

Classic FILTERS

We offer every industry standard size and grades But there is nothing 'standard' about the quality of our service

Established in 2001, Classic Filters Ltd. manufactures high-quality, bonded microfiber filter elements and filter housing for use in both gas and liquid applications.

Thanks to our highly-experienced team of engineers, we have developed some of the most efficient, low-cost filters, producing unparalleled flow rates and extremely low pressure drops.

Whether you need a filter element that's interchangeable with other manufacturers' filter housings, or whether you need a completely tailored, custom-built solution. We can deliver.

What's more, we can deliver quickly.

We appreciate the disruption and inconvenience that replacing a filter can cause, which is why we manufacture and deliver our products in super-quick time, to help minimise the impact that this has on your business.

We also offer local service and support to ensure that you get the best possible performance from your filtration system.

Why Choose Classic Filters?

- Low-cost, high-quality filtration solutions
- Extensive, customer-driven product range
- Super-quick logistics and delivery
- Customer service excellence
- Unparalleled support



Take a look at our comprehensive product range to see if we have what you need to solve your filtration problems. If not, get in touch and we will make it for you, according to your particular specifications and requirements.

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Stainless Steel Filter Housings: SP76 Modular Sample System Housings

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/057	SH017 Series	316L SS	SP76 Modular	350	10.32
CF/2.0/058	SH027 Series	316L SS	SP76 Modular	350	10.57
CF/2.0/059	SM015 Series - PTFE Membrane	316L SS	SP76 Modular	100	MT.19

Stainless Steel Filter Housings: 1/8" to 1/2" Line Sizes

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/060	SG111 & SS112 Series	316L SS & Pyrex	1/8" & 1/4"	7 & 10	12.32
CF/2.0/061	SS117 Series	316L SS	1/8" & 1/4"	350	12.32
CF/2.0/062	SV117 Series - Inverted Type	316L SS	1/8" & 1/4"	350	12.32
CF/2.0/063	SS119 Series	316L SS	1/8" & 1/4"	700	12.32
CF/2.0/064	SG121 & SS122 Series	316L SS & Pyrex	1/8" & 1/4"	7 & 10	12.57
CF/2.0/065	SS127 Series	316L SS	1/8" & 1/4"	350	12.57
CF/2.0/066	SV127 Series - Inverted Type	316L SS	1/8" & 1/4"	350	12.57
CF/2.0/067	SS129 Series	316L SS	1/8" & 1/4"	700	12.57
CF/2.0/068	SG211 & SS212 Series	316L SS & Pyrex	1/4" & 1/2"	100	25.64
CF/2.0/069	SS215 Series	316L SS	1/4" & 1/2"	100	25.64
CF/2.0/070	SiS215 Series with DPI	316L SS	1/4" & 1/2"	100	25.64
CF/2.0/071	SV215 Series - Inverted Type	316L SS	1/4" & 1/2"	100	25.64
CF/2.0/072	SS216 Series	316L SS	1/4" & 1/2"	200	25.64
CF/2.0/073	SiS216 Series with DPI	316L SS	1/4" & 1/2"	200	25.64
CF/2.0/074	SS218 Series	316L SS	1/4" & 1/2"	400	25.64
CF/2.0/075	SiS218 Series with DPI	316L SS	1/4" & 1/2"	400	25.64
CF/2.0/076	SS219 Series	316L SS	1/4" & 1/2"	700	25.64
CF/2.0/077	SiS219 Series with DPI	316L SS	1/4" & 1/2"	700	25.64

Stainless Steel Filter Housings: 1/8" to 1/2" Line Sizes

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/078	SG231 & SS232 Series	316L SS & Pyrex	1/4" & 1/2"	7 & 10	25.178
CF/2.0/079	SS225 Series	316L SS	1/4" & 1/2"	100	25.178
CF/2.0/080	SiS235 Series with DPI	316L SS	1/4" & 1/2"	100	25.178
CF/2.0/081	SV235 Series - Inverted Type	316L SS	1/4" & 1/2"	100	25.178
CF/2.0/082	SS236 Series	316L SS	1/4" & 1/2"	200	25.178
CF/2.0/083	SiS236 Series with DPI	316L SS	1/4" & 1/2"	200	25.178
CF/2.0/084	SS238 Series	316L SS	1/4" & 1/2"	400	25.178
CF/2.0/085	SiS238 Series with DPI	316L SS	1/4" & 1/2"	400	25.178
CF/2.0/086	SS239 Series	316L SS	1/4" & 1/2"	700	25.178
CF/2.0/087	SiS239 Series with DPI	316L SS	1/4" & 1/2"	700	25.178

Stainless Steel Filter Housings: 3/4" to 1" Line Sizes

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/088	SS325 Series	316L SS	3/4" & 1"	100	38.152
CF/2.0/089	SiS325 Series with DPI	316L SS	3/4" & 1"	100	38.152
CF/2.0/090	SS326 Series	316L SS	3/4" & 1"	200	38.152
CF/2.0/091	SiS326 Series with DPI	316L SS	3/4" & 1"	200	38.152
CF/2.0/092	SS328 Series	316L SS	3/4" & 1"	400	38.152
CF/2.0/093	SiS328 Series with DPI	316L SS	3/4" & 1"	400	38.152

Stainless Steel Filter Housings: 3/4" to 2" Line Sizes

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/094	SG421	316L SS & Pyrex	3/4" & 1"	7	51.230
CF/2.0/095	SS424 Series	316L SS	3/4" & 1"	34	51.230
CF/2.0/096	SS425 & SHS425 Series	316L SS	1" to 2"	100	51.230
CF/2.0/097	SS426 & SHS426 Series	316L SS	1" to 2"	200	51.230
CF/2.0/098	SS428 & SHS428 Series	316L SS	1" to 2"	400	51.230
CF/2.0/099	SS434 Series	316L SS	3/4" & 1"	34	51.476
CF/2.0/100	SS435 & SHS435 Series	316L SS	1" to 2"	100	51.476
CF/2.0/101	SS436 & SHS436 Series	316L SS	1" to 2"	200	51.476
CF/2.0/102	SS438 & SHS438 Series	316L SS	1" to 2"	400	51.476

Stainless Steel Heatable Filter Housings

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/110	HST Series	316L SS	1/8" & 1/4"	7	12.32 to 25.178
CF/2.0/111	HRT Series	316L SS	1/4"	7	25.64 & 25.178
CF/2.0/112	HSS Series	316L SS	1/4"	7	25.64 & 25.178
CF/2.0/113	HRS Series	316L SS	1/4"	7	25.64 & 25.178

Stainless Steel Fast Loop, In-Line & End-of-Line Filter Housings

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/115	SF Series - Fast Loop (Bypass) Type	316L SS & Pyrex	1/4" & 1/2"	100 & 350	12.32 to 25.178
CF/2.0/116	SL Series - In-Line Type	316L SS	1/4" & 1/2"	100 & 350	12.32 to 25.178
CF/2.0/117	SE Series - End-of-Line Type	316L SS	1/4" & 1/2"	-	12.32 to 25.64
CF/2.0/118	SO Series - End-of-Line Type	316L SS	1/4" & 1/2"	-	12.32 to 25.178

Stainless Steel Automatic Drains

	Housing Type	Material	Port Size	Pressure (Bar)
CF/2.0/120	DN103 Series	316L SS & PA	1/8" & 1/4"	16
CF/2.0/121	DF105 Series	316L SS	1/8" to 1/2"	100

Stainless Steel Drain Vessels

	Housing Type	Material	Port Size	Pressure (Bar)
CF/2.0/130	DG111 & DS112 Series	316L SS & Pyrex	1/8" & 1/4"	7 & 10
CF/2.0/131	DG121 & DS122 Series	316L SS & Pyrex	1/8" & 1/4"	7 & 10
CF/2.0/132	DG211 & DS212 Series	316L SS & Pyrex	1/8" & 1/4"	7 & 10
CF/2.0/133	DS215 Series	316L SS	1/4" & 1/2"	100
CF/2.0/134	DG231 & DS232 Series	316L SS & Pyrex	1/8" & 1/4"	7 & 10
CF/2.0/135	DS235 Series	316L SS	1/4" & 1/2"	100

Stainless Steel PTFE-Membrane Housings: 1/8" to 1/2" Line Sizes

	Housing Type	Material	Port Size	Pressure (Bar)	Membrane Size
CF/2.0/150	SM015 Series	316L SS	1/16" & 1/8"	100	MT.19
CF/2.0/151	SM106 Series	316L SS	1/8" & 1/4"	200	MT.33
CF/2.0/152	STM105 Series	316L SS	1/8" & 1/4"	100	2x MT.47
CF/2.0/153	SM202 Series	316L SS	1/4" & 1/2"	10	MT61
CF/2.0/154	SM206 Series	316L SS	1/4" & 1/2"	200	MT61
CF/2.0/155	SMD206 Series	316L SS	1/4" & 1/2"	200	MT61
CF/2.0/156	SML206 Series	316L SS	1/4" & 1/2"	200	MT.61
CF/2.0/157	SW205 Series	316L SS	1/4" & 1/2"	100	FD.64
CF/2.0/158	SM304 Series	316L SS	1/8" & 1/4"	34	MT.89
CF/2.0/160	SML304 Series	316L SS	1/4" & 1/2"	34	MT.89
CF/2.0/161	STML304 Series	316L SS	1/4" & 1/2"	34	2x MT.89
CF/2.0/163	SM115 Series - Combination Housing	316L SS	1/8" & 1/4"	100	12.32 & MT.33
CF/2.0/164	SM125 Series - Combination Housing	316L SS	1/8" & 1/4"	100	12.57 & MT.33
CF/2.0/165	SM215 Series - Combination Housing	316L SS	1/4" & 1/2"	100	25.64 & MT.61
CF/2.0/166	SM235 Series - Combination Housing	316L SS	1/4" & 1/2"	100	25.178 & MT.61

Aluminium Filter Housings: 1/8" to 1/2" Line Sizes

	Housing Type	Material	Port Size	Pressure (Bar)	Membrane Size
CF/2.0/200	AN112 Series	AL & PA	1/8" & 1/4"	10	12.32
CF/2.0/201	AA113 Series	AL & PA	1/8" & 1/4"	16	12.32
CF/2.0/202	AN122 Series	AL & PA	1/8" & 1/4"	10	12.57
CF/2.0/203	AA123 Series	AL & PA	1/8" & 1/4"	16	12.57
CF/2.0/204	AN212 Series	AL & PA	1/4" & 1/2"	10	25.64
CF/2.0/205	AiN212 Series	AL & PA	1/4" & 1/2"	10	25.64
CF/2.0/206	AA213 Series	AL & PA	1/4" & 1/2"	16	25.64
CF/2.0/207	AiA213 Series	AL & PA	1/4" & 1/2"	16	25.64
CF/2.0/208	AA214 Series	AL & PA	1/8" & 1/4"	34	25.64
CF/2.0/209	AN232 Series	AL & PA	1/4" & 1/2"	10	25.178
CF/2.0/210	AiN232 Series	AL & PA	1/8" & 1/4"	10	25.178
CF/2.0/211	AA233 Series	AL & PA	1/4" & 1/2"	16	25.178
CF/2.0/212	AiA233 Series	AL & PA	1/4" & 1/2"	16	25.178

Aluminium End-of-Line Filter Housings

	Housing Type	Material	Port Size	Element Size
CF/2.0/220	AE Series	AL	1/8" to 1/2"	12.32 to 25.64
CF/2.0/221	AO Series	AL	1/8" to 1/2"	12.32 to 25.178

PTFE Filter Housings

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/300	FF111 Series	PTFE	1/8" & 1/4"	7	12.32
CF/2.0/301	FF121 Series	PTFE	1/8" & 1/4"	7	12.57
CF/2.0/302	FG121 Series	PTFE & Pyrex	1/8" & 1/4"	7	12.57
CF/2.0/303	FF211 Series	PTFE	1/4" & 1/2"	7	25.64
CF/2.0/304	FG211 Series	PTFE & Pyrex	1/4" & 1/2"	7	25.64
CF/2.0/305	FF231 Series	Pyrex	1/4" & 1/2"	7	25.178

Polyamide (Nylon) Filter Housings

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/310	NN112 Series	PA	1/8" & 1/4"	10	12.32
CF/2.0/311	NN122 Series	PA	1/8" & 1/4"	10	12.57
CF/2.0/312	NL121 Series	PA	1/8" & 1/4"	7	12.57
CF/2.0/313	NL141 Series	PA	1/8" & 1/4"	7	12.32 & 12.35
CF/2.0/314	NT Series	PA	1/8" & 1/4"	7	12.32 & 12.57
CF/2.0/315	NNS Series	PA	1/8" & 1/4"	7	25.30 & 25.35
CF/2.0/316	NN212 Series	PA	1/4" & 1/2"	10	25.64
CF/2.0/317	NN232 Series	PA	1/4" & 1/2"	10	25.178

Polypropylene Filter Housings

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/320	PP111 Series	PP	1/8" & 1/4"	7	12.32
CF/2.0/321	PP121 Series	PP	1/8" & 1/4"	7	12.57
CF/2.0/322	PP211 Series	PP	1/4" & 1/2"	7	25.64
CF/2.0/323	PP231 Series	PP	1/4" & 1/2"	7	25.178

PVDF Filter Housings

	Housing Type	Material	Port Size	Pressure (Bar)	Element Size
CF/2.0/330	KK121 Series	PVDF	1/8" & 1/4"	7	12.57
CF/2.0/331	KK211 Series	PVDF	1/4" & 1/2"	7	25.64
CF/2.0/332	KK231 Series	PVDF	1/4" & 1/2"	7	25.178

Why Classic Filters?

Our high-quality filter housings and elements enable the effective and efficient removal of contaminants from both gas and liquid applications. From coalescing to particulate filtration, we ensure that, for whatever purpose our filters are used, they perform to unrivalled standards.

Filter Element Selection



A huge range of filter element types and grades give increased flexibility,

Our filter housings and elements are available in a wide variety of materials, delivering you a robust, tailor-built filtration solution to suit your particular requirements. Materials include:

- 316L Stainless Steel
- Aluminium
- PTFE
- Nylon
- Polypropylene
- PVDF
- Hastelloy
- Monel
- Titanium
- Brass
- Duplex
- Inconel

Special or Custom Products

Need an unconventional or bespoke filter element and housing?

No problem.

Our skilled designers and engineers will work alongside you to build a custom-made solution that suits your particular filtration requirements and specifications. Get in touch today for a no obligation consultation on how we can meet your needs.

Special Materials With a plethora of materials, from the most exotic metals through to standard aluminium and ordinary nylon, we can design and manufacture the most suitable filter housings and elements to suit you and your company's needs. We specialise in exotic materials such as, Hastelloy, Monel, and Titanium.

Special Ports Threaded ports and flange connections can be manufactured to specification, ensuring you receive a filter that fits seamlessly with your existing instruments and machinery.

Head to bowl seal features an o-ring in a separate groove



Filter housing feature a separate element retainer and tie rod that allows self-sealing filter media to be used



Filter housing available with and without a drain port. Some housings also available with a manual drain



Particulate & Coalescing Filtration

Types of Filtration

Our high-quality filter housings and elements enable the effective and efficient removal of contaminants from both gas and liquid applications. From coalescing to particulate filtration, we ensure that, for whatever purpose our filters are used, they perform to unrivalled standards.

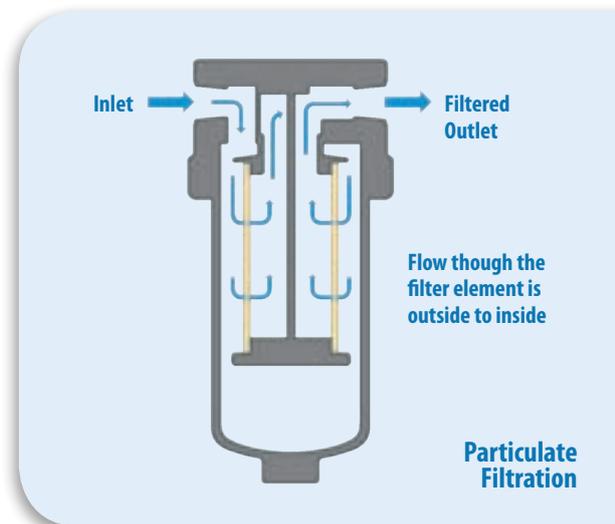
Particulate Filtration

If particulate filtration is what you need, we offer a huge selection of robust, effective solutions to meet - and in some cases exceed - your requirements.

The service life of our high-efficiency filter elements are maximised thanks to superior design and engineering, so you can be sure of the most cost-effective, durable solution to your filtration needs.

Essentially, particulates are removed from gas and liquids using a two-port filter housing and particulate-type filter element specifically designed for this purpose.

Support cores should be used with a disposable filter element in liquid filtration applications.



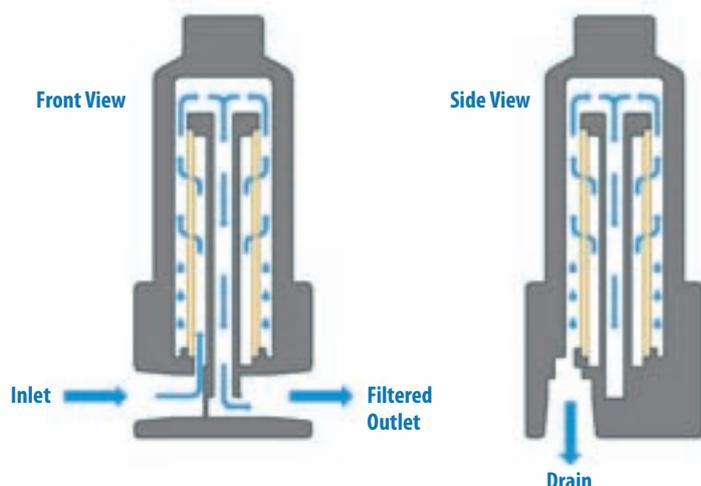
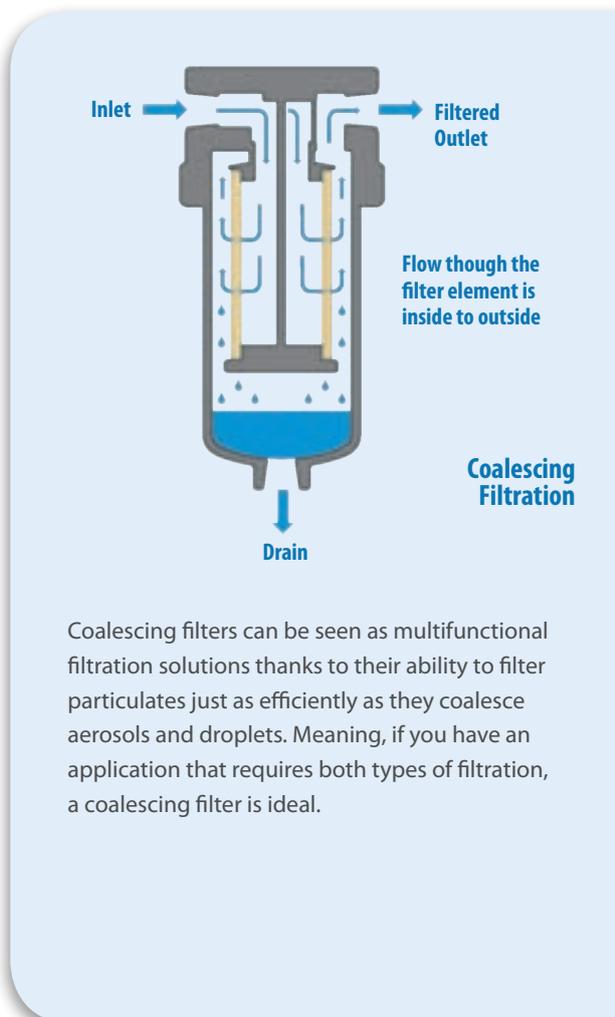
Coalescing Filtration

Processes and systems that require the separation of liquid aerosols and droplets from gas need a coalescing filter.

This type of filter element essentially comprises of two parts, an inner and an outer layer. The inner layer consists of a high-efficiency coalescing stage whilst the outer layer is a courser stage used for drainage.

Any liquid aerosols or droplets are caught within the fine fibres of the inner layer, eventually accumulating to the extent that they are forced to the outer layer of the filter element and in to the 'bowl' of the housing.

Our SV series coalescing housings offer a super-efficient filtration solution with the benefit of an inverted position of the housing ensuring easy servicing without disconnecting the drain port fittings.



As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

Fast Loop & Bypass Applications

These filters are ideally suited to heavily contaminated applications since the element is thoroughly and continuously flushed by the high flow-rate stream through the housing.

Again, the cost-effectiveness and service-life of your filter element are our main concern, ensuring only the low-flow stream to the analyser is being filtered.

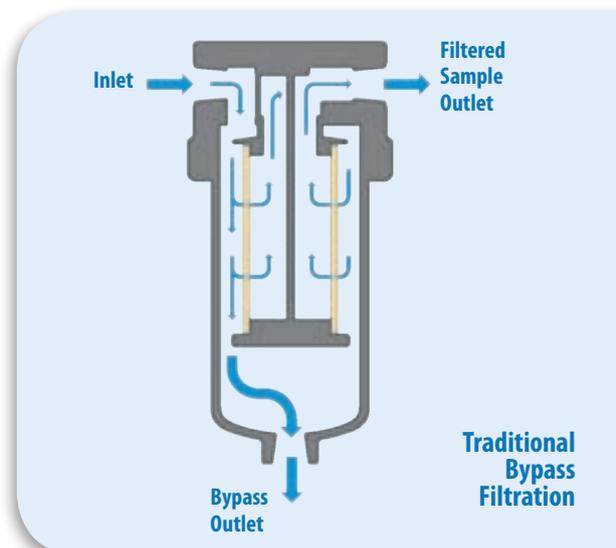
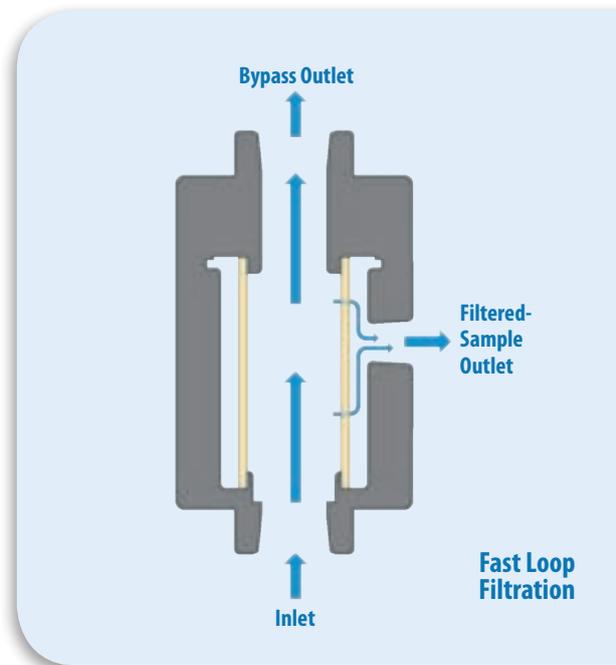
Traditional Bypass Filtration

Our fast-loop filtration solutions go against the grain of the traditional three-port T-shape filter design, bringing with it the advantages of continued flushing on the filter element to remove heavy contaminants downstream. A reduced housing volume improves the response time.



If you still want to use the traditional style of housing in your system - no problem, our T-shaped housings can still be used.

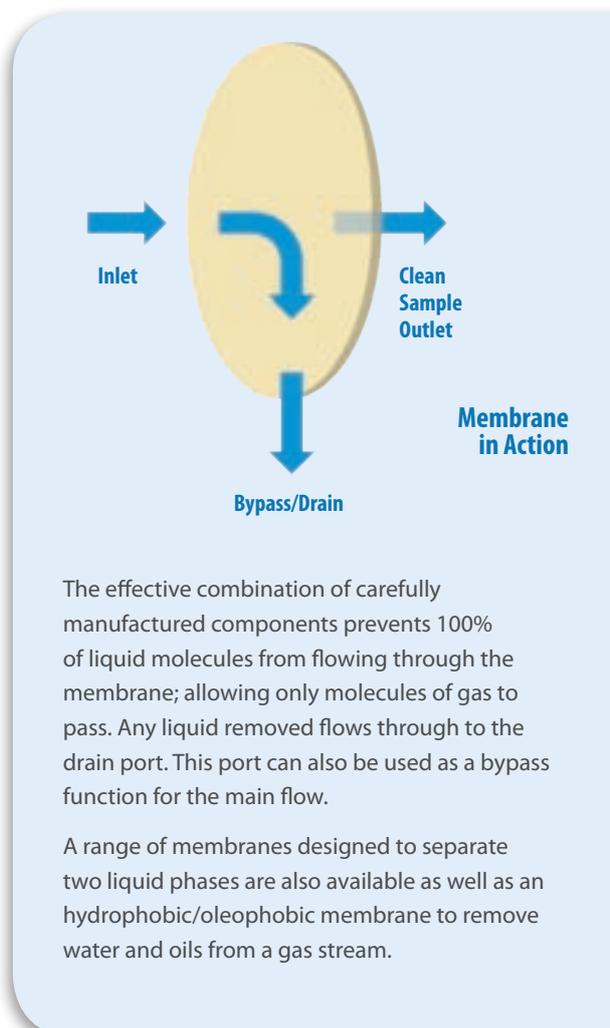
As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.



PTFE Membrane Applications

One of our most innovative filtration solutions available, PTFE membranes are perfectly suited for separating liquid from gas molecules, allowing for a pure gas sample to be produced for the protection of analysers and other instruments. We can also separate two liquid phases if required.

A porous PTFE membrane is supported by a sintered, porous stainless steel disc on the outlet side.



The effective combination of carefully manufactured components prevents 100% of liquid molecules from flowing through the membrane; allowing only molecules of gas to pass. Any liquid removed flows through to the drain port. This port can also be used as a bypass function for the main flow.

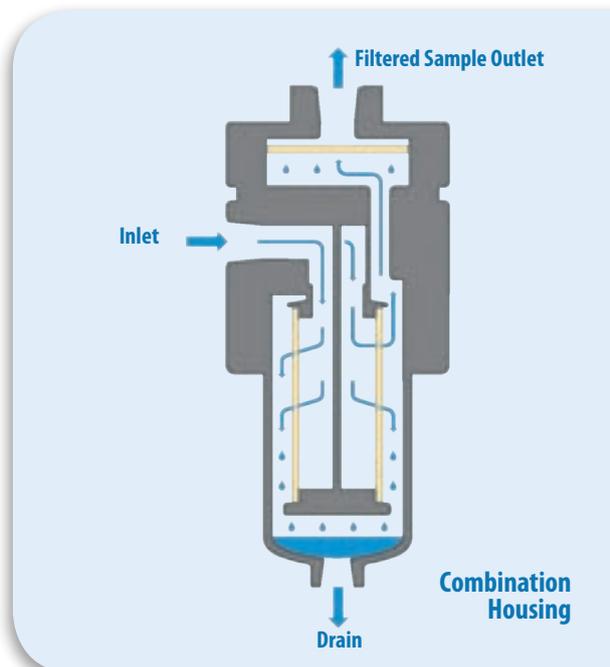
A range of membranes designed to separate two liquid phases are also available as well as an hydrophobic/oleophobic membrane to remove water and oils from a gas stream.

Combination Housing with Filter Element and Membrane

When used in conjunction with a filter element, the service-life of the PTFE membrane can be extended significantly, allowing the filter element to remove the bulk of the liquid before it reaches the membrane.

Just ask us about 'combination filters' when you get in touch.

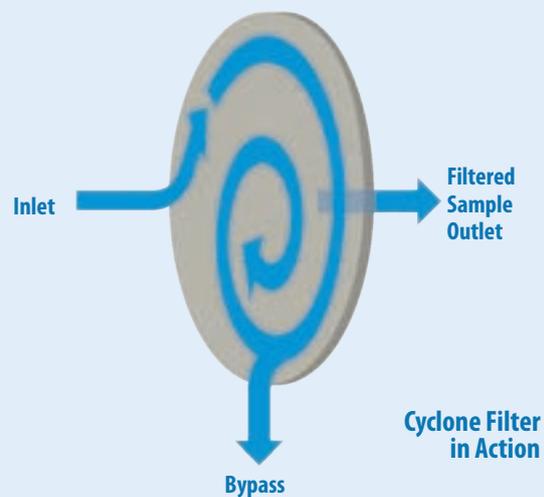
As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.



Cyclone Bypass Applications

Our cyclone filter applications are one of the most innovative, low-maintenance solutions for gas and liquid filtration.

The contaminated sample initially enters an angled inlet port, creating a cyclone effect in which the contaminants are filtered via a filter disc. Any particulates are blocked by the filter disc and carried to the bypass port at the bottom of the housing. The clean sample is allowed to pass through the sintered stainless steel filter disc to the sample outlet port.



Due to this cyclone effect, the filter disc is kept clean for a long period of time, extending the period required between service intervals when compared to standard filters.

Even when a service is due, the procedure is incredibly quick thanks to the 'threaded cap' design of the housing, allowing for easy access to, and replacement of, the filter disc.

Stainless Steel Filter Discs

Our stainless steel filter discs are ultra-durable solutions to particulate filtration, especially in liquid applications. Several layers of 316 mesh are sintered together to form an integrated porous filter, with coarse mesh providing support and protection to the finer, central mesh.

Filter discs are stocked in grades, 2, 5, 10, 20, 40, 100, and 200 micron.

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.



Catchpot & Bubbler Applications

Catchpots

This clever accessory is ideal for highly contaminated applications, allowing you to overcome the common problem of flooding within your coalescing filter elements if large slugs of liquid are present.

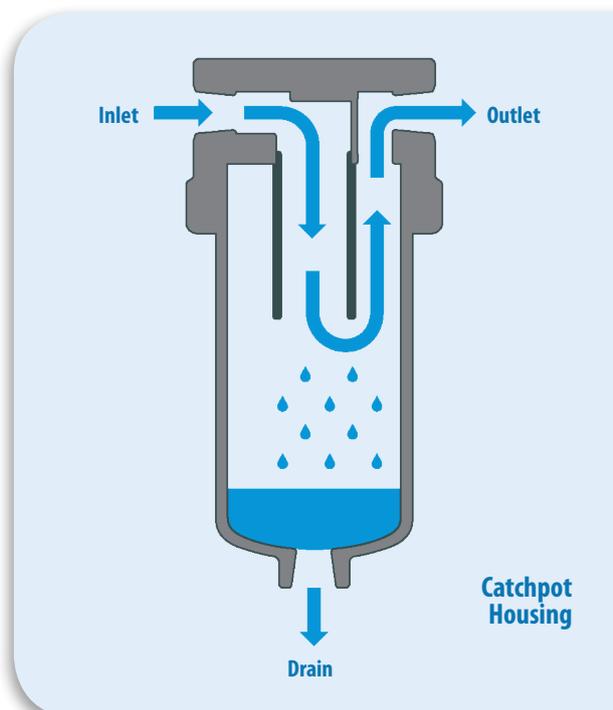
Catch pots essentially 'catch' the bulk of the liquid contaminant before it reaches the filter, hence the name 'catchpot'.

We can modify any of our existing selection of filter housing to accommodate a catchpot tube, or we can build a completely unique catchpot from scratch.

Whatever your requirements, we can deliver.

Ordering information

To order a catch pot on one of our existing housing designs, simply add the suffix .CP to the housing designation; so for example SS127.221.CP or AA213.461.CP



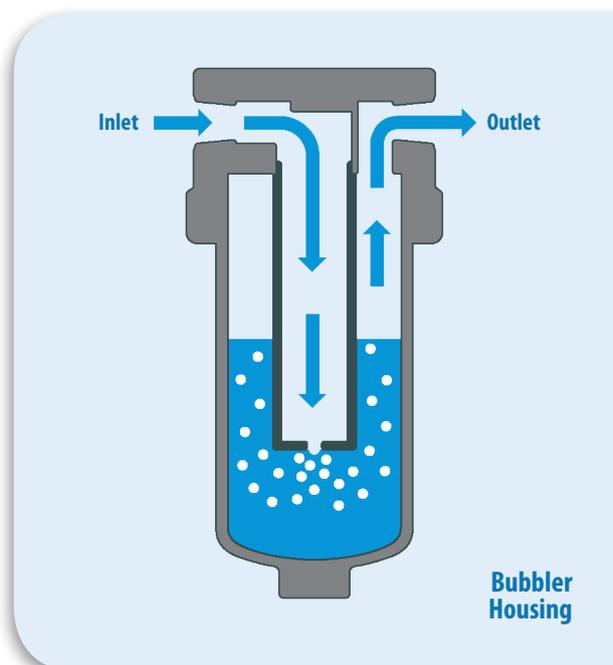
Bubblers

Bubblers are another accessory that we offer on our existing housing range and also within custom-built filtration solutions.

These appropriately named, innovative pieces of equipment allow gas to pass through liquid. A typical example would be to maintain a relative humidity in a sample through added liquid in vapour form.

Ordering information

To order a bubbler on one of our existing housing designs, simply add the suffix .BB to the housing designation; so for example SS127.201.BB or AA213.461.BB



As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

Low or negative pressure gas sample systems can be problematic when it comes to removing the coalesced liquids from the 'bowl' of the housing. Dismantlement of a filter housing, in this situation, would lead to a temporary lack of pressure in the system.

That's why we offer a purpose-built drain vessel installation to suit most of our existing range of filter housings.

These carefully designed vessels allow for the isolation of liquid contaminants, whilst avoiding any negative impact on system.

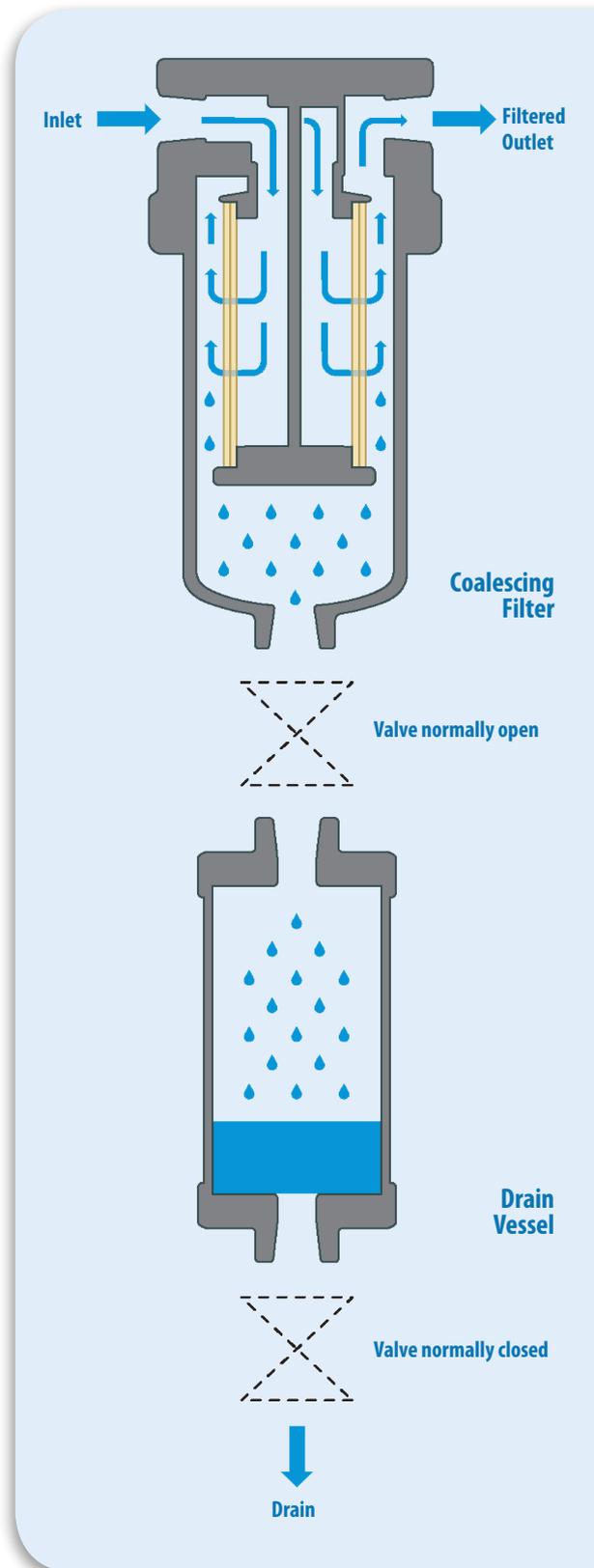
Drain vessels can also be used in other applications in order to expand the volume of waste liquid that filter housings can hold, thus extending the requisite time between service intervals.



Facing the same problem with a high-pressure application?

We can manufacture drain vessels for this purpose too; get in touch for a no-obligation chat.

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.



Automatic Float Drains

To remove liquids automatically from a system with a positive pressure we have two solutions -

The DF105 series automatic float drain uses a unique diaphragm operated valve and is constructed entirely from 316L stainless steel for use in corrosive applications.

Water drains from the coalescing housing into the drain body and as the water level increases a float controls the diaphragm operation of the valve. Once the water is drained the float returns to the rest position and the valve closes.



DN103 and DF105 Automatic Float Drains



For lower pressure non-corrosive applications the DN103 series automatic float drain uses a self-contained plastic float mechanism to remove water in a similar way to the DF105 series.

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

SBF Flanged Housings

The SBF flanged housings are designed to be weld-free. The heads are machined from solid stainless steel bar.

By removing the welding process the costly additional documentation, approvals and testing for CE marking are eliminated.

Various flange types and pressure rating are offered as standard. Sizes from 1/2" up to 2" can be produced.



SBF Series Housing



Several flange types and sizes are available as standard designs and are based on our SS series housings

Special Designs

Need an unconventional or bespoke housing?

No problem.

Our skilled designers and engineers will work alongside you to build a custom-made solution that suits your needs.

Just let us know what you need.

Flange Types Available Include -

- ASME/ANSI B16.5 - 1996 - Pipe Flanges and Flanged Fittings
- British Standard BS 4504 - Section 3.1:1989 - Circular Flanges for Pipes, Valves and Fittings
- SAE J 518 C - SAE Flanges Standard

Heatable Housings

These housings are specifically engineered for hot gas analysis, in particular, diesel exhaust – this gas has an especially high dew-point, so to prevent condensation during analysis the sample must be heated.

In essence then, these housings offer the same level of quality as all our stainless steel housing, but with the added benefits of a housing designed for a specific application.

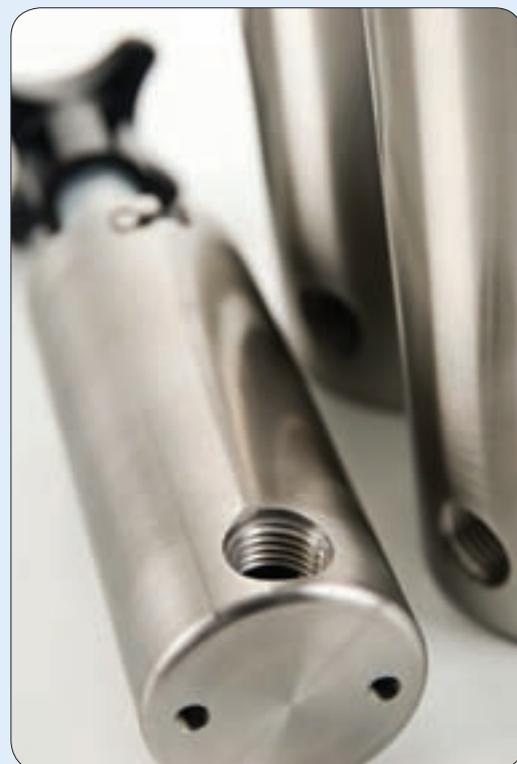
Filter elements used heatable housings can be replaced quickly and easily (even at operating temperatures) thanks to a quick-release bayonet connection, thus minimising disruption to your analysis and operations.

Optional configurations of the ports and internals include a support core or a tie rod and element retainer.

Disposable, S-type filter elements are perfect for heated applications when used in tandem with Heatable Housings

As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

Heatable housings available
in a wide range of sizes



Several port and internal options are available and housings have threaded mounting bracket holes as standard



Quick-release bayonet connection for the head to bowl

Float Valve Housing

Float valve housings are an essential filtration tool when gas is being drawn to an analyser or other instrument, preventing the carry-over of bulk liquids. Normally these are used after coalescing filter housing as a safety device.



Ordering information

Two sizes of housing can be supplied: The small NN122 or the larger capacity NN212.

To order this type of housing, simply add the suffix .F to the housing part number; so for example NN122.161.F or NN212.261.F

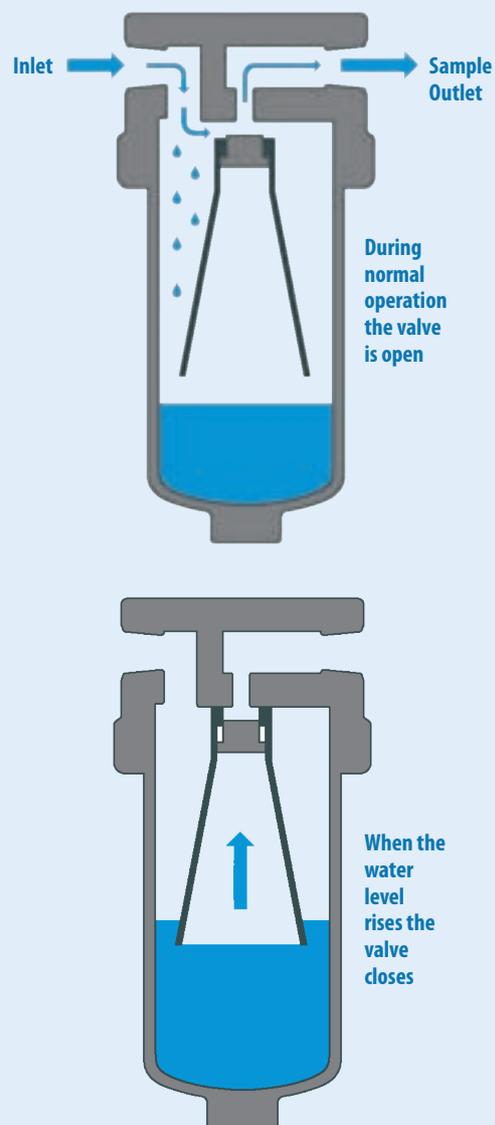
As well as our standard stocked housings we offer a service to create custom housings to suit your application. Just let us know what you need.

How they work:

As liquid is collected in the bowl the level starts to rise, gas becomes trapped in the open-end of the float and it too starts to rise.

The entire float assembly then begins to move upwards and eventually closes the valve and shuts off the flow to the analyser. This loss of flow is then detected and an alarm is sounded.

Without the float valve the flow remains open to the analyser, substantial damage could be caused through the transmission of liquid into the analyser. Float valve housings can therefore protect you from costly repairs.



Differential Pressure Indicators

These housings are specifically engineered to offer an indication of the differential pressure across the filter element. They offer a cost effective method of monitoring the service life and prevent costly failures due to lack of maintenance.

The SiS series housings feature a visual indication. A plunger sealed by an o-ring separates an area of the head into two chambers. A spring causes the plunger to take up its home position when the pressure difference is zero.

As the pressure difference increases the plunger is forced to move against the spring. At the same time, an indicator disc is moved magnetically. The indicator will show yellow when the differential pressure is 0.25 bar and red when it reaches 0.5 Bar.

The SeS series housings use the same mechanical system as the SiS, except the two reed contact switches are actuated.

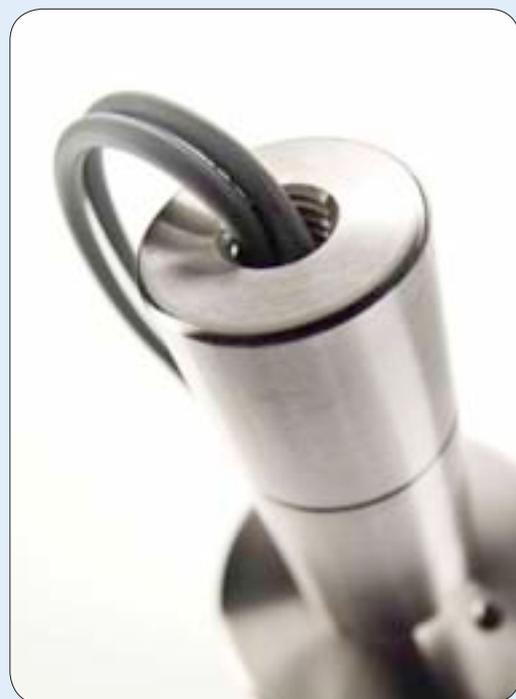
As well as our standard housings we offer a service to create custom housings to suit your application.

Just let us know what you need.

Most stainless steel housings can be supplied with a differential pressure indicator



The SiS series housings feature a visual indicator



The SeS series housings offer electrical control

Sealing Options

Filter housings are mostly fitted with Viton o-ring style seals as standard. We have a number of sealing options that can be specified and the housings delivered with the seals installed.

For alternative seals a suffix is added to the filter housing part number, for example if you require a SS127.221 filter housing with an EPDM seal add .E to give SS127.221.E - if a standard seal is required do not add the suffix

Refer to the filter housing data sheets for information about the seals types available for each housing.

Please consult us for any special requirements.



Types of Seals

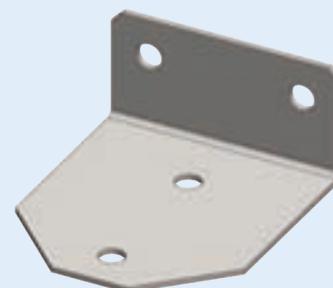
Suffix	Name	Type	Temp. Range
.V	Viton	Flourocarbon	- 15°C to +200 °C
.C	Chemraz	Perfluorelastomer	- 18°C to +324°C
.T	PTFE	FEP Encapsulated	- 60°C to +200 °C
.K	Kalrez	Perfluorelastomer	- 50°C to +316°C
.S	Silicone	Silicone	- 60°C to +230°C
.R	Neoprene	Chloroprene-Neoprene	- 45°C to +100°C
.E	EPDM	Ethylene-propylene	- 55°C to +150°C
.N	Nitrile	Buna N-Nitrile	- 35°C to +110°C

Mounting Brackets

Mounting brackets can be supplied for all filter housings making the installation process quicker and easier. All our mounting brackets are supplied with screws and washers to join them to the housing so only fixings for the panel or wall are required.

Use of a mounting bracket will avoid excessive loads on the fittings and piping.

All mounting brackets are constructed in stainless steel giving superior corrosion resistance in wet areas.



Support Cores

When using disposable filter elements in a liquid application a support core should be used to increase the strength of the filter elements.

Plastic and aluminium housings have a built in support, but stainless steel housings will need to use the optional extra support.

The SC series support cores are constructed from 316L stainless steel.



Selecting the Correct Filter Housing

How to select the Correct Filter Housing -

The wide range of filter housing and element combinations enable us to supply the most suitable equipment for your application and specifications.

To select the correct filter housing and element the following information about the application is required -

1	Maximum pressure
2	Maximum temperature
3	Chemical & physical composition of the sample
4	Type of duty - inlet, particulate, coalescing, bypass, membrane
5	Contaminant to be removed
6	Maximum flow rate
7	Line size and port type
8	Level of filtration required
9	Relative importance of cost, response time, service life and interval

Items 1, 2 and 3 will determine the materials of construction of the filter housing, including the element and gaskets. Filter housings are available in a wide variety of materials to ensure there is a product for even the most specialised applications. As well as our range of standard materials a wide range of exotic materials are also available.

Item 4 will determine the configuration of the housing, one port for inlet filters, two ports for in-line housings and three ports for coalescing, bypass or fast loop housings.

Items 5, 6, 7, 8 and 9 will establish the most appropriate size of filter. This is generally a compromise between those factors favouring a small filter (fast response time, smallest space requirement, lowest cost, minimised adsorption losses) and those factors favouring a large filter (long service intervals, low pressure drop). The exact choice will therefore depend on the relative importance of these factors in each particular application.



Additional Assistance

Our representatives have a vast experience of specifying successful installations and we will be pleased to help you select the best solution for your filtration problem.

We also have an Applications Form available for you to complete and return and this will ensure we have all the information required to make a selection for your individual application.

Service Intervals

A disposable microfibre filter element continues to filter at its original efficiency as long as it is kept in service. The life of the element is determined by the increase in flow resistance caused by trapped solids. The element should be changed when the flow falls below an acceptable level, or the pressure drop becomes too high. In any case the element should be replaced before the pressure drop across it reaches 0.7 Bar. The disposable microfibre filter elements cannot be cleaned as the solids are trapped within the depth of the element not on the surface.

Installing the Filter Housing

Given that filter housing is a pressure vessel, any connections and accessory outlets must be leak-tight.

Therefore, a good pipe sealant (PTFE tape, paste etc.) should be used on all fittings prior to connecting the filter housing ports. This will also allow for disassembly at a later time, if required.

Wherever possible, installation of filter housings should be made using an appropriate mounting bracket to avoid excessive loads on the piping.

Full installation instructions are included with each filter housing.

Disposable bonded microfibre filter elements are manufactured from precise mixtures of borosilicate glass microfibres to the very highest standards of quality control. These elements offer exceptional filtration efficiency at very low pressure drops and being +90% void volume they give a very long service life.

The elements are bonded to impart high strength and eliminate fibre shedding and the choice between the different binders available will depend on each application. Disposable elements are self-gasketing and sealed into a filter housing by axial compression.

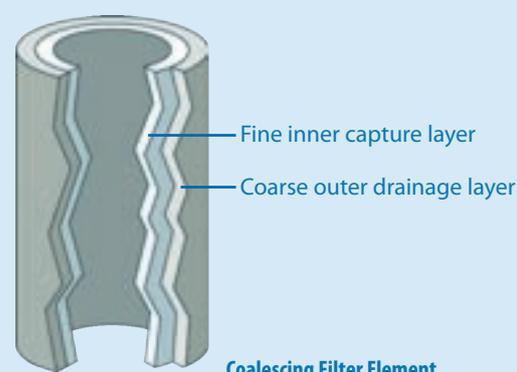
Coalescing or Particulate Applications

There are two types of filter element available, particulate and coalescing. The particulate filter elements use a single layer of filter media whereas coalescing elements have a fine capture layer and a coarse drainage layer.

The coarsest grade that will adequately protect the application should be chosen as this will result in the most economical solution to the contamination problem by extending the service life. Disposable bonded microfibre filter elements are suitable for both gas and liquid applications.



Glass Microfibres



Binder Types

Particulate Applications

E	Epoxy ester binder suitable for all general purpose particulate removal applications in non-corrosive gases and liquids
K	PVDF binder has an excellent chemical resistance for use with corrosive gases and liquids. Very low levels of adsorption.
S	Silica binder giving a completely inorganic filter element. For high temperatures and solvent applications.
L	Silicone binder is hydrophobic and prevents the pores being filled with condensate. The maximum temperature is 200°C

Coalescing Applications

CE	Epoxy ester binder suitable for all general purpose aerosol and particulate removal applications in non-corrosive gases
CK	PVDF binder has an excellent chemical resistance for use with corrosive gases. Very low levels of adsorption
CR	PVDF binder as above with the addition of a reinforcing mesh embedded within the structure
CS	Silica binder giving a completely inorganic filter element. For high temperatures and solvent applications.
W	Silicone binder is hydrophobic and prevents the pores being filled with condensate. The maximum temperature is 200°C



Filter Elements

Disposable Grades & Dimensions

All disposable filter elements have a part number arranged in three sections, for example 25.64.7K

The first part refers to the inside diameter of the element in millimetres, the second figure refers to the overall length in millimetres and the third part is the designation for the grade and binder.

Standard Sizes

Filter Elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment.

12.32.□ 12.57.□ 25.64.□ 25.127.□ 25.178.□ 38.58.□ 38.152.□ 45.127.□ 51.230.□ 51.89.□ 51.476.□ 63.762.□

Replace the □ in the part numbers shown with the grade selected from the tables below. More information about the binder types can be found on page CF/2.0/021.

Efficiency

Each filter element type is available in a selection of grades covering a efficiency range from coarse bulk contamination removal and the essentially complete removal of submicron particles.

The standard grades are shown in the tables below.

Particulate Applications - Gas								
% Removal of 0.1 micron particles								
Binder		Max. Temp.	+99.99998%	+99.9999%	+99.99%	+99.5%	+95%	+75%
E	Epoxy Ester	150°C	3E	3K	5E	6E	7E	8E
K	PVDF Fluorocarbon	150°C	3K	4K	5K	6K	7K	8K
S	Silica Inorganic	500°C	3S	4S	5S	6S	7S	8S
L	Silicone	200°C		4L		6L		

Coalescing Applications - Gas						
% Removal of 0.1 micron particles & aerosols						
Binder		Max. Temp.	+99.99%	+99.5%	+95%	+75%
CE	Epoxy Ester	150°C	5CE	6CE	7CE	8CE
CK	PVDF Fluorocarbon	150°C	5CK	6CK	7CK	8CK
CR	PVDF Fluorocarbon	150°C	5CR	6CR	7CR	8CR
CS	Silica Inorganic	500°C	5CS	6CS	7CS	8CS
W	Silicone	200°C	5W	6W	7W	8W

Particulate Applications - Liquid								
+98% Removal of particles at stated size								
Binder		Max. Temp.	0.3 µm	1 µm	2 µm	8 µm	25 µm	75 µm
E	Epoxy Ester	150°C	3E	3K	5E	6E	7E	8E
K	PVDF Fluorocarbon	150°C	3K	4K	5K	6K	7K	8K
S	Silica Inorganic	500°C	3S	4S	5S	6S	7S	8S

Special Sizes

Special size filter elements can also be manufactured in a wide range of different diameters and lengths.

Inside Diameters - 7mm to 150mm

Lengths - 9mm to 1000mm

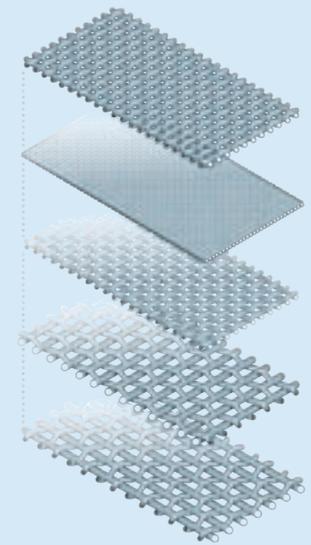
Please enquire with any specific requirements.

5-Layer Sintered Stainless Steel Elements

Stainless steel filter elements are made up of five layers of 316 mesh that are sintered together to form an integrated porous element. The middle mesh is of very fine gauge and determines the filtration rates, this layer is then overlaid with inner and outer layers of coarser mesh to give support and protection.



Sintered stainless steel filter elements are very useful in heavily contaminated applications and for use as pre-filters before disposable type final filters. Seals are required with these stainless steel filter elements and the options are, Viton, PTFE, or copper-alloy for high temperature applications.



5 Layers of SS Mesh

The middle mesh determines the filtration rate and this is overlaid with inner and outer layers of coarser mesh to give support.

5-Layer Sintered Stainless Steel Element Grades

Seals	Max. T.	1 µm	2 µm	5 µm	10 µm	20µm	40µm	100µm	200µm
Viton	200°C	S1V	S2V	S5V	S10V	S20V	S40V	S100V	S200V
PTFE	200°C	S1T	S2T	S5T	S10T	S20T	S40T	S100T	S200T
Copper	480°C	S1H	S2H	S5H	S10H	S20H	S40H	S100H	S200H

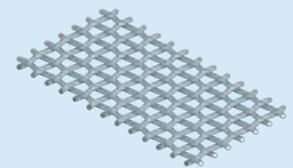
Single Layer Woven Mesh SS Elements

These stainless steel filter elements are made up of a single layer of 316 woven wire mesh. Ideal for applications where a low cost stainless steel filter alternative is required.

Due to the method of the construction these filter elements do not require any seals.

Woven Mesh Stainless Steel Element Grades

25 µm	50 µm	75 µm	100µm	150µm	200µm	250µm	300µm	350µm	400µm
SS25	SS50	SS75	SS100	SS150	SS200	SS250	SS300	SS300	SS400



Single Layer SS Mesh

Sintered Powder Stainless Steel Elements

These stainless steel filter elements are made up of sintered powdered 316 material. These can be supplied in a wide range of diameters and lengths.

Please let us know what you need.

Standard Sizes

Filter Elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment.

10.57.□ 12.32.□ 12.57.□ 25.64.□ 25.178.□ 38.58.□ 38.152.□ 45.127.□ 51.89.□ 51.230.□ 51.476.□ 63.762.□

Replace the □ in the part numbers shown with the grade selected from the tables above.

PTFE Filter Elements

PTFE filter elements are produced by sintering pure PTFE granules, no other substances are used in the construction. These filter elements are usually offered when only 100% pure PTFE can be used. Normally it is preferable to offer a K type disposable filter element, if these are suitable, as both pressure drop and service life characteristics are superior to the PTFE filters.

The advantages of PTFE is the higher maximum temperature, up to 200°C, and a better chemical resistance to certain substances. PTFE elements can be ultrasonically cleaned.

PTFE filter elements can be supplied in 2 or 20 micron.



Sintered PTFE Granules

Standard Sizes

Filter Elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment.

10.57.□ 12.32.□ 12.57.□ 25.64.□ 25.178.□ 38.58.□ 38.152.□ 45.127.□ 51.89.□ 51.230.□ 51.476.□

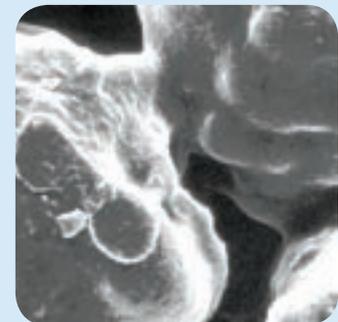
Replace the □ in the part numbers shown with the grade T2 or T20.

PE Filter Elements

These polyethylene filter elements are sintered using pure PE granules. The maximum temperature is 150°C

Ideal for applications where a low cost plastic filter element is required. Due to the method of the construction these filter elements do not require any seals.

PE elements can be supplied in a number of grades - 2, 10, 20, 40 & 100 micron.



PE Granules

Standard Sizes

Filter Elements are available in a wide range of standard diameters and lengths. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment.

10.57.□ 12.32.□ 12.57.□ 25.64.□ 25.178.□ 38.58.□ 38.152.□ 45.127.□ 51.89.□ 51.230.□ 51.476.□

Replace the □ in the part numbers shown with the grade, PE2, PE10, PE20, PE40, PE100

Special Sizes

Both the PTFE and PE elements can be supplied with special diameters and lengths.

Let us know what you need.

Air Flow Rates

Disposable Type Filter Elements

Air flow rates in Nm³/hr at stated line pressure with a 0.1 Bar pressure drop

Flow rates will depend on which filter element grade is installed in the filter housing. First check the size of the filter element installed using the housing data sheets and then use the charts below to read the flow rate at the desired pressure against the element grade. Replace the □ in the part number shown with the required grade, for example 12.57.7K would be a grade 7 on the charts below.

The maximum flow rate also depends on the flow path through the housing - for housings with a smaller port size please consult us for the exact figure.

12.32.□	Air Pressure (Bar), 1/4" Port Size										
Grade	1	2	4	7	10	16	34	100	200	350	700
4	1.6	2.6	3.7	5.3	6.3	7.9	11.8	18.4	28.9	36.8	52.5
5	3.2	5.3	7.4	10.5	12.6	15.8	23.6	36.8	57.8	73.5	105.0
6	5.5	9.2	12.9	18.4	22.1	27.6	41.3	64.3	101.1	128.6	183.8
6	6.3	10.5	14.7	21.0	25.2	31.5	47.3	73.5	115.5	147.0	210.0
8	7.1	11.8	16.5	23.6	28.4	35.4	53.2	82.7	129.9	165.4	236.3

12.57.□	Air Pressure (Bar), 1/4" Port Size										
Grade	1	2	4	7	10	16	34	100	200	350	700
4	2.6	4.3	6.0	8.5	10.2	12.8	19.1	29.8	46.8	59.5	85.0
5	5.1	8.5	11.9	17.0	20.4	25.5	38.3	59.5	93.5	119.0	170.0
6	8.9	14.9	20.8	29.8	35.7	44.6	66.9	104.1	163.6	208.3	297.5
6	10.2	17.0	23.8	34.0	40.8	51.0	76.5	119.0	187.0	238.0	340.0
8	11.5	19.1	26.8	38.3	45.9	57.4	86.1	133.9	210.4	267.8	382.5

25.64.□	Air Pressure (Bar), 1/2" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	700
4	5.6	9.3	13.0	18.5	22.2	27.8	41.6	64.8	101.8	138.8	185.0
5	11.1	18.5	25.9	37.0	44.4	55.5	83.3	129.5	203.5	277.5	370.0
6	19.4	32.4	45.3	64.8	77.7	97.1	145.7	226.6	356.1	485.6	647.5
6	22.2	37.0	51.8	74.0	88.8	111.0	166.5	259.0	407.0	555.0	740.0
8	25.0	41.6	58.3	83.3	99.9	124.9	187.3	291.4	457.9	624.4	832.5

25.178.□	Air Pressure (Bar), 3/4" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	700
4	15.8	26.3	36.8	52.5	63.0	78.8	118.1	183.8	288.8	393.8	525.0
5	31.5	52.5	73.5	105.0	126.0	157.5	236.3	367.5	577.5	787.5	1050.0
6	55.1	91.9	128.6	183.8	220.5	275.6	413.4	643.1	1010.6	1378.1	1837.5
6	63.0	105.0	147.0	210.0	252.0	315.0	472.5	735.0	1155.0	1575.0	2100.0
8	70.9	118.1	165.4	236.3	283.5	354.4	531.6	826.9	1299.4	1771.9	2362.5

38.152.□	Air Pressure (Bar), 1" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	
4	20.3	33.8	47.3	67.5	81.0	101.3	151.9	236.3	371.3	506.3	
5	40.5	67.5	94.5	135.0	162.0	202.5	303.8	472.5	742.5	1012.5	
6	70.9	118.1	165.4	236.3	283.5	354.4	531.6	826.9	1299.4	1771.9	
6	81.0	135.0	189.0	270.0	324.0	405.0	607.5	945.0	1485.0	2025.0	
8	91.1	151.9	212.6	303.8	364.5	455.6	683.4	1063.1	1670.6	2278.1	

51.230.□	Air Pressure (Bar), 2" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	
4	41.9	69.8	97.7	139.5	167.4	209.3	313.9	488.3	767.3	1046.3	
5	83.7	139.5	195.3	279.0	334.8	418.5	627.8	976.5	1534.5	2092.5	
6	146.5	244.1	341.8	488.3	585.9	732.4	1098.6	1708.9	2685.4	3661.9	
6	167.4	279.0	390.6	558.0	669.6	837.0	1255.5	1953.0	3069.0	4185.0	
8	188.3	313.9	439.4	627.8	753.3	941.6	1412.4	2197.1	3452.6	4708.1	

51.476.□	Air Pressure (Bar), 2" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	
4	86.9	144.8	202.7	289.5	347.4	434.3	651.4	1013.3	1592.3	2171.3	
5	173.7	289.5	405.3	579.0	694.8	868.5	1302.8	2026.5	3184.5	4342.5	
6	304.0	506.6	709.3	1013.3	1215.9	1519.9	2279.8	3546.4	5572.9	7599.4	
6	347.4	579.0	810.6	1158.0	1389.6	1737.0	2605.5	4053.0	6369.0	8685.0	
8	390.8	651.4	911.9	1302.8	1563.3	1954.1	2931.2	4559.6	7165.1	9770.6	

Notes (1) The above flow rates are for air at 20°C. Flow rates for other gases can be derived from relative viscosity data.

(2) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.

Air Flow Rates

Stainless Steel Filter Elements

Air flow rates in Nm³/hr at stated line pressure with a 0.1 Bar pressure drop

Flow rates will depend on which filter element grade is installed in the filter housing. First check the size of the filter element installed using the housing data sheets and then use the charts below to read the flow rate at the desired pressure against the element grade. Replace the □ in the part number shown with the required grade, for example 12.57.S2V would be a grade S2 on the charts below.

The maximum flow rate also depends on the flow path through the housing - for housings with a smaller port size please consult us for the exact figure.

12.32.□	Air Pressure (Bar), 1/4" Port Size										
Grade	1	2	4	7	10	16	34	100	200	350	700
S1	0.5	0.8	1.1	1.5	1.8	2.3	3.4	5.3	8.3	10.5	15.0
S2	0.9	1.5	2.1	3.0	3.6	4.5	6.8	10.5	16.5	21.0	30.0
S10	2.1	3.5	4.9	7.0	8.4	10.5	15.8	24.5	38.5	49.0	70.0
S20	2.6	4.3	6.0	8.5	10.2	12.8	19.1	29.8	46.8	59.5	85.0
S40	2.8	4.7	6.5	9.4	13.2	14.0	21.0	32.7	51.4	77.0	110.0
S100	4.3	7.2	10.1	14.5	20.4	21.7	32.5	50.6	79.5	119.0	170.0
S200	5.7	9.6	13.4	19.1	27.0	28.7	43.0	66.9	105.2	157.5	225.0

12.57.□	Air Pressure (Bar), 1/4" Port Size										
Grade	1	2	4	7	10	16	34	100	200	350	700
S1	0.8	1.3	1.8	2.6	3.1	3.8	5.7	8.9	14.0	17.9	25.5
S2	1.5	2.6	3.6	5.1	6.1	7.7	11.5	17.9	28.1	35.7	51.0
S10	3.6	6.0	8.3	11.9	14.3	17.9	26.8	41.7	65.5	83.3	119.0
S20	4.3	7.2	10.1	14.5	17.3	21.7	32.5	50.6	79.5	101.2	144.5
S40	4.8	7.9	11.1	15.9	22.4	23.8	35.8	55.6	87.4	130.9	187.0
S100	7.4	12.3	17.2	24.6	34.7	36.8	55.3	86.0	135.1	202.3	289.0
S200	9.8	16.3	22.8	32.5	45.9	48.8	73.2	113.8	178.8	267.8	382.5

25.64.□	Air Pressure (Bar), 1/2" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	700
S1	1.8	2.9	4.1	5.9	7.0	8.8	13.2	20.5	32.2	43.9	58.5
S2	3.5	5.9	8.2	11.7	14.0	17.6	26.3	41.0	64.4	87.8	117.0
S10	8.2	13.7	23.2	27.3	32.8	41.0	61.4	95.6	150.2	204.8	273.0
S20	9.9	16.6	25.5	33.2	39.8	49.7	74.6	116.0	182.3	248.6	331.5
S40	10.9	18.2	39.4	36.5	51.5	54.7	82.0	127.6	200.6	321.8	429.0
S100	16.9	28.2	39.4	56.4	79.6	84.5	126.8	197.2	310.0	497.3	663.0
S200	22.4	37.3	52.2	74.6	105.3	111.9	167.8	261.1	410.2	658.1	877.5

25.178.□	Air Pressure (Bar), 3/4" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	700
S1	5.2	8.6	12.1	17.3	20.7	25.9	38.8	60.4	94.9	129.4	172.5
S2	10.4	17.3	24.2	34.5	41.4	51.8	77.6	120.8	189.8	258.8	345.0
S10	24.2	40.3	56.4	80.5	96.6	120.8	181.1	281.8	442.8	603.8	805.0
S20	29.3	48.9	68.4	97.8	117.3	146.6	219.9	342.1	537.6	733.1	977.5
S40	32.3	53.8	75.3	107.5	151.8	161.3	241.9	376.3	591.4	948.8	1265.0
S100	49.9	83.1	116.3	166.2	234.6	249.3	373.9	581.6	914.0	1466.3	1955.0
S200	66.0	110.0	154.0	219.9	310.5	329.9	494.9	769.8	1209.7	1940.6	2587.5

38.152.□	Air Pressure (Bar), 1" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	
S1	6.8	11.3	15.8	22.5	27.0	33.8	50.6	78.8	123.8	168.8	
S2	15.8	26.3	36.8	52.5	63.0	78.8	118.1	183.8	288.8	393.8	
S10	31.5	52.5	73.5	105.0	126.0	157.5	236.3	367.5	577.5	787.5	
S20	38.3	63.8	89.3	127.5	153.0	191.3	286.9	446.3	701.3	956.3	
S40	42.1	70.1	98.2	140.3	198.0	210.4	315.6	490.9	771.4	1237.5	
S100	65.0	108.4	151.7	216.8	306.0	325.1	487.7	758.6	1192.1	1912.5	
S200	86.1	143.4	200.8	286.9	405.0	430.3	645.5	1004.1	1577.8	2531.3	

51.230.□	Air Pressure (Bar), 2" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	
S1	13.5	22.5	31.5	45.0	54.0	67.5	101.3	157.5	247.5	337.5	
S2	27.0	45.0	63.0	90.0	108.0	135.0	202.5	315.0	495.0	675.0	
S10	63.0	105.0	147.0	210.0	252.0	315.0	472.5	735.0	1155.0	1575.0	
S20	76.5	127.5	178.5	255.0	306.0	382.5	573.8	892.5	1402.5	1912.5	
S40	84.2	140.3	196.4	280.5	396.0	420.8	631.1	981.8	1542.8	2475.0	
S100	130.1	216.8	303.5	433.5	612.0	650.3	975.4	1517.3	2384.3	3825.0	
S200	172.1	286.9	401.6	573.8	810.0	860.6	1290.9	2008.1	3155.6	5062.5	

51.476.□	Air Pressure (Bar), 2" Port Size										
Grade	1	2	4	7	10	16	34	100	200	400	
S1	28.4	47.3	66.2	94.5	113.4	141.8	212.6	330.8	519.8	708.8	
S2	56.7	94.5	132.3	189.0	226.8	283.5	425.3	661.5	1039.5	1417.5	
S10	132.3	220.5	308.7	441.0	529.2	661.5	992.3	1543.5	2425.5	3307.5	
S20	160.7	267.8	374.9	535.5	642.6	803.3	1204.9	1874.3	2945.3	4016.3	
S40	176.7	294.5	412.3	589.1	831.6	883.6	1325.4	2061.7	3239.8	5197.5	
S100	273.1	455.2	637.2	910.4	1285.2	1365.5	2048.3	3186.2	5006.9	8032.5	
S200	361.5	602.4	843.4	1204.9	1701.0	1807.3	2711.0	4217.1	6626.8	10631.3	

Notes (1) The above flow rates are for air at 20°C. Flow rates for other gases can be derived from relative viscosity data.
 (2) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.

Air Flow Rates

PTFE & PE Filter Elements

Air flow rates in Nm³/hr at stated line pressure with a 0.1 Bar pressure drop

Flow rates will depend on which filter element grade is installed in the filter housing. First check the size of the filter element installed using the housing data sheets and then use the charts below to read the flow rate at the desired pressure against the element grade. Replace the □ in the part number shown with the required grade, for example 12.57.T20 would be a grade T20 on the charts below.

The maximum flow rate also depends on the flow path through the housing - for housings with a smaller port size please consult us for the exact figure.

12.32.□		Air Pressure (Bar), 1/4" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	700
T2	PE2	0.2	0.3	0.4	0.5	0.6	0.8	1.1	1.8	2.8	3.5	5.0
	PE10	0.5	0.8	1.1	1.5	1.8	2.3	3.4	5.3	8.3	10.5	15.0
T20	PE20	0.7	1.1	1.6	2.3	2.7	3.4	5.1	7.9	12.4	15.8	22.5
	PE40	1.0	1.6	2.3	3.3	3.9	4.9	7.3	11.4	17.9	22.8	32.5
	PE100	1.1	1.9	2.6	3.8	4.5	5.6	8.4	13.1	20.6	26.3	37.5

12.57.□		Air Pressure (Bar), 1/4" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	700
T2	PE2	0.3	0.5	0.6	0.9	1.1	1.4	2.0	3.2	5.0	6.3	9.0
	PE10	0.8	1.4	1.9	2.7	3.2	4.1	6.1	9.5	14.9	18.9	27.0
T20	PE20	1.2	2.0	2.8	4.1	4.9	6.1	9.1	14.2	22.3	28.4	40.5
	PE40	1.8	2.9	4.1	5.9	7.0	8.8	13.2	20.5	32.2	41.0	58.5
	PE100	2.0	3.4	4.7	6.8	8.1	10.1	15.2	23.6	37.1	47.3	67.5

25.64.□		Air Pressure (Bar), 1/2" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	700
T2	PE2	0.6	1.0	1.4	2.0	2.4	3.0	4.5	7.0	11.0	15.0	20.0
	PE10	1.8	3.0	4.2	6.0	7.2	9.0	13.5	21.0	33.0	45.0	60.0
T20	PE20	2.7	4.5	6.3	9.0	10.8	13.5	20.3	31.5	49.5	67.5	90.0
	PE40	3.9	6.5	9.1	13.0	15.6	19.5	29.3	45.5	71.5	97.5	130.0
	PE100	4.5	7.5	10.5	15.0	18.0	22.5	33.8	52.5	82.5	112.5	150.0

25.178.□		Air Pressure (Bar), 3/4" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	700
T2	PE2	1.7	2.9	4.1	5.8	7.0	8.7	13.1	20.3	31.9	43.5	58.0
	PE10	5.2	8.7	12.2	17.4	20.9	26.1	39.2	60.9	95.7	130.5	174.0
T20	PE20	7.8	13.1	18.3	26.1	31.3	39.2	58.7	91.4	143.6	195.8	261.0
	PE40	11.3	18.9	26.4	37.7	45.2	56.6	84.8	132.0	207.4	282.8	377.0
	PE100	13.1	21.8	30.5	43.5	52.2	65.3	97.9	152.3	239.3	326.3	435.0

38.152.□		Air Pressure (Bar), 1" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	
T2	PE2	2.3	3.8	5.3	7.5	9.0	11.3	16.9	26.3	41.3	56.3	
	PE10	6.8	11.3	15.8	22.5	27.0	33.8	50.6	78.8	123.8	168.8	
T20	PE20	10.1	16.9	23.6	33.8	40.5	50.6	75.9	118.1	185.6	253.1	
	PE40	14.6	24.4	34.1	48.8	58.5	73.1	109.7	170.6	268.1	365.6	
	PE100	16.9	28.1	39.4	56.3	67.5	84.4	126.6	196.9	309.4	421.9	

51.230.□		Air Pressure (Bar), 2" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	
T2	PE2	4.5	7.5	10.5	15.0	18.0	22.5	33.8	52.5	82.5	112.5	
	PE10	13.5	22.5	31.5	45.0	54.0	67.5	101.3	157.5	247.5	337.5	
T20	PE20	20.3	33.8	47.3	67.5	81.0	101.3	151.9	236.3	371.3	506.3	
	PE40	29.3	48.8	68.3	97.5	117.0	146.3	219.4	341.3	536.3	731.3	
	PE100	33.8	56.3	78.8	112.5	135.0	168.8	253.1	393.8	618.8	843.8	

51.476.□		Air Pressure (Bar), 2" Port Size										
Grade		1	2	4	7	10	16	34	100	200	400	
T2	PE2	9.3	15.5	21.7	31.0	37.2	46.5	69.8	108.5	170.5	232.5	
	PE10	27.9	46.5	65.1	93.0	111.6	139.5	209.3	325.5	511.5	697.5	
T20	PE20	27.9	69.8	97.7	139.5	167.4	209.3	313.9	488.3	767.3	1046.3	
	PE40	60.5	100.8	141.1	201.5	241.8	302.3	453.4	705.3	1108.3	1511.3	
	PE100	69.8	116.3	162.8	232.5	279.0	348.8	523.1	813.8	1278.8	1743.8	

Notes (1) The above flow rates are for air at 20°C. Flow rates for other gases can be derived from relative viscosity data.

(2) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.

Liquid Flow Rates

Stainless Steel Filter Elements

Liquid flow rates in Ltrs/hr at 0.15 Bar pressure drop

Flow rates will depend on which filter element grade is installed in the filter housing. First check the size of the filter element using the housing data sheets and then use the charts below to read the flow rate against the element grade. Replace the □ in the part number shown with the required grade, for example 12.57.S20V

The figures shown here are based on the viscosity of water and oil (32cSt). See note (4) for other liquids.

12.32.□	Flow Rates in Ltrs/hr 1/8" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	3.0	7.0	16	33	66	98	131	262
Oil (32 cSt)	0.1	0.2	0.6	1.2	2.4	3.5	4.7	9.4

12.57.□	Flow Rates in Ltrs/hr for 1/4" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	6	12	31	61	122	183	244	489
Oil (32 cSt)	0.2	0.4	1.1	2.2	4.4	6.6	8.8	17.5

25.64.□	Flow Rates in Ltrs/hr for 1/4" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	14	29	72	144	287	481	575	720 ⁽⁵⁾
Oil (32 cSt)	0.5	1.0	2.6	5.2	10.3	15.5	20.6	25.8 ⁽⁵⁾

25.178.□	Flow Rates in Ltrs/hr for 1/2" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	41	82	206	412	825	1080 ⁽⁵⁾	1080 ⁽⁵⁾	1080 ⁽⁵⁾
Oil (32 cSt)	1.5	3.0	7.4	14.8	29.6	38.7 ⁽⁵⁾	38.7 ⁽⁵⁾	38.7 ⁽⁵⁾

38.152.□	Flow Rates in Ltrs/hr for 3/4" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	53	107	267	534	1067	1601	2135	4269
Oil (32 cSt)	1.9	3.8	9.6	16.1	38.2	57.4	76.5	153.0

51.230.□	Flow Rates in Ltrs/hr for 1" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	109	218	546	1091	2182	3273	4364	6840 ⁽⁵⁾
Oil (32 cSt)	3.9	7.8	19.6	39.1	78.2	117.3	156.4	245.1 ⁽⁵⁾

51.476.□	Flow Rates in Ltrs/hr for 2" Port Sizes							
	S1	S2	S5	S10	S20	S40	S100	S200
Water	227	455	1137	2274	4547	6821	9094	18188
Oil (32 cSt)	8.1	16.3	40.7	81.5	163.0	224.4	325.9	651.8

- Notes**
- (1) The above flow rates are for water and oil at 20°C. Flow rates for other liquids can be derived from relative viscosity data.
 - (2) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.
 - (3) Flow rates are generally inversely proportional to liquid viscosity.
 - (4) Water = 1 centipoise, for higher viscosity liquids divide the flow rates by the actual viscosity in centipoise.
 - (5) Flow rate limited by the port dimensions. Please contact us to discuss larger port options.

PTFE Membranes

Grades & Dimensions

PTFE porous membranes are manufactured from a pure PTFE. They have a good strength, but remain flexible for easy installation. PTFE membranes extremely inert and have very low absorption levels.

Microscopic pores in the membrane allow the gas to flow through easily, but even the smallest liquid aerosols are prevented. The high surface tension of the liquid molecules cause them to be formed tightly together making them too large to fit through the pores of the membrane.

Standard Sizes

PTFE membranes are available in a wide range of standard diameters. These are based on traditional industry standard sizes and allow the elements to be installed in other proprietary equipment.

MT.19.□ MT.33.□ MT.47.□ MT.61.□ MT.89.□ MT.101.□

Replace the □ in the part numbers shown with the grade selected from the tables below.

Gas Applications

Grade	Type	Pore Size	Thickness
M1	Hydrophobic	0.1 µm	50 µm
M2	Hydrophobic	0.8 µm	50 µm
M3	Hydrophobic & Oleophobic	0.1 µm	50 µm
M4	Hydrophobic & Oleophobic	0.8 µm	50 µm

Liquid/Liquid Applications

The principles are the same as for the gas application membranes - the higher surface tension of the water molecules cause them to be formed tightly together making them too large to fit through the pores of the membrane.

The M8 grade has a special support layer on the reverse of the membrane to increase the maximum pressure drop.

To ensure water is removed from the liquid hydrocarbon stream the contact time with the membrane should be maximised and the SML housings feature a special flow-path to do this.

Liquid/Liquid Applications

Grade	Type	Pore Size	Thickness
M8	Hydrophobic with Support Layer	0.8 µm	150 µm

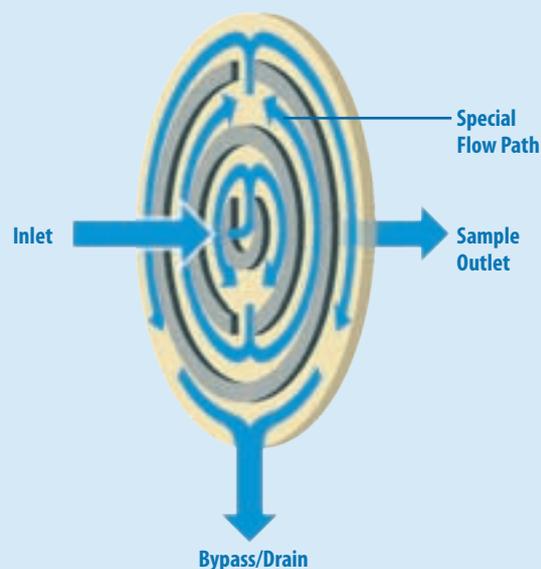
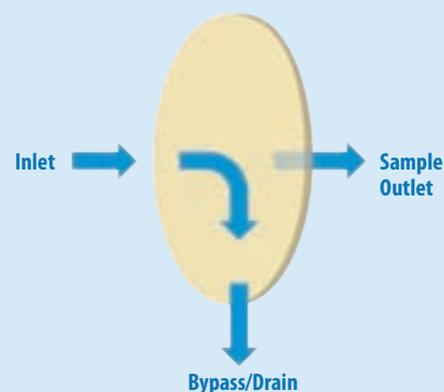
Special Sizes

Special size membranes can also be manufactured in a range of different diameters.

Please enquire with any specific requirements.



PTFE Membrane



Gas and Liquid Flow rates in litres/hr at 0.1 Bar pressure drop

Flow rates will depend on which membrane grade is installed in the membrane housing. First check the size of the filter element using the housing data sheets and then refer to the charts below to read the flow rate against the membrane grade. Replace the □ in the part number shown with the required grade, for example MT.33.M2

For housings that have two membranes installed the flow rates can be doubled.

Gas Flow Rates

Liquid/Liquid Flow Rates

MT.19.□

Grade	Air
M1	9
M2	275
M3	9
M4	275

Grade	Gasolene	Kerosene	Diesel
M8	24.6	10.6	9.0

MT.33.□

Grade	Air
M1	15
M2	480
M3	15
M4	480

Grade	Gasoline	Kerosene	Diesel
M8	42.7	18.4	15.7

MT.47.□

Grade	Air
M1	22
M2	685
M3	22
M4	685

Grade	Gasoline	Kerosene	Diesel
M8	60	26	22

MT.61.□

Grade	Air
M1	29
M2	890
M3	29
M4	890

Grade	Gasoline	Kerosene	Diesel
M8	79	34	29

MT.89.□

Grade	Air
M1	42
M2	1290
M3	42
M4	1290

Grade	Gasoline	Kerosene	Diesel
M8	115	49	42

MT.101.□

Grade	Air
M1	48
M2	1450
M3	48
M4	1450

Grade	Gasoline	Kerosene	Diesel
M8	130	56	48

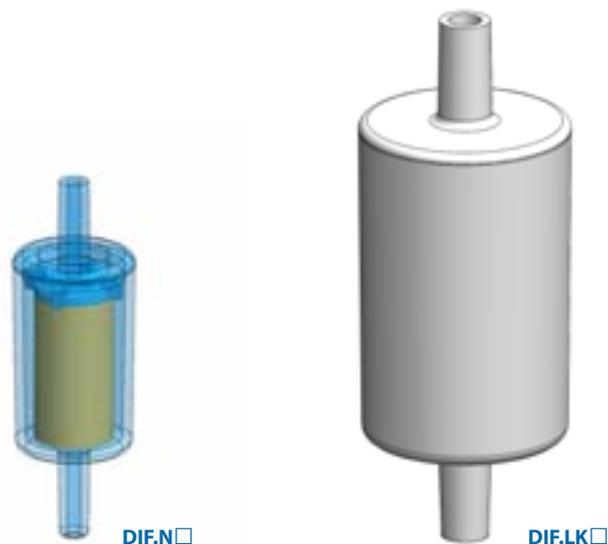
Notes (1) Flow rates are generally proportional to pressure drop. If an initial drop of 0.2 bar can be tolerated flow rates can be doubled.

Materials	Polyamide & PVDF
Pressure	8 Bar
Ports	1/4" or 1/2" Spigots
Element	12.32.□ & 25.64.□

Disposable In-Line Filters (DIF) consist of permanently welded housings with encapsulated microfibre filter elements. This makes them ideal for portable analysers and other analysis systems requiring a robust and easily replaceable filter.

A choice of body materials makes them suitable for a wide range of chemical environments. The units on this page are designed for particulate removal in gas and liquid applications. The K type filter element is fitted as standard, but other element types can also be installed.

Replace the □ in the part number with the grade required, for example DIF.N5K



Technical Specifications

Housing Model (1)	DIF.N□	DIF.K□	DIF.LN□	DIF.LN□.201	DIF.LK□	DIF.LK□.201
Port Size	∅ 1/4" Spigot	∅ 1/4" Spigot	∅ 1/2" Spigot	1/4" NPT(M)	∅ 1/4" Spigot	1/4" NPT(M)
Maximum Temperature, °C						
At 0 Bar	110	120	110	120	110	120
At Maximum Pressure,	50	50	50	50	50	50
Materials of Construction (1)						
Body	PA	PVDF	PA	PA	PVDF	PVDF
Filter Element Size	12.32	12.32	25.64	25.64	25.64	25.64
Standard Element	K Type	K Type	K Type	K Type	K Type	K Type
Principal Dimensions in mm						
Diameter	25	25	51	51	51	51
Body Length	96.5	96.5	79	79	79	79
Spigot Length	20	20	24	24	24	24
Volume, cc	11	11	110	110	110	110

Notes

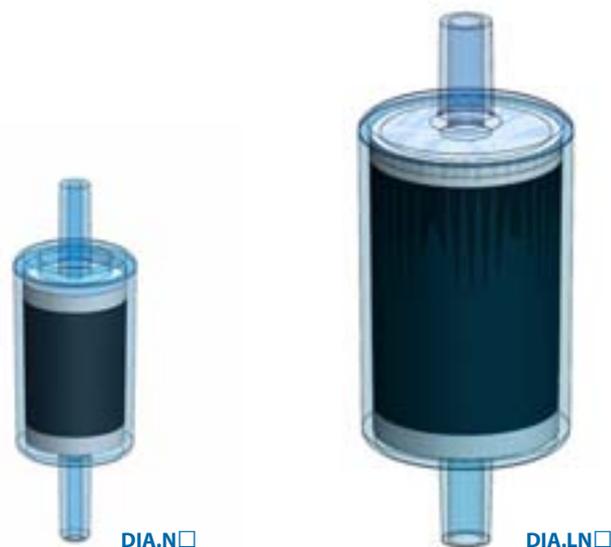
- (1) Replace the □ with the grade required, e.g. DIF.N5K
- (2) Material abbreviations, PA = Polyamide, PVDF = Polyvinylidenedifluoride

Materials Polyamide & PVDF
Pressure 8 Bar
Ports 1/4" or 1/2" Spigots
Adsorbers Various

Disposable In-Line Adsorbers (DIA) consist of polyamide or PVDF bodies filled with granular adsorption material with integral inlet and outlet filter pads. Two body sizes are available, containing approximately 11cc and 110cc of adsorbent.

Flow rates are the same as for grade 5 elements in the same size bodies. However, with adsorption more important considerations will be the volume of adsorbent and the contact time.

A range of adsorber materials are available, these are listed below. Replace the □ in the part number with the grade required.



Technical Specifications

Housing Model (1)	DIA.N□	DIA.K□	DIA.LN□	DIA.LN□.201	DIA.LK□	DIA.LK□.201
Port Size	∅ 1/4" Spigot	∅ 1/4" Spigot	∅ 1/2" Spigot	1/4" NPT(M)	∅ 1/4" Spigot	1/4" NPT(M)
Maximum Temperature, °C						
At 0 Bar	80	80	80	80	80	80
At Maximum Pressure,	50	50	50	50	50	50
Materials of Construction (1)						
Body	PA	PVDF	PA	PA	PVDF	PVDF
Adsorber (see table below)						
Principal Dimensions in mm						
Diameter	25	25	51	51	51	51
Body Length	96.5	96.5	79	79	79	79
Spigot Length	20	20	24	24	24	24
Volume, cc	11	11	110	110	110	110

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x
04	Molecular Sieve 13X	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x , aromatics, amines
05	Silica Gel	Removal of water vapour
06	Mixed Bases (SodaLime)	Removal of acidic gases, CO ₂ , SO _x , NO _x , HCl
07	Potassium Permanganate	Removal of SO _x and other acidic gases
08	Hopcalite	Removal of CO by catalytic oxidation to CO ₂

Notes

(1) Replace the □ with the adsorber required, e.g. DIA.N01

(2) Material abbreviations, PA = Polyamide, PVDF = Polyvinylidenedifluoride

Vapour Adsorption

Coalescing filter elements will only remove liquid aerosols and droplets. If there is a liquid in vapour form to be removed then an adsorber cartridge should be used in an additional housing as a final stage.

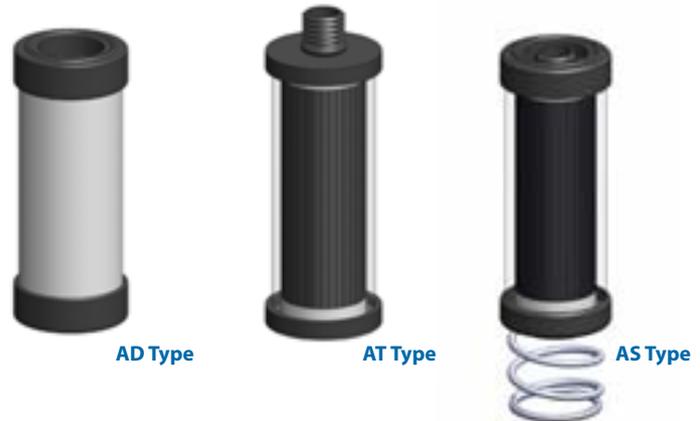
Adsorption cartridges can also be used to remove elements of a gas, for example acidic gases. A range of adsorber materials are available and these are listed below.

Cartridge Types

We have three different styles of adsorber cartridge available - each designed for a particular filter housing.

The AD and AT types can be installed into a standard housing. The AS is designed for small stainless steel housings and to install this type the housing tie rod should be removed.

Refer to the housing data sheets to select the correct size and type of cartridge required.



Technical Specifications

Housing Model (1)	□.AD	□.AT	□.AD
Maximum Temperature, °C	50	50	50
Materials of Construction (1)			
Body	Microfibre Filters	Acrylic	Acrylic
End Caps	PA	PA	PA
Filter Pads	-	PE	PE
Adsorber (see table below)			

Standard Sizes

12.32. □ 12.57. □ 25.64. □ 25.178. □ 32.152. □ 51.230. □ 51.476. □

Grade	Adsorber	Principle Uses
01	Activated Carbon Granules	Removal of hydrocarbons and other organic vapours
02	Activated Carbon Cloth	Removal of hydrocarbons and other organic vapours
03	Molecular Sieve 4A	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x
04	Molecular Sieve 13X	Removal of CO ₂ , NH ₃ , H ₂ S, SO _x , aromatics, amines
05	Silica Gel	Removal of water vapour
06	Mixed Bases (Soda Lime)	Removal of acidic gases, CO ₂ , SO _x , NO _x , HCl
07	Potassium Permanganate	Removal of SO _x and other acidic gases
08	Hopcalite	Removal of CO by catalytic oxidation to CO ₂

Notes

(1) Replace the □ with the adsorber required, e.g. 12.57.AS01

Materials	316L Stainless Steel
Pressure	340 Bar
Ports	SP76 & 1/8"
Element	10.32.□

The SH027 series SP76 filter housings are designed for SP76 compliant modular sample systems. The housings can be used for particulate or coalescing applications. Coalescing housings have a drain port. If a housing is used for coalescing any liquid in the sample will flow to the 1/8" NPT drain port.

The coalescing housings should only be used on a substrate that is mounted in the horizontal plane with the drain port at the lowest point below the inlet and outlet ports.

The housing design allows a quick change of the element as all the line connections are arranged in the body of the housing.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.



Technical Specifications

Housing Model	SH017.L01	SH017.R01	SH017.L11	SH017.R11
Inlet/Outlet Connections	SP76	SP76	SP76	SP76
Drain	None	None	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	340	340	340	340
Maximum Temperature, °C (1)	200	200	200	200
Flow Direction	Left to Right	Right to Left	Left to Right	Right to Left
Substrate Plane	Any	Any	Horizontal	Horizontal
Inlet	Hole 1	Hole 3	Hole 2	Hole 2
Outlet	Hole 2	Hole 2	Hole 3	Hole 1
Materials of Construction (2)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seals(3)	Viton	Viton	Viton	Viton
Membrane Code (4)	10.32.□	10.32.□	10.32.□	10.32.□
Principal Dimensions in mm				
Diameter	38	38	38	38
Height	82	82	82	82
Volume, cc	15	15	15	15
Weight, kg	0.3	0.3	0.3	0.3

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SH027.R11.T)
- (4) Replace the □ with the grade required, e.g. 10.57.5CK

SH027

SP76 Modular Filter Housing

Materials	316L Stainless Steel
Pressure	340 Bar
Ports	SP76 & 1/8"
Element	10.57.□

The SH027 series SP76 filter housings are designed for SP76 compliant modular sample systems. The housings can be used for particulate or coalescing applications. Coalescing housings have a drain port. If a housing is used for coalescing any liquid in the sample will flow to the 1/8" NPT drain port.

The coalescing housings should only be used on a substrate that is mounted in the horizontal plane with the drain port at the lowest point below the inlet and outlet ports.

The housing design allows a quick change of the element as all the line connections are arranged in the body of the housing.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.



Technical Specifications

Housing Model	SH027.L01	SH027.R01	SH027.L11	SH027.R11
Inlet/Outlet Connections	SP76	SP76	SP76	SP76
Drain	None	None	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	340	340	340	340
Maximum Temperature, °C (1)	200	200	200	200
Flow Direction	Left to Right	Right to Left	Left to Right	Right to Left
Substrate Plane	Any	Any	Horizontal	Horizontal
Inlet	Hole 1	Hole 3	Hole 2	Hole 2
Outlet	Hole 2	Hole 2	Hole 3	Hole 1
Materials of Construction (2)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seals(3)	Viton	Viton	Viton	Viton
Membrane Code (4)	10.57.□	10.57.□	10.57.□	10.57.□
Principal Dimensions in mm				
Diameter	38	38	38	38
Height	107	107	107	107
Volume, cc	15	15	15	15
Weight, kg	0.35	0.35	0.35	0.35

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SH027.R11.T)
- (4) Replace the □ with the grade required, e.g. 10.57.5CK

SM015

SP76 Modular Membrane Housing

Materials 316L SS
Pressure 100 Bar
Ports SP76 & 1/8"
Membrane MT.19.□

The SM015 series SP76 membrane housings are designed for SP76 compliant modular sample systems. The housings use a porous PTFE membrane which is supported by a sintered porous stainless steel disc on the outlet side.

Any liquid in the sample will flow to the 1/8" NPT drain port. The housings should only be used on substrates that are mounted in the horizontal plane with the drain port at the lowest point below the inlet and outlet ports.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.



Technical Specifications

Housing Model	SM015.L11	SM015.R11
Inlet/Outlet Connections	SP76	SP76
Drain	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, °C (1)	150	150
Flow Direction	Left to Right	Right to Left
Substrate Plane	Horizontal	Horizontal
Inlet	Hole 2	Hole 2
Outlet	Hole 3	Hole 1
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals(3)	Viton	Viton
Membrane Code (4)	MT.19.□	MT.19.□
Principal Dimensions in mm		
Diameter	38	38
Height	48.5	48.5
Volume, cc	5	5
Weight, kg	0.3	0.3

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM015.L11.T)

(3) Replace the □ with the grade required, e.g. MT.19.M2

Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/8" or 1/4"
Element 12.32.□

SG111 and SS112 series filter housings are specified for 1/8" & 1/4" line size applications at low pressure. For applications over 10 Bar the SS117 housings are available.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	SG111.111	SG111.211	SG111.221	SS112.111	SS112.211	SS112.221
Port Size	1/8" NPT	1/4" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	1/8" NPT	1/8" NPT	1/4" NPT	1/8" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	7	7	7	10	10	10
Maximum Temperature, °C (2)	100	100	100	200	200	200
Materials of Construction (3)						
Head & Internals	316L SS					
Bowl	Pyrex	Pyrex	Pyrex	316L SS	316L SS	316L SS
Seals(4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□
Adsorber Cartridge Code (6)	12.32.AD□	12.32.AD□	12.32.AD□	12.32.AD□	12.32.AD□	12.32.AD□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	93	93	93	93	93	93
Volume, cc	25	25	25	25	25	25
Weight, kg	0.4	0.4	0.4	0.4	0.4	0.4
Accessories						
Support Core	SCSS11	SCSS11	SCSS11	SCSS11	SCSS11	SCSS11
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature (not SG types)
- (2) Maximum temperature is with standard seals. For temperatures up to 324°C use Chemraz seals
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG111.221.T)
- (5) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20
- (6) Replace the □ with the type required, e.g. 12.32.AD01

Materials	316L Stainless Steel
Pressure	350 Bar
Ports	1/8" or 1/4"
Element	12.32.□

SS117 series filter housings are specified for 1/8" & 1/4" line size applications where response times are critical. When the flow rate or contamination levels are higher the SS127 series housings should be considered.

Higher pressure versions are available, see the SS119 series for applications up to 700 bar.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS117.101	SS117.111	SS117.201	SS117.221
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar (1)	350	350	350	350
Maximum Temperature, °C (2)	200	200	200	200
Materials of Construction (3)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton
Filter Elements Code (5)	12.32.□	12.32.□	12.32.□	12.32.□
Adsorber Cartridge Code (6)	12.32.AS□	12.32.AS□	12.32.AS□	12.32.AS□
Principal Dimensions in mm				
Diameter	36	36	36	36
Height	78.5	78.5	78.5	78.5
Volume, cc	25	25	25	25
Weight, kg	0.38	0.38	0.38	0.38
Accessories				
Support Core	SCSS11	SCSS11	SCSS11	SCSS11
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS117.221.T)
- (5) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20
- (6) Replace the □ with the type required, e.g. 12.32.AS01

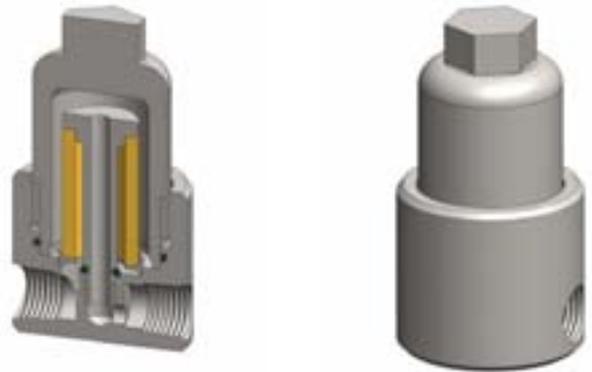
Materials	316L Stainless Steel
Pressure	350 Bar
Ports	1/8" or 1/4"
Element	12.32.□

SV117 series filter housings are specified for 1/8" & 1/4" line size coalescing applications. The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element and the element remains vertical which is the correct orientation for efficient coalescing.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SV117.111	SV117.221
Port Size	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	350	350
Maximum Temperature, °C (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seal (4)	Viton	Viton
Filter Elements Code (5)	12.32.□	12.32.□
Principal Dimensions in mm		
Diameter	44	44
Height	80.5	80.5
Volume, cc	25	25
Weight, kg	0.55	0.55
Accessories		
Mounting Bracket	MBSV117	MBSV117

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SV117.221.E)

(5) Replace the □ with the grade required, e.g. 12.32.5CK

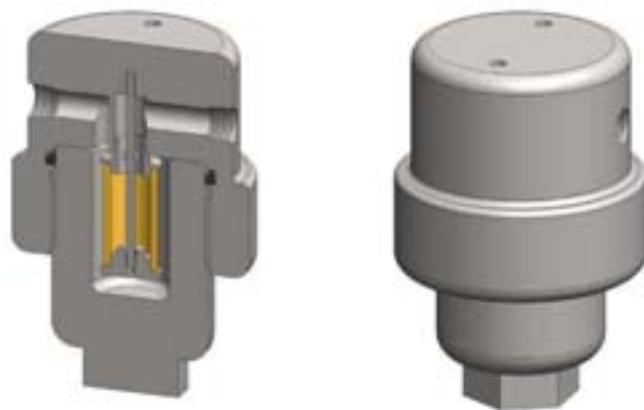
Materials 316L Stainless Steel
Pressure 700 Bar
Ports 1/8" or 1/4"
Element 12.32.□

SS119 series filter housings are specified for 1/8" & 1/4" line size applications up to 700 Bar where response times are critical. If the flow rate or contamination is higher, or where service intervals must be kept as long as possible, the SS129 series housings should be considered. For applications less than 340 Bar see the SS117 series housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS119.101	SS119.111	SS119.201	SS119.221
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar (1)	700	700	700	700
Maximum Temperature, °C (2)	200	200	200	200
Materials of Construction (3)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton
Filter Elements Code (5)	12.32.□	12.32.□	12.32.□	12.32.□
Adsorber Cartridge Code (6)	12.32.AS□	12.32.AS□	12.32.AS□	12.32.AS□
Principal Dimensions in mm				
Diameter	65	65	65	65
Height	110	110	110	110
Volume, cc	30	30	30	30
Weight, kg	2.4	2.4	2.4	2.4
Accessories				
Support Core	SCSS11	SCSS11	SCSS11	SCSS11
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS119.221.T)
- (5) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20
- (6) Replace the □ with the type required, e.g. 12.32.AS01

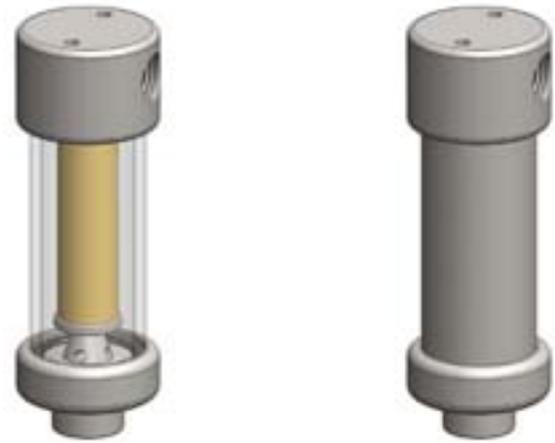
Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/8" or 1/4"
Element 12.57.□

SG121 and SS122 series filter housings are specified for 1/8" & 1/4" line size applications at low pressure. For applications over 10 Bar the SS127 housings are available. The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	SG121.111	SG121.211	SG121.221	SS122.111	SS122.211	SS122.221
Port Size	1/8" NPT	1/4" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	1/8" NPT	1/8" NPT	1/4" NPT	1/8" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	7	7	7	10	10	10
Maximum Temperature, °C (2)	100	100	100	200	200	200
Materials of Construction (3)						
Head & Internals	316L SS					
Bowl	Pyrex	Pyrex	Pyrex	316L SS	316L SS	316L SS
Seals(4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (6)	12.57.AD□	12.57.AD□	12.57.AD□	12.57.AD□	12.57.AD□	12.57.AD□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	118.5	118.5	118.5	118.5	118.5	118.5
Volume, cc	45	45	45	45	45	45
Weight, kg	0.4	0.4	0.4	0.4	0.4	0.4
Accessories						
Support Core	SCSS12	SCSS12	SCSS12	SCSS12	SCSS12	SCSS12
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature (not SG types)
- (2) Maximum temperature is with standard seals. For temperatures up to 324°C use Chemraz seals
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG111.221.T)
- (5) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20
- (6) Replace the □ with the type required, e.g. 12.32.AD01

Materials	316L Stainless Steel
Pressure	350 Bar
Ports	1/8" or 1/4"
Element	12.57.□

SS127 series filter housings are specified for general 1/8" & 1/4" line size applications. The SS117 series housings should be considered for applications where response time is critical. Higher pressure versions are available, see the SS129 series for applications up to 700 bar.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS127.101	SS127.111	SS127.201	SS127.221
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar (1)	350	350	350	350
Maximum Temperature, °C (2)	200	200	200	200
Materials of Construction (3)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton
Filter Elements Code (5)	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (6)	12.57.AS□	12.57.AS□	12.57.AS□	12.57.AS□
Principal Dimensions in mm				
Diameter	36	36	36	36
Height	103.5	103.5	103.5	103.5
Volume, cc	35	35	35	35
Weight, kg	0.5	0.5	0.5	0.5
Accessories				
Support Core	SCSS12	SCSS12	SCSS12	SCSS12
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS127.221.T)
- (5) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20
- (6) Replace the □ with the type required, e.g. 12.57.AS01

SV127

Inverted Coalescing Filter Housing

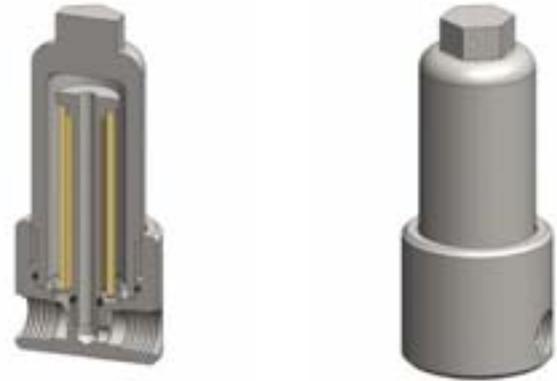
Materials	316L Stainless Steel
Pressure	350 Bar
Ports	1/8" or 1/4"
Element	12.57.□

SV127 series filter housings are specified for 1/8" & 1/4" line size coalescing applications. The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element and the element remains vertical which is the correct orientation for efficient coalescing.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SV127.111	SV127.221
Port Size	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT
Maximum Pressure, Bar (1)	350	350
Maximum Temperature, °C (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seal (4)	Viton	Viton
Filter Elements Code (5)	12.57.□	12.57.□
Principal Dimensions in mm		
Diameter	44	44
Height	105.5	105.5
Volume, cc	25	25
Weight, kg	0.65	0.65
Accessories		
Mounting Bracket	MBSV117	MBSV117

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SV117.221.E)
- (5) Replace the □ with the grade required, e.g. 12.32.5CK

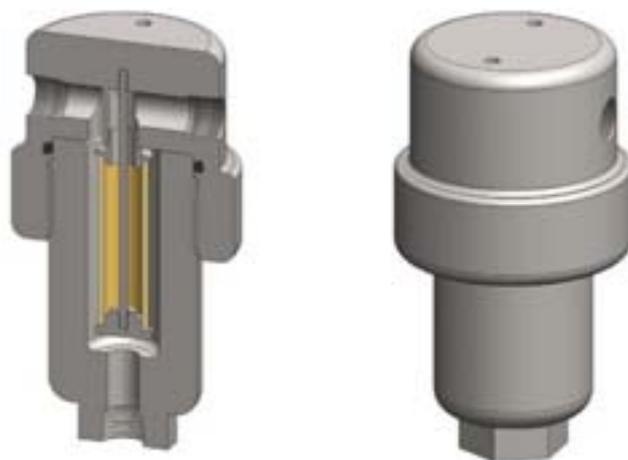
Materials	316L Stainless Steel
Pressure	700 Bar
Ports	1/8" or 1/4"
Element	12.57.□

SS129 series filter housings are specified for 1/8" & 1/4" line size applications up to 700 Bar where the flow rate or contamination is higher, or where service intervals must be kept as long as possible. SS119 series housings should be considered for applications where response time is critical. For applications less than 340 Bar see the SS127 series housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS129.101	SS129.111	SS129.201	SS129.221
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar (1)	700	700	700	700
Maximum Temperature, °C (2)	200	200	200	200
Materials of Construction (3)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton
Filter Elements Code (5)	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (6)	12.57.AS□	12.57.AS□	12.57.AS□	12.57.AS□
Principal Dimensions in mm				
Diameter	65	65	65	65
Height	135	135	135	135
Volume, cc	40	40	40	40
Weight, kg	2.75	2.75	2.75	2.75
Accessories				
Support Core	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS127.221.T)
- (5) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20
- (6) Replace the □ with the type required, e.g. 12.57.AS01

SG211 & SS212 Filter Housing

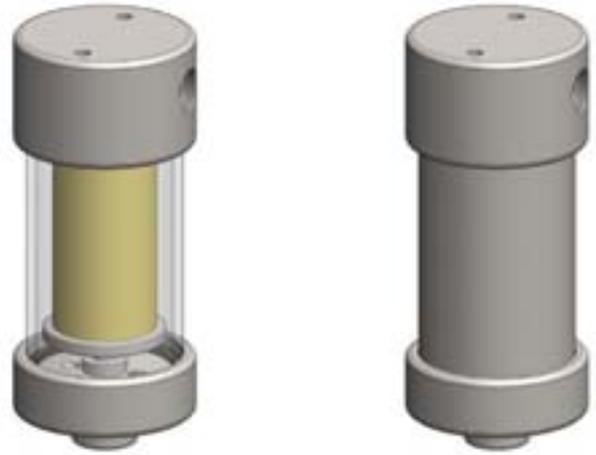
Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/4" or 1/2"
Element 25.64.□

SG211 and SS212 series filter housings are specified for 1/8" & 1/4" line size applications at low pressure. For applications over 10 Bar the SS215 housings are available. The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	SG211.211	SG211.221	SG211.411	SG211.421	SS212.211	SS212.221	SS212.411	SS212.421
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	1/8" NPT	1/4" NPT						
Maximum Pressure, Bar (1)	7	7	7	7	10	10	10	10
Maximum Temperature, °C (2)	100	100	100	100	200	200	200	200
Materials of Construction (3)								
Head & Internals	316L SS							
Bowl	Pyrex	Pyrex	Pyrex	Pyrex	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton							
Filter Elements Code (5)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (6)	25.64.AD□							
Principal Dimensions in mm								
Diameter	56	56	56	56	56	56	56	56
Height	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5
Volume, cc	70	70	70	70	70	70	70	70
Weight, kg	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
Accessories								
Support Core	SCSS21							
Mounting Bracket	MBSS21							

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature (not SG types)
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG211.221.T)
- (5) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20
- (6) Replace the □ with the type required, e.g. 25.64.AD01

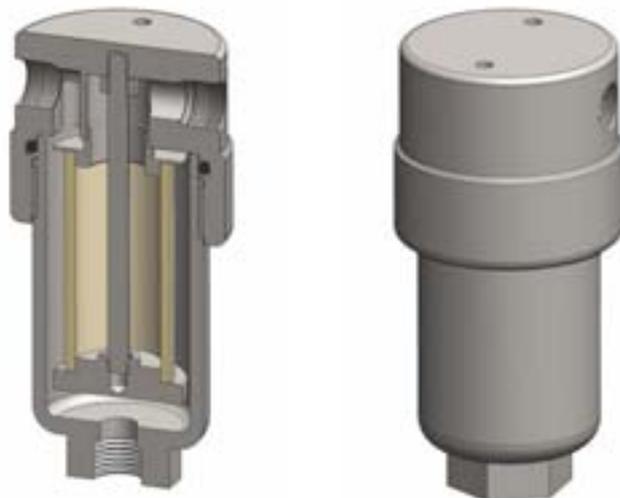
Materials 316L Stainless Steel
Pressure 100 Bar
Ports 1/4" or 1/2"
Element 25.64.□

SS215 series filter housings are specified for 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS235 series housings should be considered. For applications over 100 Bar high pressure versions are available, see the SS216 and SS218 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS215.201	SS215.221	SS215.401	SS215.421	SS215.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100
Maximum Temperature, °C (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (6)	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm					
Diameter	60	60	60	60	60
Height	128.5	128.5	128.5	128.5	128.5
Volume, cc	115	115	115	115	115
Weight, kg	1.45	1.45	1.45	1.45	1.45
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS215.221.T)
- (5) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20
- (6) Replace the □ with the type required, e.g. 25.64.AD01

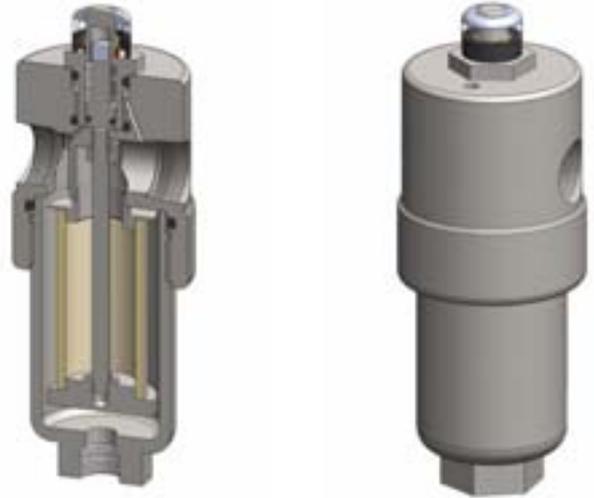
Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1/4" or 1/2"
Element	25.64.□

SS215 series filter housings with differential pressure indicator are specified for 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS235 series housings should be considered. For applications over 100 Bar high pressure versions are available, see the SS216 and SS218 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS215.201	SiS215.221	SiS215.401	SiS215.421	SiS215.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100
Maximum Temperature, °C (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (6)	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm					
Diameter	60	60	60	60	60
Height	168	168	168	168	168
Volume, cc	115	115	115	115	115
Weight, kg	1.8	1.8	1.8	1.8	1.8
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS215.221.E)
- (4) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20
- (5) Replace the □ with the type required, e.g. 25.64.AD01
- (6) Change part number to SeS215 for the electrical DPI version

SV215

Inverted Coalescing Filter Housing

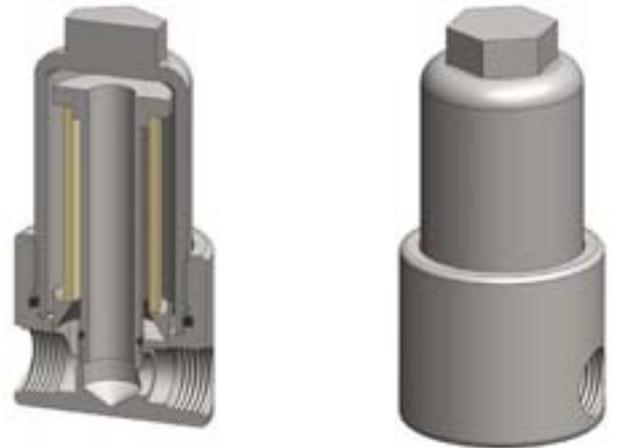
Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1/4" or 1/2"
Element	25.65.□

SV215 series filter housings are specified for 1/4" & 1/2" line size coalescing applications. The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element and the element remains vertical which is the correct orientation for efficient coalescing.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SV215.221	SV215.421
Port Size	1/4" NPT	1/2" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, °C (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seal (4)	Viton	Viton
Filter Elements Code (5)	25.64.□	25.64.□
Principal Dimensions in mm		
Diameter	63	63
Height	128	128
Volume, cc	115	115
Weight, kg	1.65	1.65
Accessories		
Mounting Bracket	MBSV215	MBSV215

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SV215.221.E)
- (5) Replace the □ with the grade required, e.g. 25.64.5CK

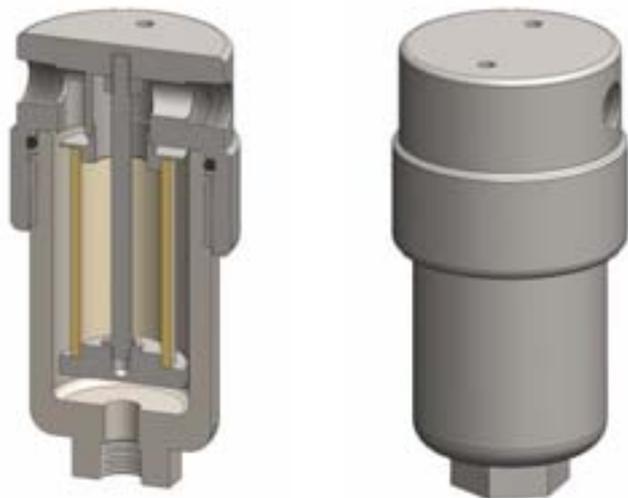
Materials	316L Stainless Steel
Pressure	200 Bar
Ports	1/4" or 1/2"
Element	25.64.□

SS216 series filter housings are specified for 200 Bar 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS236 series housings should be considered. For applications less than 100 Bar see the SS215 series and for over 200 Bar see the SS218 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS216.201	SS216.221	SS216.401	SS216.421	SS216.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200
Maximum Temperature, °C (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (6)	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm					
Diameter	64	64	64	64	64
Height	134.5	134.5	134.5	134.5	134.5
Volume, cc	120	120	120	120	120
Weight, kg	2.1	2.1	2.1	2.1	2.1
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS216.221.T)
- (5) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20
- (6) Replace the □ with the type required, e.g. 25.64.AD01

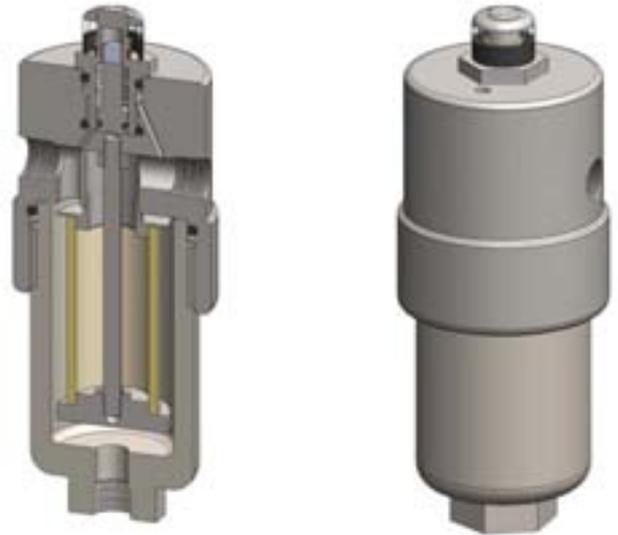
Materials	316L Stainless Steel
Pressure	200 Bar
Ports	1/4" or 1/2"
Element	25.64.□

SiS216 series filter housings with differential pressure indicator are specified for 200 Bar 1/4" line size and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS236 series housings should be considered. For applications less than 100 Bar see the SS215 series and for over 200 Bar see the SS218 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS216.201	SiS216.221	SiS216.401	SiS216.421	SiS216.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200	200	200	200
Maximum Temperature, °C (1)	100	100	100	100	100
Materials of Construction (2)					
Head, Bowl & Internals	316L SS				
Seal (3)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (4)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (5)	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm					
Diameter	64	64	64	64	64
Height	173.5	173.5	173.5	173.5	173.5
Volume, cc	120	120	120	120	120
Weight, kg	2.6	2.6	2.6	2.6	2.6
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS216.221.E)
- (4) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20
- (5) Replace the □ with the type required, e.g. 25.64.AD01
- (6) Change part number to SeS216 for the electrical DPI version

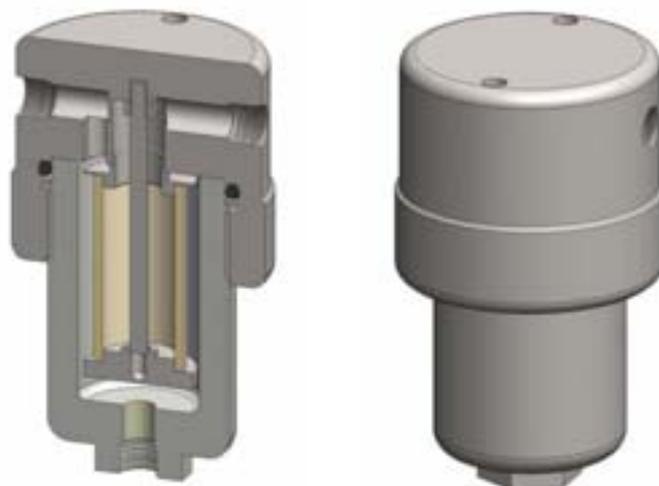
Materials	316L Stainless Steel
Pressure	400 Bar
Ports	1/4" or 1/2"
Element	25.64.□

SS218 series filter housings are specified for 400 Bar 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS238 series housings should be considered. For applications up to 100 Bar see the SS215 series and for up to 200 Bar see the SS216 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS218.201	SS218.221	SS218.401	SS218.421	SS218.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400
Maximum Temperature, °C (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (6)	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm					
Diameter	85	85	85	85	85
Height	147	147	147	147	147
Volume, cc	160	160	160	160	160
Weight, kg	2.55	2.55	2.55	2.55	2.55
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS218	MBSS218	MBSS218	MBSS218	MBSS218

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS218.221.T)
- (5) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20
- (6) Replace the □ with the type required, e.g. 25.64.AD01
- (6) Change part number to SeS215 for the electrical DPI version

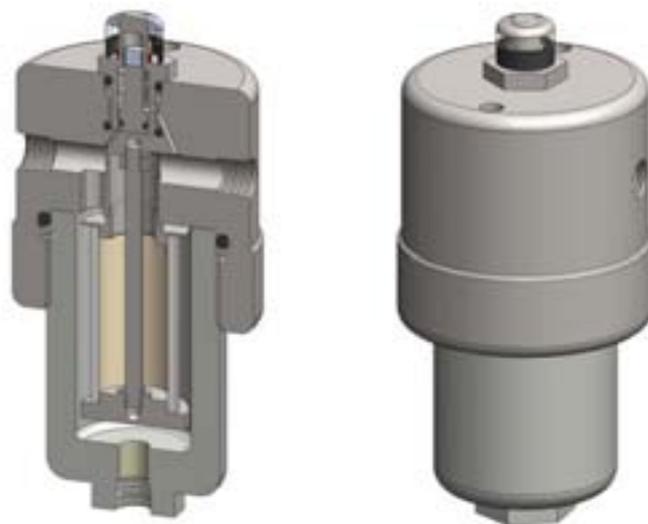
Materials	316L Stainless Steel
Pressure	400 Bar
Ports	1/4" or 1/2"
Element	25.64.□

SiS218 series filter housings with differential pressure indicator are specified for 400 Bar 1/4" line size and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS238 series housings should be considered. For applications up to 100 Bar see the SS215 series and for up to 200 Bar see the SS216 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS218.201	SiS218.221	SiS218.401	SiS218.421	SiS218.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	400	400	400	400	400
Maximum Temperature, °C (1)	100	100	100	100	100
Materials of Construction (2)					
Head, Bowl & Internals	316L SS				
Seal (3)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (4)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (5)	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm					
Diameter	85	85	85	85	85
Height	180	180	180	180	180
Volume, cc	160	160	160	160	160
Weight, kg	4.7	4.7	4.7	4.7	4.7
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSiS218	MBSiS218	MBSiS218	MBSiS218	MBSiS218

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS218.221.E)
- (4) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20
- (5) Replace the □ with the type required, e.g. 25.64.AD01
- (6) Change part number to SeS218 for the electrical DPI version

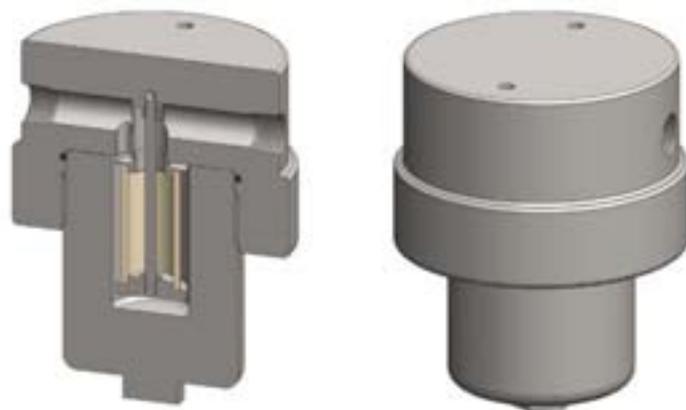
Materials	316L Stainless Steel
Pressure	700 Bar
Ports	1/4" or 1/2"
Element	25.64.□

SS219 series filter housings are specified for 700 Bar 1/4" line size applications and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS239 series housings should be considered. For applications at lower pressures see the SS215, SS216, and SS218 series housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS219.201	SS219.221	SS219.401	SS219.421	SS219.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	700	700	700	700	700
Maximum Temperature, °C (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (6)	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm					
Diameter	140	140	140	140	140
Height	186.5	186.5	186.5	186.5	186.5
Volume, cc	175	175	175	175	175
Weight, kg	16.2	16.2	16.2	16.2	16.2
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSS219	MBSS219	MBSS219	MBSS219	MBSS219

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS219.221.T)
- (5) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20
- (6) Replace the □ with the type required, e.g. 25.64.AD01

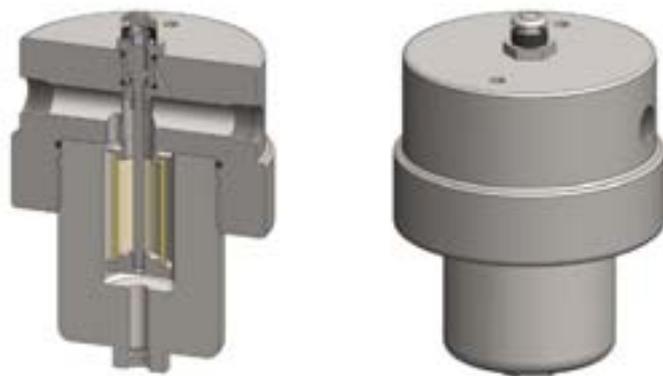
Materials	316L Stainless Steel
Pressure	700 Bar
Ports	1/4" or 1/2"
Element	25.64.□

SiS219 series filter housings with differential pressure indicator are specified for 700 Bar 1/4" line size and for 1/2" applications where response time must be kept short. If the flow rate or contamination is high, or where service intervals must be kept as long as possible, SS239 series housings should be considered. For applications at lower pressures see the SS215, SS216, and SS218 series housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS219.201	SiS219.221	SiS219.401	SiS219.421	SiS21.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	700	700	700	700	700
Maximum Temperature, °C (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (6)	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm					
Diameter	140	140	140	140	140
Height	208.5	201.5	201.5	201.5	201.5
Volume, cc	175	175	175	175	175
Weight, kg	16.2	16.2	16.2	16.2	16.2
Accessories					
Support Core	SCSS21	SCSS21	SCSS21	SCSS21	SCSS21
Mounting Bracket	MBSiS219	MBSiS219	MBSiS219	MBSiS219	MBSiS219

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS219.221.E)
- (4) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20
- (5) Replace the □ with the type required, e.g. 25.64.AD01
- (6) Change part number to SeS219 for the electrical DPI version

Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/4" or 1/2"
Element 25.178.□

SG231 and SS231 series filter housings are specified for 1/4" & 1/2" line size applications at low pressure. For applications over 10 Bar the SS235 housings are available. The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	SG231.211	SG231.221	SG231.411	SG231.421	SS232.211	SS232.221	SS232.411	SS232.421
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	1/8" NPT	1/4" NPT						
Maximum Pressure, Bar (1)	7	7	7	7	10	10	10	10
Maximum Temperature, °C (2)	100	100	100	100	200	200	200	200
Materials of Construction (3)								
Head & Internals	316L SS							
Bowl	Pyrex	Pyrex	Pyrex	Pyrex	316L SS	316L SS	316L SS	316L SS
Seal (4)	Viton							
Filter Elements Code (5)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (6)	25.178.AD□							
Principal Dimensions in mm								
Diameter	56	56	56	56	56	56	56	56
Height	245	245	245	245	245	245	245	245
Volume, cc	250	250	250	250	250	250	250	250
Weight, kg	1.25	1.25	1.25	1.25	1.3	1.3	1.3	1.3
Accessories								
Support Core	SCSS23							
Mounting Bracket	MBSS21							

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature (not SG types)
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG231.221.T)
- (5) Replace the □ with the grade required, e.g. 25.178.SCK, 25.178.S20V, 25.178.T20
- (6) Replace the □ with the type required, e.g. 25.178.AD01

Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1/4" or 1/2"
Element	25.178.□

SS235 series filter housings are specified for 1/4" & 1/2" line size applications where contamination or the flow rate is high. Higher pressure versions are available for applications over 100 Bar, see the SS236 and SS238 series housings. The SS215 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS235.201	SS235.221	SS235.401	SS235.421	SS235.441	SS235.501	SS235.521	SS235.541
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100	100	100	100
Maximum Temperature, °C (2)	200	200	200	200	200	200	200	200
Materials of Construction (3)								
Head, Bowl & Internals	316L SS							
Seal (4)	Viton							
Filter Elements Code (5)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (6)	25.178.AD□							
Principal Dimensions in mm								
Diameter	60	60	60	60	60	70	70	70
Height	241.5	241.5	241.5	241.5	241.5	255.5	255.5	255.5
Volume, cc	265	265	265	265	265	270	270	270
Weight, kg	1.95	1.95	1.95	1.95	1.95	2.95	2.95	2.95
Accessories								
Support Core	SCSS23							
Mounting Bracket	MBSS21							

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS235.221.T)
- (5) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20
- (6) Replace the □ with the type required, e.g. 25.178.AD01

Materials 316L Stainless Steel
Pressure 100 Bar
Ports 1/4" or 1/2"
Element 25.178.□

SiS235 series filter housings with differential pressure indicator are specified for 1/4" & 1/2" line size applications where contamination or flow rate is high. Higher pressure versions are available for applications over 100 Bar, see the SS236 and SS238 series housings. The SS215 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS235.201	SiS235.221	SiS235.401	SiS235.421	SiS235.441	SiS235.501	SiS235.521	SiS235.541
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	100	100	100	100	100	100	100	100
Maximum Temperature, °C (1)	100	100	100	100	100	100	100	100
Materials of Construction (2)								
Head, Bowl & Internals	316L SS							
Seal (3)	Viton							
Filter Elements Code (4)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (5)	25.178.AD□							
Principal Dimensions in mm								
Diameter	60	60	60	60	60	70	70	70
Height	281	281	281	281	281	295	295	295
Volume, cc	265	265	265	265	265	270	270	270
Weight, kg	2.4	2.4	2.4	2.4	2.4	4.0	4.0	4.0
Accessories								
Support Core	SCSS23							
Mounting Bracket	MBSiS21							

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS235.221.E)
- (4) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20
- (5) Replace the □ with the type required, e.g. 25.178.AD01
- (6) Change part number to SeS235 for the electrical DPI version

SV235

Inverted Coalescing Filter Housing

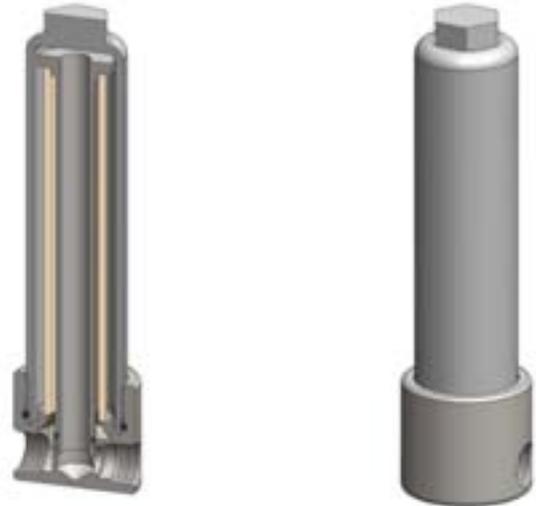
Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1/4" or 1/2"
Element	25.178.□

SV235 series filter housings are specified for 1/4" & 1/2" line size coalescing applications. The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element and the element remains vertical which is the correct orientation for efficient coalescing.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SV235.221	SV235.421
Port Size	1/4" NPT	1/2" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, °C (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seal (4)	Viton	Viton
Filter Elements Code (5)	25.178.□	25.178.□
Principal Dimensions in mm		
Diameter	63	63
Height	241	241
Volume, cc	265	265
Weight, kg	2.05	2.05
Accessories		
Mounting Bracket	MBSV215	MBSV215

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SV235.221.E)

(5) Replace the □ with the grade required, e.g. 25.178.5CK

Materials 316L Stainless Steel
Pressure 200 Bar
Ports 1/4" or 1/2"
Element 25.178.□

SS236 series filter housings are specified for 200 Bar 1/4" & 1/2" applications where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For applications less than 100 Bar see the SS235 series and for over 200 Bar see the SS238 series housings. The SS216 series offers a more compact design for lower flows.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS236.201	SS236.221	SS236.401	SS236.421	SS236.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200
Maximum Temperature, °C (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (6)	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□
Principal Dimensions in mm					
Diameter	64	64	64	64	64
Height	248.5	248.5	248.5	248.5	248.5
Volume, cc	285	285	285	285	285
Weight, kg	3.05	3.05	3.05	3.05	3.05
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS236.221.T)
- (5) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20
- (6) Replace the □ with the type required, e.g. 25.178.AD01

Materials 316L Stainless Steel
Pressure 200 Bar
Ports 1/4" or 1/2"
Element 25.178.□

SiS236 series filter housings with differential pressure indicator are specified for 1/4" and 1/2" applications up to 200 Bar where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For applications less than 100 Bar see the SS235 series and for over 200 Bar see the SS238 series housings. The SS216 series offers a more compact design for lower flows.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS236.201	SiS236.221	SiS236.401	SiS236.421	SiS236.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200	200	200	200
Maximum Temperature, °C (1)	100	100	100	100	100
Materials of Construction (2)					
Head, Bowl & Internals	316L SS				
Seal (3)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (4)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (5)	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□
Principal Dimensions in mm					
Diameter	64	64	64	64	64
Height	287.5	287.5	287.5	287.5	287.5
Volume, cc	285	285	285	285	285
Weight, kg	3.6	3.6	3.6	3.6	3.6
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSiS21	MBSiS21	MBSiS21	MBSiS21	MBSiS21

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS236.221.E)
- (4) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20
- (5) Replace the □ with the type required, e.g. 25.178.AD01
- (6) Change part number to SeS236 for the electrical DPI version

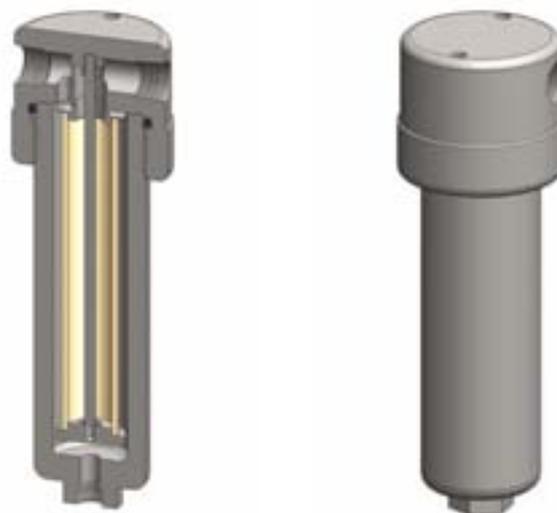
Materials 316L Stainless Steel
Pressure 400 Bar
Ports 1/4" or 1/2"
Element 25.178.□

SS238 series filter housings are specified for 400 Bar 1/4" & 1/2" applications where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For applications up to 100 Bar see the SS235 series housings and for up to 200 Bar see the SS236 series. The SS218 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS238.201	SS238.221	SS238.401	SS238.421	SS238.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400
Maximum Temperature, °C (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (6)	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□
Principal Dimensions in mm					
Diameter	85	85	85	85	85
Height	264	264	264	264	264
Volume, cc	320	320	320	320	320
Weight, kg	3.75	3.75	3.75	3.75	3.75
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS218	MBSS218	MBSS218	MBSS218	MBSS218

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS238.221.T)
- (5) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20
- (6) Replace the □ with the type required, e.g. 25.178.AD01

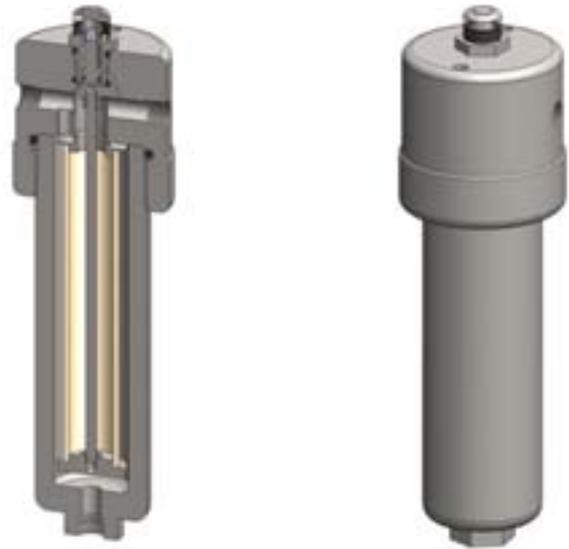
Materials 316L Stainless Steel
Pressure 400 Bar
Ports 1/4" or 1/2"
Element 25.178.□

SiS238 series filter housings with differential pressure indicator are specified for 400 Bar 1/4" & 1/2" applications where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For applications up to 100 Bar see the SS235 series housings and for up to 200 Bar see the SS236 series. The SS218 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS238.201	SiS238.221	SiS238.401	SiS238.421	SiS238.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	400	400	400	400	400
Maximum Temperature, °C (1)	100	100	100	100	100
Materials of Construction (2)					
Head, Bowl & Internals	316L SS				
Seal (3)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (4)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (5)	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□
Principal Dimensions in mm					
Diameter	85	85	85	85	85
Height	297	297	297	297	297
Volume, cc	320	320	320	320	320
Weight, kg	6.4	6.4	6.4	6.4	6.4
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSiS218	MBSiS218	MBSiS218	MBSiS218	MBSiS218

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS238.221.E)
- (4) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20
- (5) Replace the □ with the type required, e.g. 25.178.AD01
- (6) Change part number to SeS236 for the electrical DPI version

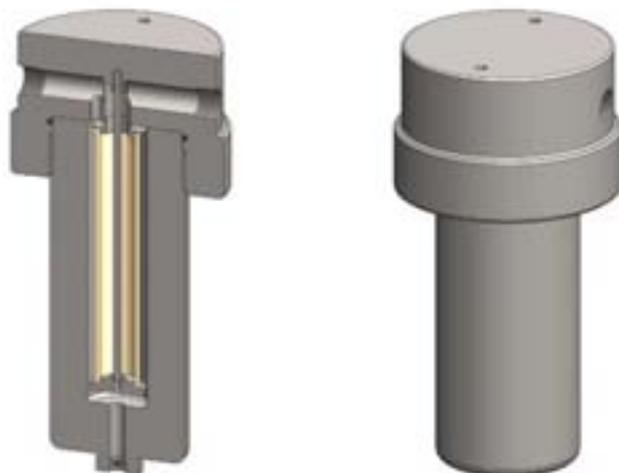
Materials	316L Stainless Steel
Pressure	700 Bar
Ports	1/4" or 1/2"
Element	25.178.□

SS239 series filter housings are specified for 700 Bar 1/4" and 1/2" line size applications where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For lower pressures see the SS215, SS216, and SS218 series housings. The SS219 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS239.201	SS239.221	SS239.401	SS239.421	SS239.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	700	700	700	700	700
Maximum Temperature, °C (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (6)	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□
Principal Dimensions in mm					
Diameter	140	140	140	140	140
Height	300.5	300.5	300.5	300.5	300.5
Volume, cc	350	350	350	350	350
Weight, kg	21.6	21.6	21.6	21.6	21.6
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS219	MBSS219	MBSS219	MBSS219	MBSS219

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS219.221.T)
- (5) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20
- (6) Replace the □ with the type required, e.g. 25.178.AD01

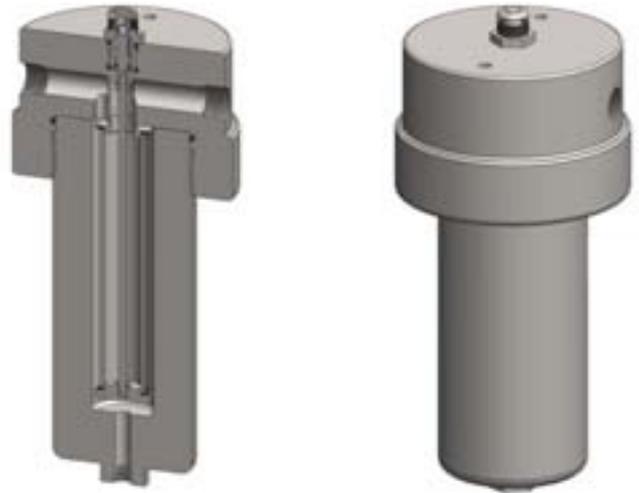
Materials	316L Stainless Steel
Pressure	700 Bar
Ports	1/4" or 1/2"
Element	25.178.□

SiS239 series filter housings with differential pressure indicator are specified for 700 Bar 1/4" and 1/2" line size applications where the flow rate or contamination is high, or where service intervals must be kept as long as possible. For lower pressures see the SS215, SS216, and SS218 series housings. The SS219 series offers a more compact design for lower flow rates.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS239.201	SiS239.221	SiS239.401	SiS239.421	SiS239.441
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	700	700	700	700	700
Maximum Temperature, °C (2)	100	100	100	100	100
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (6)	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□	25.178.AD□
Principal Dimensions in mm					
Diameter	140	140	140	140	140
Height	322.5	322.5	322.5	322.5	322.5
Volume, cc	175	175	175	175	175
Weight, kg	21.6	21.6	21.6	21.6	21.6
Accessories					
Support Core	SCSS23	SCSS23	SCSS23	SCSS23	SCSS23
Mounting Bracket	MBSS219	MBSS219	MBSS219	MBSS219	MBSS219

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SiS239.221.E)
- (4) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20
- (5) Replace the □ with the type required, e.g. 25.178.AD01
- (6) Change part number to SeS239 for the electrical DPI version

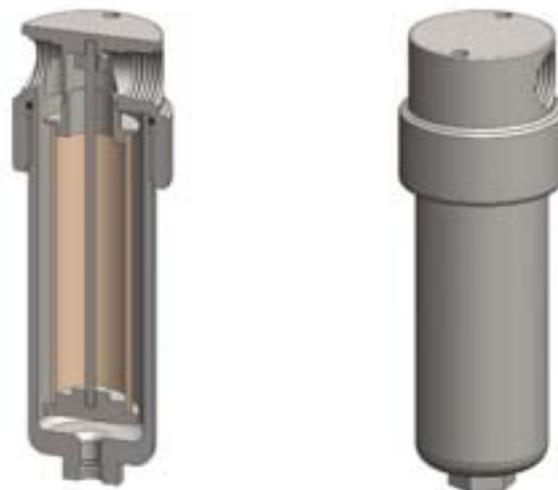
Materials 316L Stainless Steel
Pressure 100 Bar
Ports 3/4" or 1"
Element 38.152.□

SS325 series filter housings are specified for 3/4" and 1" line size applications. For applications over 100 Bar high pressure versions are available, see the SS326 and SS328 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS325.501	SS325.521	SS325.541	SS325.601	SS325.621	SS325.641
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100	100
Maximum Temperature, °C (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS					
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□
Adsorber Cartridge Code (6)	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□
Principal Dimensions in mm						
Diameter	75	75	75	75	75	75
Height	244	244	244	244	244	244
Volume, cc	650	650	650	650	650	650
Weight, kg	4.0	4.0	4.0	4.0	4.0	4.0
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSS325	MBSS325	MBSS325	MBSS325	MBSS325	MBSS325

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS325.501.T)
- (5) Replace the □ with the grade required, e.g. 38.152.SCK, 38.152.S20V, 38.152.T20
- (6) Replace the □ with the type required, e.g. 38.152.AD01

Materials 316L Stainless Steel
Pressure 100 Bar
Ports 3/4" or 1"
Element 38.152.□

SS325 series filter housings with differential pressure indicator are specified for 3/4" & 1" line size applications. For applications over 100 Bar high pressure versions are available, see the SS326 and SS328 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS325.501	SiS325.521	SiS325.541	SiS325.601	SiS325.621	SiS325.641
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	100	100	100	100	100	100
Maximum Temperature, °C (1)	100	100	100	100	100	100
Materials of Construction (2)						
Head, Bowl & Internals	316L SS					
Seal (3)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (4)	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□
Adsorber Cartridge Code (5)	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□
Principal Dimensions in mm						
Diameter	75	75	75	75	75	75
Height	284	284	284	284	284	284
Volume, cc	650	650	650	650	650	650
Weight, kg	4.8	4.8	4.8	4.8	4.8	4.8
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBISS325	MBISS325	MBISS325	MBISS325	MBISS325	MBISS325

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS325.501.E)
- (4) Replace the □ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20
- (5) Replace the □ with the type required, e.g. 38.152.AD01
- (6) Change part number to SeS325 for the electrical DPI version

Materials 316L Stainless Steel
Pressure 200 Bar
Ports 3/4" or 1"
Element 38.152.□

SS326 series filter housings are specified for 200 Bar 3/4" and 1" line size applications. For applications less than 100 Bar see the SS325 series and for over 200 Bar see the SS328 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS326.501	SS326.521	SS326.541	SS326.601	SS326.621	SS326.641
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200	200
Maximum Temperature, °C (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS					
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□
Adsorber Cartridge Code (6)	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□
Principal Dimensions in mm						
Diameter	90	90	90	90	90	90
Height	253	253	253	253	253	253
Volume, cc	670	670	670	670	670	670
Weight, kg	6.2	6.2	6.2	6.2	6.2	6.2
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSS326	MBSS326	MBSS326	MBSS326	MBSS326	MBSS326

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS326.501.T)
- (5) Replace the □ with the grade required, e.g. 38.152.SCK, 38.152.S20V, 38.152.T20
- (6) Replace the □ with the type required, e.g. 38.152.AD01

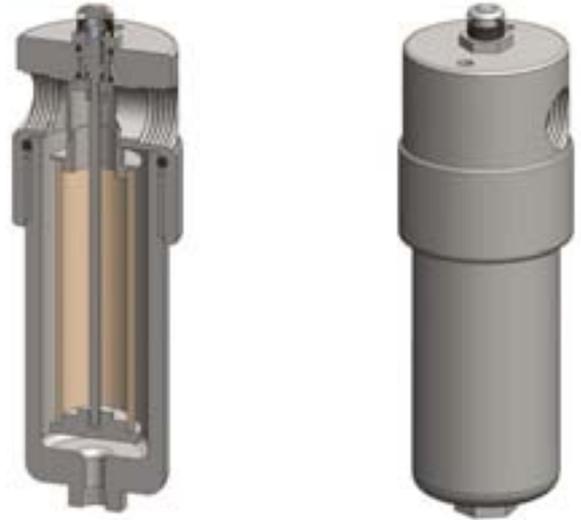
Materials 316L Stainless Steel
Pressure 200 Bar
Ports 3/4" or 1"
Element 38.152.□

SiS326 series filter housings with differential pressure indicator are specified for 200 Bar 3/4" and 1" line size applications. For applications less than 100 Bar see the SS325 series and for over 200 Bar see the SS328 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS326.501	SiS326.521	SiS326.541	SiS326.601	SiS326.621	SiS326.641
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200	200	200	200	200
Maximum Temperature, °C (1)	100	100	100	100	100	100
Materials of Construction (2)						
Head, Bowl & Internals	316L SS					
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (4)	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□
Adsorber Cartridge Code (5)	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□
Principal Dimensions in mm						
Diameter	90	90	90	90	90	90
Height	290	290	290	290	290	290
Volume, cc	670	670	670	670	670	670
Weight, kg	7.5	7.5	7.5	7.5	7.5	7.5
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSIS326	MBSIS326	MBSIS326	MBSIS326	MBSIS326	MBSIS326

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS326.501.E)
- (4) Replace the □ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20
- (5) Replace the □ with the type required, e.g. 38.152.AD01
- (6) Change part number to SeS326 for the electrical DPI version

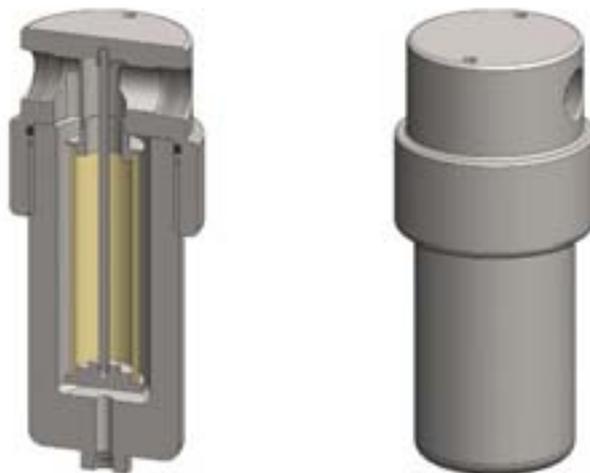
Materials 316L Stainless Steel
Pressure 400 Bar
Ports 3/4" or 1"
Element 38.152.□

SS328 series filter housings are specified for 400 Bar 3/4" and 1" line size applications. For applications up to 100 Bar see the SS325 series and for up to 200 Bar see the SS326 series.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS328.501	SS328.521	SS328.541	SS328.601	SS328.621	SS328.641
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400	400
Maximum Temperature, °C (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS					
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□
Adsorber Cartridge Code (6)	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□
Principal Dimensions in mm						
Diameter	110	110	110	110	110	110
Height	287	287	287	287	287	287
Volume, cc	710	710	710	710	710	710
Weight, kg	15.9	15.9	15.9	15.9	15.9	15.9
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSS328	MBSS328	MBSS328	MBSS328	MBSS328	MBSS328

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS328.501.T)
- (5) Replace the □ with the grade required, e.g. 38.152.SCK, 38.152.S20V, 38.152.T20
- (6) Replace the □ with the type required, e.g. 38.152.AD01

Materials	316L Stainless Steel
Pressure	400 Bar
Ports	3/4" or 1"
Element	38.152.□

The SS328 series filter housings with differential pressure indicator are specified for 400 Bar 3/4" and 1" line size applications. For applications up to 100 Bar see the SS325 series and for up to 200 Bar see the SS326 series.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SiS328.501	SiS328.521	SiS328.541	SiS328.601	SiS328.621	SiS328.641
Port Size	3/4" NPT	3/4" NPT	3/4" NPT	1" NPT	1" NPT	1" NPT
Drain	None	1/4" NPT	1/2" NPT	None	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	400	400	400	400	400	400
Maximum Temperature, °C (1)	100	100	100	100	100	100
Materials of Construction (2)						
Head, Bowl & Internals	316L SS					
Seal (3)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (4)	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□	38.152.□
Adsorber Cartridge Code (5)	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□	38.152.AD□
Principal Dimensions in mm						
Diameter	110	110	110	110	110	110
Height	319	319	319	319	319	319
Volume, cc	710	710	710	710	710	710
Weight, kg	16.9	16.9	16.9	16.9	16.9	16.9
Accessories						
Support Core	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32	SCSS32
Mounting Bracket	MBSiS328	MBSiS328	MBSiS328	MBSiS328	MBSiS328	MBSiS328

Notes

- (1) Maximum temperature 100°C due to differential pressure indicator
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS328.501.E)
- (4) Replace the □ with the grade required, e.g. 38.152.5CK, 38.152.S20V, 38.152.T20
- (5) Replace the □ with the type required, e.g. 38.152.AD01
- (6) Change part number to SeS328 for the electrical DPI version

Materials	316L SS & Pyrex
Pressure	7 Bar
Ports	3/4" or 1"
Element	51.230.□

SG421 series filter housings are specified for low pressure 3/4" and 1" line size applications up to 7 bar.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	SG421.521	SG421.621
Port Size	3/4" NPT	1" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, °C	100	100
Materials of Construction (1)		
Head & Internals	316L SS	316L SS
Bowl	Pyrex	Pyrex
Seals (2)	Viton	Viton
Filter Elements Code (3)	51.230.□	51.230.□
Adsorber Cartridge Code (4)	51.230.AD□	51.230.AD□
Principal Dimensions in mm		
Diameter	90	90
Height	346	346
Volume, cc	950	950
Weight, kg	3.5	3.5
Accessories		
Support Core	SCSS42	SCSS42
Mounting Bracket	MBSS42	MBSS42

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SG421.521.N)

(3) Replace the □ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(4) Replace the □ with the type required, e.g. 51.230.AD01

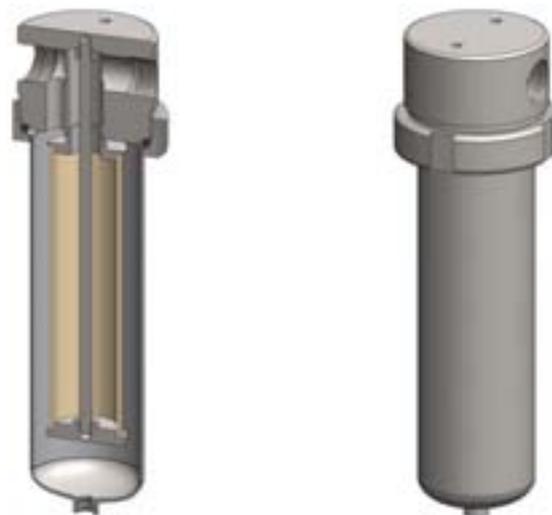
Materials	316L Stainless Steel
Pressure	34 Bar
Ports	3/4" or 1"
Element	51.230.□

SS424 series filter housings are specified for 3/4" and 1" line size applications up to 34 bar. For applications over 34 Bar higher pressure versions are available, see the SS425, SS426, and SS428 filter housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS424.521	SS424.621
Port Size	3/4" NPT	1" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (1)	34	34
Maximum Temperature, °C (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seal (4)	Viton	Viton
Filter Elements Code (5)	51.230.□	51.230.□
Adsorber Cartridge Code (6)	51.230.AD□	51.230.AD□
Principal Dimensions in mm		
Diameter	110	110
Height	388	643
Volume, cc	1350	1350
Weight, kg	7.8	7.8
Accessories		
Support Core	SCSS42	SCSS42
Mounting Bracket	MBSS42	MBSS42

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS424.521.N)

(5) Replace the □ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(6) Replace the □ with the type required, e.g. 51.230.AD01

SS425 & SHS425 Filter Housing

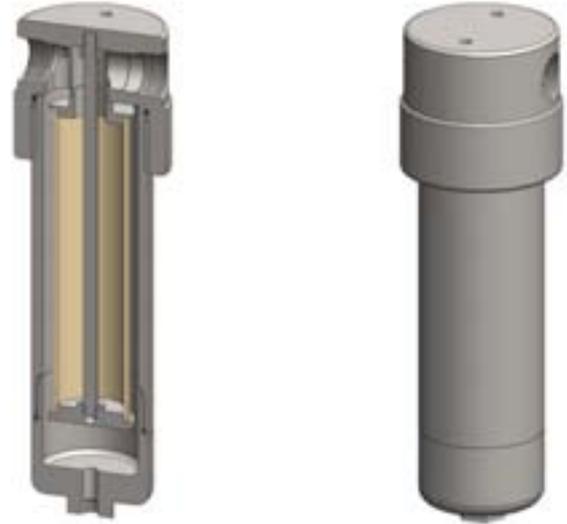
Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1" to 2"
Element	51.230.□

SS425 series filter housings are specified for 1" line size applications up to 100 bar. The SHS425 series are for 1&1/2" and 2" applications and are designed to have a full bore flow path to give higher flow rates. For applications over 100 Bar high pressure versions are available, see the SS426 and SS428 filter housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS425.621	SS425.641	SHS425.721	SHS425.741	SHS425.821	SHS425.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100	100
Maximum Temperature, °C (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS					
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	51.230.□	51.230.□	51.230.□	51.230.□	51.230.□	51.230.□
Adsorber Cartridge Code (6)	51.230.AD□	51.230.AD□	51.230.AD□	51.230.AD□	51.230.AD□	51.230.AD□
Principal Dimensions in mm						
Diameter	110	110	180	180	180	180
Height	388	388	396	396	406	406
Volume, cc	1350	1350	1550	1550	1550	1550
Weight, kg	7.8	7.8	24.5	25.5	27.5	27.5
Accessories						
Support Core	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42
Mounting Bracket	MBSS42	MBSS42	MBSHS42	MBSHS42	MBSHS42	MBSHS42

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = .N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS425.621.N)

(5) Replace the □ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(6) Replace the □ with the type required, e.g. 51.230.AD01

SS426 & SHS426 Filter Housing

Materials	316L Stainless Steel
Pressure	200 Bar
Ports	1" to 2"
Element	51.230.□

SS426 series filter housings are specified for 1" line size applications up to 200 bar. The SHS426 series are for 1&1/2" and 2" applications and are designed to have a full bore flow path to give higher flow rates. For applications over 200 Bar high pressure versions are available, see the SS428 filter housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS426.621	SS426.641	SHS426.721	SHS426.741	SHS426.821	SHS426.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200	200
Maximum Temperature, °C (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS					
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	51.230.□	51.230.□	51.230.□	51.230.□	51.230.□	51.230.□
Adsorber Cartridge Code (6)	51.230.AD□	51.230.AD□	51.230.AD□	51.230.AD□	51.230.AD□	51.230.AD□
Principal Dimensions in mm						
Diameter	110	110	180	180	180	180
Height	388	388	418	418	428	428
Volume, cc	1400	1400	1450	1450	1450	1450
Weight, kg	7.8	7.8	38	38	41	41
Accessories						
Support Core	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42
Mounting Bracket	MBSS42	MBSS42	MBSHS42	MBSHS42	MBSHS42	MBSHS42

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = .N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS425.621.N)

(5) Replace the □ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(6) Replace the □ with the type required, e.g. 51.230.AD01

SS428 & SHS428 Filter Housing

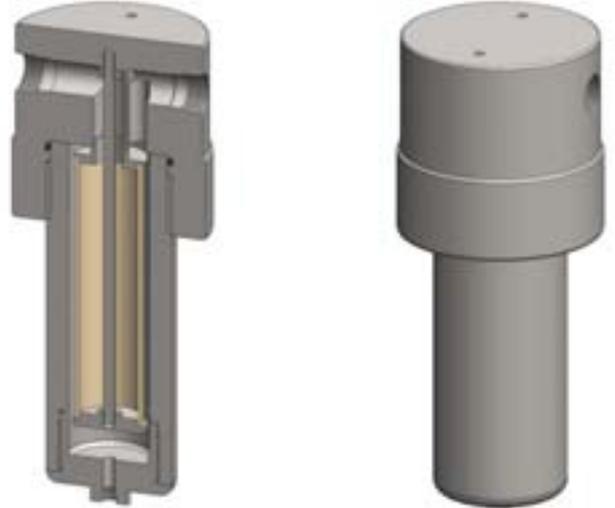
Materials	316L Stainless Steel
Pressure	400 Bar
Ports	1" to 2"
Element	51.230.□

SS428 series filter housings are specified for 1" line size applications up to 400 bar. The SHS428 series are for 1&1/2" and 2" applications and are designed to have a full bore flow path to give higher flow rates. For applications less than 200 bar see the SS425 and SS426 series filter housings.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS428.621	SS428.641	SHS428.721	SHS428.741	SHS428.821	SHS428.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400	400
Maximum Temperature, °C (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS					
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	51.230.□	51.230.□	51.230.□	51.230.□	51.230.□	51.230.□
Adsorber Cartridge Code (6)	51.230.AD□	51.230.AD□	51.230.AD□	51.230.AD□	51.230.AD□	51.230.AD□
Principal Dimensions in mm						
Diameter	164	164	200	200	200	200
Height	409	409	488	488	498	498
Volume, cc	1450	1450	1500	1500	1500	1500
Weight, kg	38	38	64	64	67	67
Accessories						
Support Core	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42	SCSS42
Mounting Bracket	MBSS42	MBSS42	MBSHS428	MBSHS428	MBSHS428	MBSHS428

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = .N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS428.621.N)

(5) Replace the □ with the grade required, e.g. 51.230.5CK, 51.230.S20V, 51.230.T20

(6) Replace the □ with the type required, e.g. 51.230.AD01

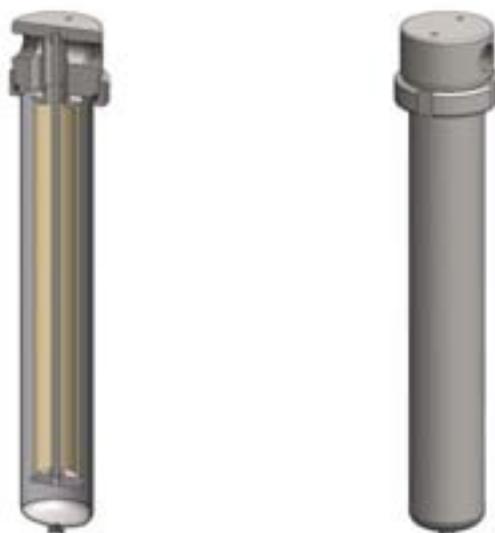
Materials	316L Stainless Steel
Pressure	34 Bar
Ports	3/4" or 1"
Element	51.476.□

SS129 series filter housings are specified for 1/8" & 1/4" line size applications up to 700 Bar where the flow rate or contamination is higher, or where service intervals must be kept as long as possible. SS119 series housings should be considered for applications where response time is critical. For applications less than 340 Bar see the SS127 series housings.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS434.521	SS434.621
Port Size	3/4" NPT	1" NPT
Drain	1/4" NPT	1/4" NPT
Maximum Pressure, Bar (1)	34	34
Maximum Temperature, °C (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seal (4)	Viton	Viton
Filter Elements Code (5)	51.476.□	51.476.□
Adsorber Cartridge Code (6)	51.476.AD□	51.476.AD□
Principal Dimensions in mm		
Diameter	110	110
Height	638	638
Volume, cc	2450	2450
Weight, kg	8.9	8.9
Accessories		
Support Core	SCSS43	SCSS43
Mounting Bracket	MBSS42	MBSS42

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS434.521.T)
- (5) Replace the □ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20
- (6) Replace the □ with the type required, e.g. 51.476.AD01

SS435 & SHS435 Filter Housing

Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1" to 2"
Element	51.476.□

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS425.621	SS425.641	SHS425.721	SHS425.741	SHS425.821	SHS425.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100	100	100	100	100
Maximum Temperature, °C (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS					
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	51.476.□	51.476.□	51.476.□	51.476.□	51.476.□	51.476.□
Adsorber Cartridge Code (6)	51.476.AD□	51.476.AD□	51.476.AD□	51.476.AD□	51.476.AD□	51.476.AD□
Principal Dimensions in mm						
Diameter	110	110	180	180	180	180
Height	368	368	642	642	652	652
Volume, cc	2350	2350	2450	2450	2450	2450
Weight, kg	16.3	16.3	28	28	31	31
Accessories						
Support Core	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43
Mounting Bracket	MBSS42	MBSS42	MBSHS42	MBSHS42	MBSHS42	MBSHS42

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = .N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS435.621.N)

(5) Replace the □ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20

(6) Replace the □ with the type required, e.g. 51.476.AD01

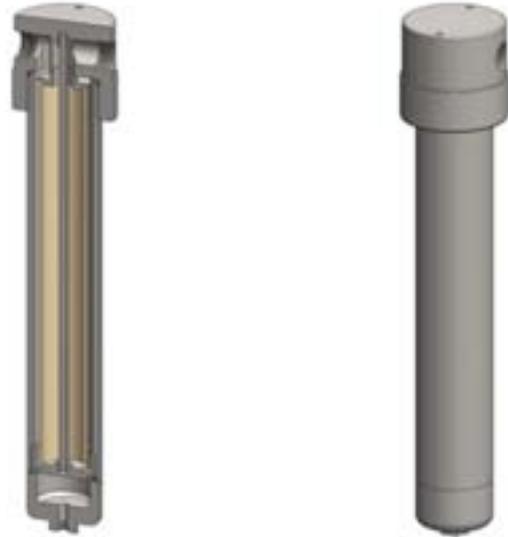
SS436 & SHS436 Filter Housing

Materials	316L Stainless Steel
Pressure	200 Bar
Ports	1" to 2"
Element	51.476.□

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS426.621	SS426.641	SHS426.721	SHS426.741	SHS426.821	SHS426.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	200	200	200	200	200	200
Maximum Temperature, °C (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS					
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	51.476.□	51.476.□	51.476.□	51.476.□	51.476.□	51.476.□
Adsorber Cartridge Code (6)	51.476.AD□	51.476.AD□	51.476.AD□	51.476.AD□	51.476.AD□	51.476.AD□
Principal Dimensions in mm						
Diameter	120	120	180	180	180	180
Height	625	625	664	664	674	674
Volume, cc	2500	2500	2550	2550	2550	2550
Weight, kg	18.9	18.9	42	42	45	45
Accessories						
Support Core	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43
Mounting Bracket	MBSS42	MBSS42	MBSHS42	MBSHS42	MBSHS42	MBSHS42

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, Chemraz = .C, Nitrile = .N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS435.621.N)

(5) Replace the □ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20

(6) Replace the □ with the type required, e.g. 51.476.AD01

SS438 & SHS438 Filter Housing

Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1" to 2"
Element	51.476.□

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SS438.621	SS438.641	SHS438.721	SHS438.741	SHS438.821	SHS438.841
Port Size	1" NPT	1" NPT	1&1/2" NPT	1&1/2" NPT	2" NPT	2" NPT
Drain	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	400	400	400	400	400	400
Maximum Temperature, °C (2)	200	200	200	200	200	200
Materials of Construction (3)						
Head, Bowl & Internals	316L SS					
Seal (4)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	51.476.□	51.476.□	51.476.□	51.476.□	51.476.□	51.476.□
Adsorber Cartridge Code (6)	51.476.AD□	51.476.AD□	51.476.AD□	51.476.AD□	51.476.AD□	51.476.AD□
Principal Dimensions in mm						
Diameter	164	164	200	200	200	200
Height	655	655	734	734	744	744
Volume, cc	2550	2550	2600	2600	2600	2600
Weight, kg	49	49	86	86	89	89
Accessories						
Support Core	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43	SCSS43
Mounting Bracket	MBSS42	MBSS42	MBSHS428	MBSHS428	MBSHS428	MBSHS428

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SS438.621.N)
- (5) Replace the □ with the grade required, e.g. 51.476.5CK, 51.476.S20V, 51.476.T20
- (6) Replace the □ with the type required, e.g. 51.476.AD01

HST Series

Heatable Filter Housing

Materials	316L SS
Pressure	7 Bar
Ports	1/8" or 1/4"
Element	12.32.□ to 25.178.□

The HST series filter housings are designed for hot gas analysis, for example diesel exhaust. The housings can be heated by fitting a suitable heater to the body, installing in a heated enclosure. The bayonet connection allows fast filter element service even at operating temperatures.

The housings have the inlet and outlet ports in the side of the housing and a tie rod & element retainer.

Standard housings have NPT ports and include silicone gaskets. Viton gaskets are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	HST111.101	HST111.201	HST121.101	HST121.201	HST211.201	HST231.201
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	200	200	200	200	200	200
Port Position	Sides	Sides	Sides	Sides	Sides	Sides
Internals Type	Tie Rod					
Materials of Construction (1)						
Head & Internals	316L SS					
Seals (2)	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone
Filter Elements Code (3)	12.32.□	12.32.□	12.57.□	12.57.□	25.64.□	25.178.□
Principal Dimensions in mm						
Diameter	40	40	40	40	57	57
Height of Body	93.5	93.5	118.5	118.5	133	247
Length of Handle	45	45	45	45	90	90
Volume, cc	0.4	0.4	0.4	0.4	100	220
Weight, kg	0.5	0.5	0.5	0.5	1.9	2.8

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Viton = V (e.g. HST111.201.V)

(3) Replace the □ with the grade required, e.g. 12.32.5S

HRT Series

Heatable Filter Housing

Materials	316L SS
Pressure	7 Bar
Ports	1/4"
Element	25.64.□ & 25.178.□

The HRT series filter housings are designed for hot gas analysis, for example diesel exhaust. The housings can be heated by fitting a suitable heater to the body, installing in a heated enclosure. The bayonet connection allows fast filter element service even at operating temperatures.

The housings have the inlet and outlet ports in the end of the housing and a tie rod & element retainer.

Standard housings have NPT ports and include silicone gaskets. Viton gaskets are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	HRT211.201	HRT231.201
Port Size	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, °C	200	200
Port Position	End	End
Internals Type	Tie Rod	Tie Rod
Materials of Construction (1)		
Head & Internals	316L SS	316L SS
Seals (2)	Silicone	Silicone
Filter Elements Code (3)	25.64.□	25.178.□
Principal Dimensions in mm		
Diameter	53	53
Height of Body	113	227
Length of Handle	90	90
Volume, cc	100	220
Weight, kg	1.25	2.0

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Viton = V (e.g. HST211.201.V)

(3) Replace the □ with the grade required, e.g. 25.64.5S

HSS Series

Heatable Filter Housing

Materials	316L SS
Pressure	7 Bar
Ports	1/4"
Element	25.64.□ & 25.178.□

The HSS series filter housings are designed for hot gas analysis, for example diesel exhaust. The housings can be heated by fitting a suitable heater to the body, installing in a heated enclosure. The bayonet connection allows fast filter element service even at operating temperatures.

The housings have the inlet and outlet ports in the side of the housing and a support core to hold the element.

Standard housings have NPT ports and include silicone gaskets. Viton gaskets are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	HSS211.201	HSS231.201
Port Size	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, °C	200	200
Port Position	Sides	Sides
Internals Type	Support	Support
Materials of Construction (1)		
Head & Internals	316L SS	316L SS
Seals (2)	Silicone	Silicone
Filter Elements Code (3)	25.64.□	25.178.□
Principal Dimensions in mm		
Diameter	57	57
Height of Body	133	247
Length of Handle	90	90
Volume, cc	100	220
Weight, kg	1.9	2.8

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Viton = V (e.g. HSS211.201.V)

(3) Replace the □ with the grade required, e.g. 25.64.5S

HRS Series

Heatable Filter Housing

Materials	316L SS
Pressure	7 Bar
Ports	1/4"
Element	25.64.□ & 25.178.□

The HRS series filter housings are designed for hot gas analysis, for example diesel exhaust. The housings can be heated by fitting a suitable heater to the body, installing in a heated enclosure. The bayonet connection allows fast filter element service even at operating temperatures.

The housings have the inlet and outlet ports in the end of the housing and a support core to hold the element.

Standard housings have NPT ports and include silicone gaskets. Viton gaskets are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	HRS211.201	HRS231.201
Port Size	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, °C	200	200
Port Position	End	End
Internals Type	Support	Support
Materials of Construction (1)		
Head & Internals	316L SS	316L SS
Seals (2)	Silicone	Silicone
Filter Elements Code (3)	25.64.□	25.178.□
Principal Dimensions in mm		
Diameter	53	53
Height of Body	113	227
Length of Handle	90	90
Volume, cc	100	220
Weight, kg	1.25	2.0

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Viton = V (e.g. HRS211.201.V)

(3) Replace the □ with the grade required, e.g. 25.64.5S

SF Series

Fast Loop (Bypass) Filter Housing

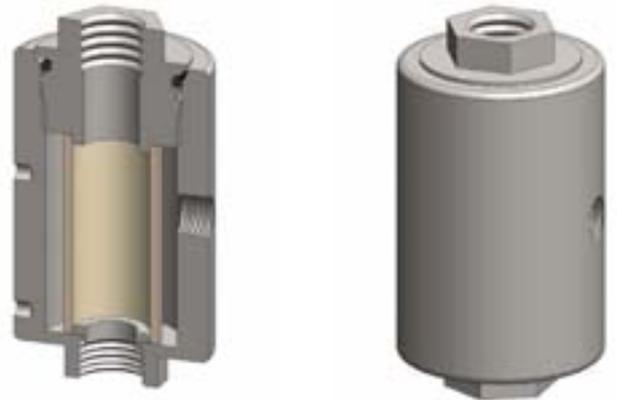
Materials	316L Stainless Steel
Pressure	100 or 350 Bar
Ports	1/4" to 1"
Element	12.32.□ to 51.230.□

The SF series housings are designed for fast loop and bypass applications. The internal volume is kept to a minimum for a fast response time. The straight-through flow design gives a flushes the filter elements to increase the service life.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC where required.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SF117.221	SF127.221	SF215.421	SF235.421	SF435.421
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1" NPT
Sample Outlet	1/4" NPT				
Bar (1)	350	350	100	100	100
Maximum Temperature, °C (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	12.32.□	12.57.□	25.64.□	25.178.□	51.230.□
Principal Dimensions in mm					
Diameter	50	50	63	63	100
Height	71	96	115	232	331
Volume, cc	15	26	95	245	840
Weight, kg	0.8	1.0	1.6	3.3	10.0

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperature up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SL215.421.T)
- (5) Replace the □ with the grade required, e.g. 12.32.5K, 12.32.S20V

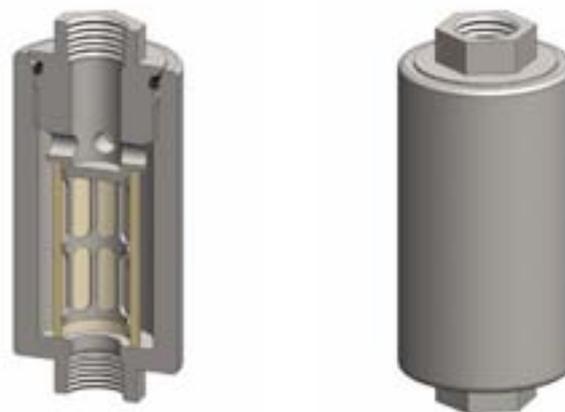
Materials	316L Stainless Steel
Pressure	100 or 350 Bar
Ports	1/4" or 1/2"
Element	12.32.□ to 25.178.□

The SL series filter housings are specified for in-line particulate applications. They are specified for lightly contaminated gases or liquids where service intervals are long or for last-chance or back-up filters.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and are CE marked in accordance with PED 97/23/EC where required.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	SL117.201	SL127.201	SL127.401	SL215.401	SL235.401
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Bar (1)	350	350	350	100	100
Maximum Temperature, °C (2)	200	200	200	200	200
Materials of Construction (3)					
Head, Bowl & Internals	316L SS				
Seal (4)	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (5)	12.32.□	12.57.□	12.57.□	25.64.□	25.178.□
Principal Dimensions in mm					
Diameter	36	36	36	60	60
Height	86	111	112	135	248
Volume, cc	15	25	25	100	245
Weight, kg	0.4	0.5	0.6	1.8	3.0

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal. For temperature up to 324°C use a Chemraz seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SL215.421.T)
- (5) Replace the □ with the grade required, e.g. 12.32.5K, 12.32.S20V

Materials 316L Stainless Steel
Ports 1/8" to 1/4"
Element 12.32.□ to 25.64.□

The SE series filter housings are constructed entirely from 316L stainless steel and supplied with a range of port sizes.

The element is enclosed for protection and the housings are suitable for gas and liquid end of line applications.

These housings have NPT ports as standard.



Technical Specifications

Housing Model	SE110.101	SE110.201	SE120.101	SE120.201	SE210.201	SE210.401
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/2" NPT
Maximum Temperature, °C	200	200	200	200	200	200
Materials of Construction (1)						
Head & Body	316L	316L	316L	316L	316L	316L
Filter Elements Code (3)	12.32.□	12.32.□	12.57.□	12.57.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	12.32.AD□	12.32.AD□	12.57.AD□	12.57.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm						
Diameter	36	36	36	36	48	48
Height	38	38	63	63	71	71
Weight, kg	0.15	0.15	0.2	0.2	0.4	0.4

Notes

(1) Material abbreviations, 316L = 316L Stainless Steel

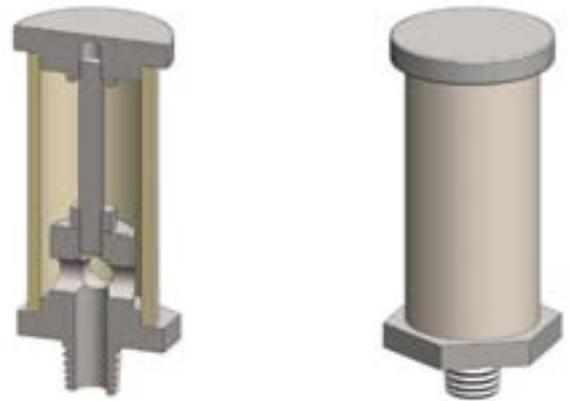
(2) Replace the □ with the grade required, e.g. 12.32.5K, 12.32.S20V, 12.32.T20

Materials 316L Stainless Steel
Ports 1/8" to 1/2"
Element 12.32.□ to 25.64.□

The SO series filter housings are constructed entirely from 316L stainless steel and are supplied with a range of connections.

The housings are suitable for gas and liquid end of line applications.

These housings have NPT male ports as standard.



Technical Specifications

Housing Model	SO110.101	SO110.201	SO120.101	SO120.201	SO210.201	SO210.401	SO230.201	SO230.401
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Maximum Temperature, °C	200	200	200	200	200	200	200	200
Materials of Construction (1)								
Head & Body	316L	316L						
Filter Elements Code (3)	12.32.□	12.32.□	12.57.□	12.57.□	25.64.□	25.64.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	12.32.AD□	12.32.AD□	12.57.AD□	12.57.AD□	25.64.AD□	25.64.AD□	25.178.AD□	25.178.AD□
Principal Dimensions in mm								
Diameter	19	19	19	19	38	38	38	38
Height	40	40	65	65	76	76	190	190
Weight, kg	0.1	0.1	0.1	0.1	0.15	0.15	0.17	0.17

Notes

(1) Material abbreviations, 316L Stainless Steel

(2) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

Materials **316L SS**
Pressure **16 Bar**
Ports **1/8" or 1/4"**

The DN105 automatic drains are used to remove liquids from a coalescing filter housing under positive pressure. The body is constructed from 316L stainless steel and the internals are a proprietary float drain assembly. This housing should only be used in non-corrosive applications as the internals are use polyamide. See the DF105 series for housings that have internals constructed entirely from stainless steel.

The housing has a male inlet port and this always it to be connected directly to the drain port of the coalescing filter housing. Standard housings have NPT ports and include Viton seals. Other seals types are available as an option.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.



Technical Specifications

Housing Model	DN103.111	DN103.221
Port Size	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	16	16
Minimum Pressure, Bar	1	1
Maximum Temperature, °C	80	80
Materials of Construction (1)		
Head & Bowl	316L SS	316L SS
Internals	PA	PA
Seal (2)	Viton	Viton
Principal Dimensions in mm		
Diameter	48	48
Height	95	95
Volume, cc	40	40
Weight, kg	0.65	0.65

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel, PA = Polyamide

(2) Add suffix for other seal types, Nitrile = N, EPDM = .E, Silicone = .S, (e.g. DN103.221.E)

Materials 316L SS
Pressure 100 Bar
Ports 1/8" to 1/2"

The DF105 automatic drains are used to automatically remove liquids from a coalescing filter housing under positive pressure. The body and internals are constructed from 316L stainless steel.

The unique design uses a float and diaphragm system to drain the liquid. The housing has a male inlet port and this is connected directly to the drain port of the coalescing filter housing. Standard housings have NPT ports and include Viton seals. Other seal types are available as an option.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.



Technical Specifications

Housing Model	DF105.111	DF105.221	DF105.441
Port Size	1/8" NPT	1/4" NPT	1/2" NPT
Drain	1/8" NPT	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	100	100	100
Minimum Pressure, Bar	0.7	0.7	0.7
Maximum Temperature, °C	100	100	100
Materials of Construction (1)			
Head, Bowl & Internals	316L SS	316L SS	316L SS
Seal (2)	Viton	Viton	Viton
Principal Dimensions in mm			
Diameter	48	48	48
Height	121	121	121
Volume, cc	48	48	48
Weight, kg	1.0	1.0	1.0

Notes

(1) Material abbreviations, 316L SS = 316L Stainless Steel

(2) Add suffix for other seal types, Nitrile = N, EPDM = .E, (e.g. DF105.221.E)

Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/8" or 1/4"

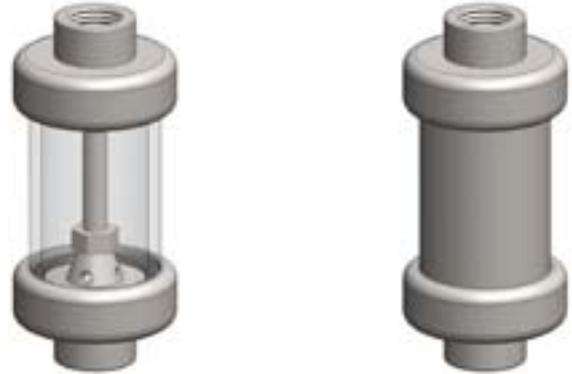
The DG111 & DS112 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	DG111.111	DG111.221	DS112.111	DS112.221
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	10	10
Maximum Temperature, °C (1)	100	100	200	200
Materials of Construction (2)				
Head & Internals	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	89	89	89	89
Volume, cc	25	25	25	25
Weight, kg	0.3	0.3	0.35	0.35

Notes

(1) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal (not DG types)

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG111.221.T)

Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/8" or 1/4"

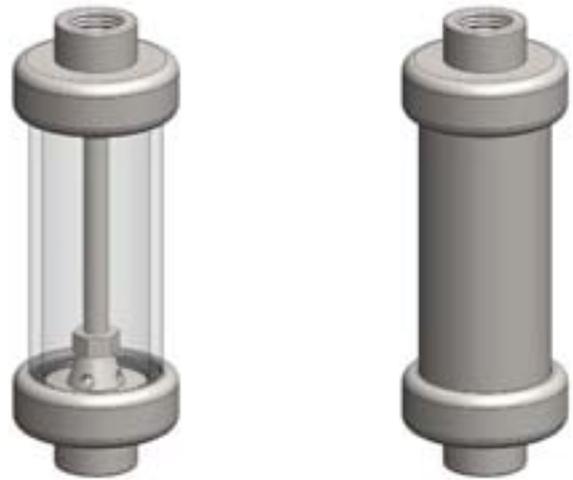
The DG121 & DS122 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	DG121.111	DG121.221	DS122.111	DS122.221
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	10	10
Maximum Temperature, °C (1)	100	100	200	200
Materials of Construction (2)				
Head & Internals	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	114	114	114	114
Volume, cc	35	35	35	35
Weight, kg	0.35	0.35	0.4	0.4

Notes

(1) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal (not DG types)

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = .N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG1211.221.T)

Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/8" or 1/4"

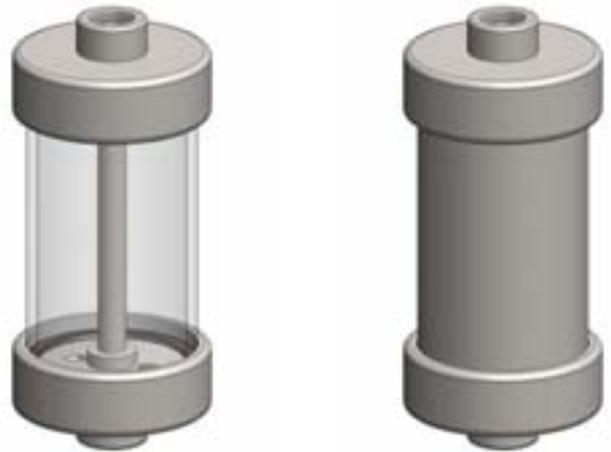
The DG211 & DS212 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	DG211.111	DG211.221	DS212.111	DS212.221
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	10	10
Maximum Temperature, °C (1)	100	100	200	200
Materials of Construction (2)				
Head & Internals	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	114	114	114	114
Volume, cc	105	105	105	105
Weight, kg	0.65	0.65	0.7	0.7

Notes

(1) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal (not DG types)

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG211.221.T)

Materials 316L SS
Pressure 100 Bar
Ports 1/4" or 1/2"

The DS215 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used. They are constructed entirely from 316L stainless steel.

Standard housings have NPT ports and include a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	DS215.221	DS215.441
Port Size	1/4" NPT	1/2" NPT
Drain	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, °C (2)	200	200
Materials of Construction (3)		
Head & Bowl	316L SS	316L SS
Seal (4)	Viton	Viton
Principal Dimensions in mm		
Diameter	63	63
Height	128.5	128.5
Volume, cc	105	105
Weight, kg	1.35	1.35

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG211.221.T)

Materials 316L SS & Pyrex Glass
Pressure 7 & 10 Bar
Ports 1/8" or 1/4"

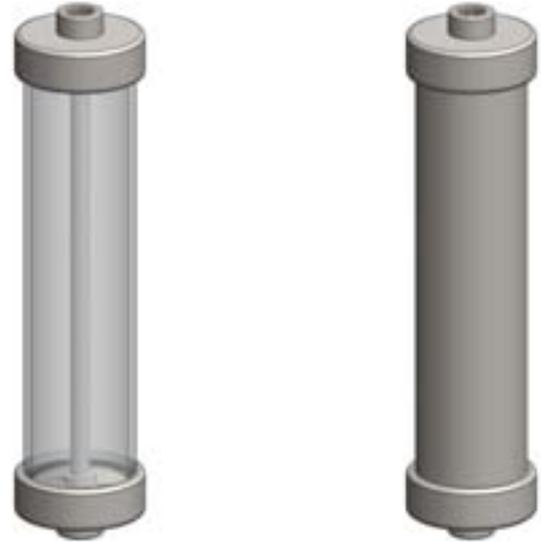
The DG231 & DS232 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used.

The housings are constructed from 316L stainless steel with a stainless steel or Pyrex glass bowl. The Pyrex bowl is also fitted with a bowl guard, this is not shown.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Bowl guard not shown

Technical Specifications

Housing Model	DG231.111	DG231.221	DS232.111	DS232.221
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7	10	10
Maximum Temperature, °C (1)	100	100	200	200
Materials of Construction (2)				
Head & Internals	316L SS	316L SS	316L SS	316L SS
Bowl	Pyrex	Pyrex	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Principal Dimensions in mm				
Diameter	56	56	56	56
Height	239	239	239	239
Volume, cc	255	255	255	255
Weight, kg	0.9	0.9	1.0	1.0

Notes

(1) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal (not DG types)

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DG231.221.T)

Materials 316L SS
Pressure 100 Bar
Ports 1/4" or 1/2"

The DS235 drain vessels are specified to increase the housing capacity in coalescing applications where an automatic float drain cannot be used. They are constructed entirely from 316L stainless steel.

Standard housings have NPT ports and include a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75 and conform to SEP of the PED 97/23/EC.

These housings can also be supplied in a wide range of exotic materials, such as Hastelloy, Monel, Titanium etc.



Technical Specifications

Housing Model	DS235.221	DS235.441
Port Size	1/4" NPT	1/2" NPT
Drain	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, °C (2)	200	200
Materials of Construction (3)		
Head & Bowl	316L SS	316L SS
Seal (4)	Viton	Viton
Principal Dimensions in mm		
Diameter	63	63
Height	241.5	421.5
Volume, cc	255	255
Weight, kg	1.9	1.9

Notes

(1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature

(2) Maximum temperature 200°C using standard seal. For temperatures up to 324°C use a Chemraz seal

(3) Material abbreviations, 316L SS = 316L Stainless Steel

(4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. DS235.221.T)

Materials 316L Stainless Steel
Pressure 100 Bar
Ports 1/16" LV or 1/8"
Membrane MT.19.□

SM015 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM015.1/16LV	SM015.111
Port Size	1/16" Low Vol. Fitting	1/8" NPT
Drain & Bypass Ports	1/16" Low Vol. Fitting	1/8" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.19.□	MT.19.□
Principal Dimensions in mm		
Diameter	63	63
Height	47	47
Volume, cc	10	10
Weight, kg	0.95	0.95
Accessories		
Mounting Bracket	MBSM015	MBSM015

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM015.111.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.19.M2

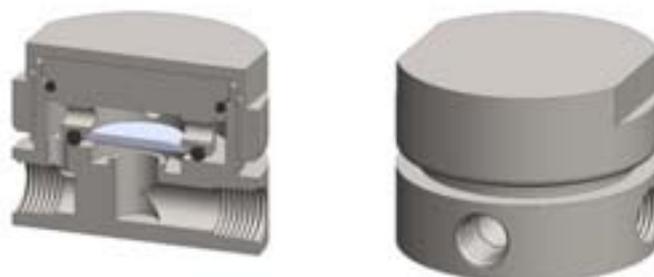
Materials 316L Stainless Steel
Pressure 200 Bar
Ports 1/8" or 1/4"
Membrane MT.33.□

SM106 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM106.111	SM106.111.LB	SM106.221	SM106.221.LB
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	200	200	200	200
Maximum Temperature, °C (1)	150	150	150	150
Materials of Construction (2)				
Head, Bowl & Internals	316L SS	316L SS	316L SS	316L SS
Seals (3)	Viton	Viton	Viton	Viton
Membrane Code (4)	MT.33.□	MT.33.□	MT.33.□	MT.33.□
Principal Dimensions in mm				
Diameter	63	63	63	63
Height	47	47	47	47
Volume, cc	10	10	10	10
Weight, kg	0.95	0.95	0.95	0.95
Accessories				
Mounting Bracket	MBSM106	MBSM106	MBSM106	MBSM106

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM106.221.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.33.M2

Materials 316L Stainless Steel
Pressure 100 Bar
Ports 1/8" or 1/4"
Membrane 2x MT.47.□

The SM015 membrane housings use two porous PTFE membranes, which are supported by sintered porous stainless steel discs on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows the membranes to be changed without disconnection the port fittings.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	STM105.111	STM105.211
Inlet & Bypass Port Size	1/8" NPT	1/4" NPT
Outlet Port	1/8" NPT	1/8" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	2x MT.47.□	2x MT.47.□
Principal Dimensions in mm		
Diameter	63	63
Height	47	47
Volume, cc	10	10
Weight, kg	0.95	0.95
Accessories		
Mounting Bracket	MBSM106	MBSM106

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. STM105.111.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.47.M2

Materials 316L Stainless Steel
Pressure 10 Bar
Ports 1/4" or 1/2"
Membrane MT.61.□

SM202 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM202.221	SM202.441
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	10	10
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.61.□	MT.61.□
Principal Dimensions in mm		
Diameter	100	100
Height	48.5	58.5
Volume, cc	25	30
Weight, kg	1.15	1.55
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM202.221.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.61.M2

Materials 316L Stainless Steel
Pressure 200 Bar
Ports 1/4" or 1/2"
Membrane MT.61.□

SM206 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM206.221	SM206.441
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.61.□	MT.61.□
Principal Dimensions in mm		
Diameter	100	100
Height	65.5	65.5
Volume, cc	25	25
Weight, kg	3.35	3.35
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM206.221.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.61.M2

Materials 316L Stainless Steel
Pressure 200 Bar
Ports 1/4" or 1/2"
Membrane MT.61.□

SMD206 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. The inlet and drain ports are connect in a straight line for use in fast loop style applications.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SMD206.221	SMD206.441
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.61.□	MT.61.□
Principal Dimensions in mm		
Diameter	100	100
Height	65.5	65.5
Volume, cc	25	25
Weight, kg	3.35	3.35
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SMD206.221.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.61.M2

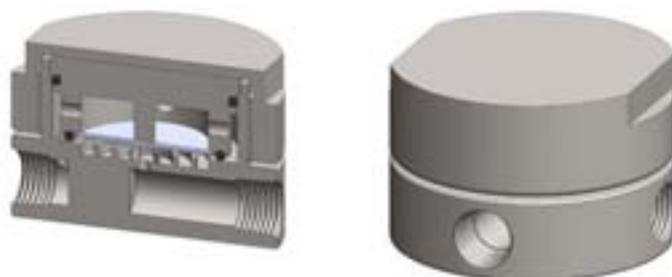
Materials 316L Stainless Steel
Pressure 200 Bar
Ports 1/4" or 1/2"
Membrane MT.61.□

SML206 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. The housing is designed to separate two fluid phases and a special flow path increases the contact time against the membrane face to increase the flow rate.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SML206.221	SML206.441
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	200	200
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.61.□	MT.61.□
Principal Dimensions in mm		
Diameter	100	100
Height	65.5	65.5
Volume, cc	25	25
Weight, kg	3.35	3.35
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SML206.221.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.61.M8

Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1/4 or 1/2"
Filter Disc	FD.64.□

SW205 housings are designed to remove particulates from liquid samples. The inlet port is angled to create a 'cyclone' effect against a flat stainless steel filter disc. The sample passes through the filter to the outlet and the rest of the sample passes to the bypass port.

The housing design allows a quick change of the filter disc as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other gaskets types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SW205.221	SW205.441
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Port	1/4" NPT	1/2" NPT
Maximum Pressure, Bar (1)	100	100
Maximum Temperature, °C (2)	200	200
Materials of Construction (3)		
Head, Bowl & Internals	316L SS	316L SS
Seals (4)	Viton	Viton
Membrane (5)	FD.64.□	FD.64.□
Principal Dimensions in mm		
Diameter	100	100
Height	53.5	53.5
Volume, cc	35	35
Weight, kg	2.3	2.3
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

- (1) Above 200°C the pressure rating is reduced, consult us the exact rating at any specific temperature
- (2) Maximum temperature 200°C using standard seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SW205.221.T)
- (5) Replace the □ with the filter disc grade required, e.g. FD.64.S20V

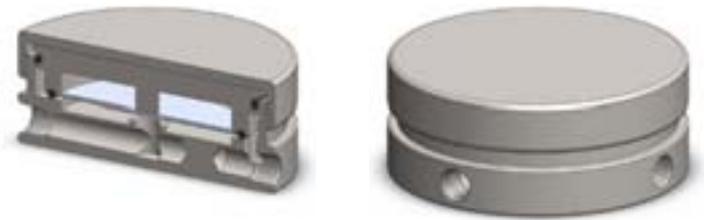
Materials 316L Stainless Steel
Pressure 34 Bar
Ports 1/4" or 1/2"
Membrane MT.89.□

SM304 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM304.221	SM304.441
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	34	34
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.89.□	MT.89.□
Principal Dimensions in mm		
Diameter	100	100
Height	65.5	65.5
Volume, cc	25	25
Weight, kg	3.35	3.35
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM304.221.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.89.M2

Materials 316L Stainless Steel
Pressure 34 Bar
Ports 1/4" or 1/2"
Membrane 2x MT.89.□

STM304 membrane housings use two porous PTFE membranes, which are supported by sintered porous stainless steel discs on the outlet side. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model

STM304.221

STM304.441

Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	34	34
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	2x MT.89.□	2x MT.89.□
Principal Dimensions in mm		
Diameter	150	150
Height	74	89
Volume, cc	50	50
Weight, kg	7.50	7.50
Accessories		
Mounting Bracket	MBSM206	MBSM206

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. STM304.221.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.89.M2

Materials 316L Stainless Steel
Pressure 34 Bar
Ports 1/4" or 1/2"
Membrane MT.89.□

SML304 membrane housings use a porous PTFE membrane, which is supported by a sintered porous stainless steel disc on the outlet side. The housing is designed to separate two fluid phases and a special flow path increases the contact time against the membrane face to increase the flow rate.

The housing design allows a quick change of the membrane as all the line connections are arranged in the body of the housing and the threaded cap means no tools are required for access.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM304.221	SM304.441
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	34	34
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	MT.89.□	MT.89.□
Principal Dimensions in mm		
Diameter	120	120
Height	46.5	65.5
Volume, cc	35	35
Weight, kg	2.35	3.15
Accessories		
Mounting Bracket	MBSM304	MBSM304

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SML304.221.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.89.M8

Materials 316L Stainless Steel
Pressure 34 Bar
Ports 1/4" or 1/2"
Membrane 2x MT.89.□

STML304 membrane housings use two porous PTFE membranes, which are supported by sintered porous stainless steel discs on the outlet side. The housing is designed to separate two liquid phases and a special flow path increases the contact time against the membrane face to increase the flow rate.

The housing design allows the membranes to be changed without disconnection the port fittings.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	STML304.221	STML304.441
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/2" NPT
Maximum Pressure, Bar	34	34
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	2x MT.89.□	2x MT.89.□
Principal Dimensions in mm		
Diameter	150	150
Height	83.5	83.5
Volume, cc	45	45
Weight, kg	9.1	9.1
Accessories		
Mounting Bracket	MBSM304	MBSM304

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SML304.221.T)
- (4) Replace the □ with the membrane grade required, e.g. MT.89.M8

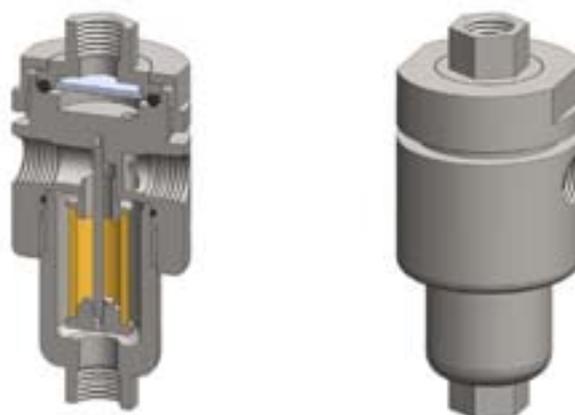
Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1/8" or 1/4"
Element	12.32.□
Membrane	MT.33.□

SM115 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous stainless steel disc on the outlet side. The wet sample gas enters through the inlet port and through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM115.111	SM115.221
Port Size	1/8" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Filter Element Code (4)	12.32.□	12.32.□
Membrane Code (5)	MT.33.□	MT.33.□
Principal Dimensions in mm		
Diameter	50	50
Height	110	110
Volume, cc	35	35
Weight, kg	0.9	0.9
Accessories		
Mounting Bracket	MBSM115	MBSM115

Notes

(1) Maximum temperature 150°C using standard seal

(2) Material abbreviations, 316L SS = 316L Stainless Steel

(3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM115.221.T)

(4) Replace the □ with the element grade required, e.g. 12.32.5CK

(5) Replace the □ with the membrane grade required, e.g. MT.33.M2

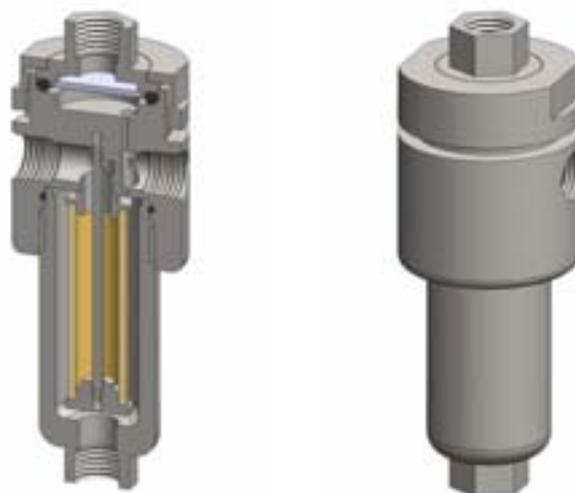
Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1/8" or 1/4"
Element	12.57.□
Membrane	MT.33.□

SM125 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous stainless steel disc on the outlet side. The wet sample gas enters through the inlet port and through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM125.111	SM125.221
Port Size	1/8" NPT	1/4" NPT
Drain & Bypass Ports	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	12.57.□	12.57.□
Principal Dimensions in mm		
Diameter		
Height	50	50
Volume, cc	135	135
Weight, kg	45	45
Accessories		
Mounting Bracket	MBSM115	MBSM115

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM125.221.T)
- (4) Replace the □ with the element grade required, e.g. 12.57.5CK
- (5) Replace the □ with the membrane grade required, e.g. MT.33.M2

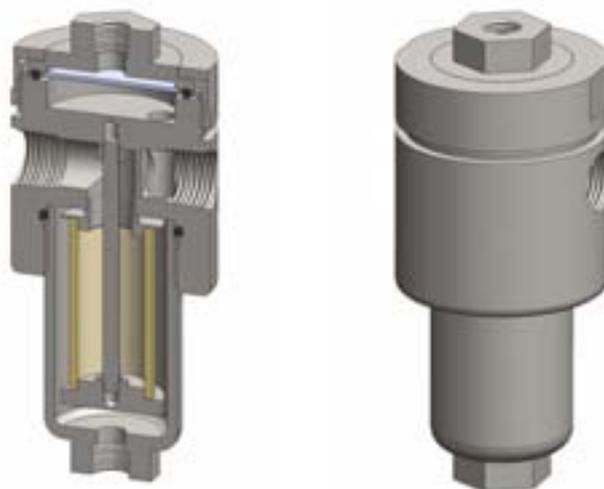
Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1/4" or 1/2"
Element	25.64.□
Membrane	MT.61.□

SM215 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous stainless steel disc on the outlet side. The wet sample gas enters through the inlet port and through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM215.221	SM215.421
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	25.64.□	25.64.□
Principal Dimensions in mm		
Diameter		
Height	75	75
Volume, cc	169	169
Weight, kg	135	135
Accessories		
Mounting Bracket	2.8	2.8
	MBSM215	MBSM215

Notes

- (1) Maximum temperature of 150°C is due to the PTFE membrane
- (2) Material abbreviations, 316L SS = 316L Stainless Steel
- (3) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM215.221.T)
- (4) Replace the □ with the element grade required, e.g. 25.64.5CK
- (5) Replace the □ with the membrane grade required, e.g. MT.61.M2

Materials	316L Stainless Steel
Pressure	100 Bar
Ports	1/4" or 1/2"
Element	25.178.□
Membrane	MT.61.□

SM235 combination housings have a coalescing filter element and a PTFE membrane in a single unit.

The porous PTFE membrane is supported by a sintered porous stainless steel disc on the outlet side. The wet sample gas enters through the inlet port and through the coalescing element to remove the bulk of the liquid and solid particles and then to the membrane. Any liquid in the gas sample will flow to the drain port. This port can also be used as a bypass function for the main flow.

Standard housings have NPT ports and include Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.

The housings are free from welds and comply with NACE MR-01-75.



Technical Specifications

Housing Model	SM235.221	SM235.421
Port Size	1/4" NPT	1/2" NPT
Drain & Bypass Ports	1/4" NPT	1/4" NPT
Maximum Pressure, Bar	100	100
Maximum Temperature, °C (1)	150	150
Materials of Construction (2)		
Head, Bowl & Internals	316L SS	316L SS
Seals (3)	Viton	Viton
Membrane Code (4)	25.178.□	25.178.□
Principal Dimensions in mm	MT.61.□	MT.61.□
Diameter		
Height	75	75
Volume, cc	282	282
Weight, kg	285	285
Accessories	3.35	3.35
Mounting Bracket	MBSM215	MBSM215

Notes

- (1) Above 200°C the pressure rating is reduced, consult us for the exact rating at any specific temperature
- (2) Maximum temperature 150°C using standard seal
- (3) Material abbreviations, 316L SS = 316L Stainless Steel
- (4) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. SM235.221.T)
- (5) Replace the □ with the element grade required, e.g. 25.178.5CK
- (6) Replace the □ with the membrane grade required, e.g. MT.61.M2

Materials	Aluminium & Polyamide
Pressure	10 Bar
Ports	1/8" or 1/4"
Element	12.32.□

AN112 series filter housings have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/8" or 1/4" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AN112.101	AN112.111	AN112.161	AN112.201	AN112.211	AN112.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals(2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (3)	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□
Adsorber Cartridge Code (4)	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	93.5	93.5	108	93.5	93.5	108
Volume, cc	25	25	25	25	25	25
Weight, kg	0.1	0.1	0.1	0.1	0.1	0.1
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AN112.201.E)

(3) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(4) Replace the □ with the type required, e.g. 12.32.AT01

Materials	Aluminium
Pressure	16 Bar
Ports	1/8" or 1/4"
Element	12.32.□

AA113 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/8" or 1/4" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AA113.101	AA113.111	AA113.161	AA113.201	AA113.211	AA113.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	16	16	16	16	16	16
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA
Seals(2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (3)	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□
Adsorber Cartridge Code (4)	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	95	95	111	95	95	111
Volume, cc	35	35	35	35	35	35
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA113.201.E)

(3) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(4) Replace the □ with the type required, e.g. 12.32.AT01

Materials	Aluminium & Polyamide
Pressure	10 Bar
Ports	1/8" or 1/4"
Element	12.57.□

AN122 series filter housings have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/8" or 1/4" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AN122.101	AN122.111	AN122.161	AN122.201	AN122.211	AN122.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals(2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (3)	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (4)	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	110	110	124.5	110	110	124.5
Volume, cc	25	25	25	25	25	25
Weight, kg	0.1	0.1	0.1	0.1	0.1	0.1
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AN122.201.E)

(3) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20

(4) Replace the □ with the type required, e.g. 12.57.AT01

Materials Aluminium
Pressure 16 Bar
Ports 1/8" or 1/4"
Element 12.57.□

AA123 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/8" or 1/4" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AA123.101	AA123.111	AA123.161	AA123.201	AA123.211	AA123.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	16	16	16	16	16	16
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA
Seals(2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (3)	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (4)	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	112	112	127	112	112	127
Volume, cc	45	45	45	45	45	45
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA123.201.E)

(3) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.S20V, 12.57.T20

(4) Replace the □ with the type required, e.g. 12.57.AT01

Materials	Aluminium & Polyamide
Pressure	10 Bar
Ports	1/4" or 1/2"
Element	25.64.□

AN212 series filter housings have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options included an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AN212.201	AN212.221	AN212.261	AN212.271	AN212.401	AN212.421	AN212.461	AN212.471
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	Automatic	None	1/4" NPT	Manual	Automatic
Maximum Pressure, Bar	10	10	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50	50	50
Materials of Construction (1)								
Head	AL							
Bowl & Internals	PA							
Seals(2)	Viton							
Filter Elements Code (3)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	-	25.64.AT□	25.64.AT□	25.64.AT□	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	159	159	171.5	171.5	159	159	171.5	171.5
Volume, cc	140	140	140	140	140	140	140	140
Weight, kg	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Accessories								
Mounting Bracket	MBSS21							

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AN212.201.E)

(3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the □ with the type required, e.g. 25.64.AT01. Adsorber cartridges are not suitable for housings with automatic drains

Materials	Aluminium & Polyamide
Pressure	10 Bar
Ports	1/4" or 1/2"
Element	25.64.□

AiN212 series filter housings with differential pressure indicator have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options included an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AiN212.201	AiN212.221	AiN212.261	AiN212.271	AiN212.401	AiN212.421	AiN212.461	AiN212.471
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	Automatic	None	1/4" NPT	Manual	Automatic
Maximum Pressure, Bar	10	10	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50	50	50
Materials of Construction (1)								
Head	AL							
Bowl & Internals	PA							
Seals(2)	Viton							
Filter Elements Code (3)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	-	25.64.AT□	25.64.AT□	25.64.AT□	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	190.5	190.5	202	202	190.5	190.5	202	202
Volume, cc	140	140	140	140	140	140	140	140
Weight, kg	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Accessories								
Mounting Bracket	MBAiN21							

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AiN212.201.E)

(3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the □ with the type required, e.g. 25.64.AT01. Adsorber cartridges are not suitable for housings with automatic drains

Materials Aluminium
Pressure 16 Bar
Ports 1/4" or 1/2"
Element 25.64.□

AA213 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options included an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AA213.201	AA213.211	AA213.261	AA213.271	AA213.401	AA213.411	AA213.461	AA213.471
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	Manual	Automatic	None	1/8" NPT	Manual	Automatic
Maximum Pressure, Bar	16	16	16	16	16	16	16	16
Maximum Temperature, °C	120	120	120	120	120	120	120	120
Materials of Construction (1)								
Head & Bowl	AL							
Internals	PA							
Seals(2)	Viton							
Filter Elements Code (3)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	-	25.64.AT□	25.64.AT□	25.64.AT□	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	151	151	151	151	151	151	151	151
Volume, cc	140	140	140	140	140	140	140	140
Weight, kg	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Accessories								
Mounting Bracket	MBSS21							

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA213.201.E)

(3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the □ with the type required, e.g. 25.64.AT01. Adsorber cartridges are not suitable for housings with automatic drains

Materials Aluminium
Pressure 16 Bar
Ports 1/4" or 1/2"
Element 25.64.□

AiA213 series filter housings with differential pressure indicator have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options including an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AiA213.201	AiA213.221	AiA213.261	AiA213.271	AiA213.401	AiA213.421	AiA213.461	AiA213.471
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	Automatic	None	1/4" NPT	Manual	Automatic
Maximum Pressure, Bar	16	16	16	16	16	16	16	16
Maximum Temperature, °C	50	50	50	50	50	50	50	50
Materials of Construction (1)								
Head & Bowl	AL							
Internals	PA							
Seals(2)	Viton							
Filter Elements Code (3)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	-	25.64.AT□	25.64.AT□	25.64.AT□	-
Principal Dimensions in mm								
Diameter	62	62	62	62	62	62	62	62
Height	151	151	151	151	151	151	151	151
Volume, cc	140	140	140	140	140	140	140	140
Weight, kg	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
Accessories								
Mounting Bracket	MBAiN21							

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AiA213.201.E)

(3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the □ with the type required, e.g. 25.64.AT01. Adsorber cartridges are not suitable for housings with automatic drains

Materials	Aluminium
Pressure	34 Bar
Ports	1/4" or 1/2"
Element	25.64.□

AA214 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options included an automatic version. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AA214.211	AA214.261	AA214.411	AA214.461
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	1/8" NPT	Manual	1/8" NPT	Manual
Maximum Pressure, Bar	34	34	34	34
Maximum Temperature, °C	120	120	120	120
Materials of Construction (1)				
Head & Bowl	AL	AL	AL	AL
Internals	PA	PA	PA	PA
Seals(2)	Viton	Viton	Viton	Viton
Filter Elements Code (3)	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□
Principal Dimensions in mm				
Diameter	65	65	65	65
Height	141	141	141	141
Volume, cc	140	140	140	140
Weight, kg	0.65	0.65	0.65	0.65
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA214.211.E)

(3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.S20V, 25.64.T20

(4) Replace the □ with the type required, e.g. 25.64.AT01

Materials	Aluminium & Polyamide
Pressure	10 Bar
Ports	1/4" or 1/2"
Element	25.178.□

AN232 series filter housings have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AN232.201	AN232.221	AN232.261	AN232.401	AN232.421	AN232.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals(2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (3)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	112	112	112	112	112	112
Volume, cc	25	25	25	25	25	25
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. An232.201.E)

(3) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(4) Replace the □ with the type required, e.g. 25.178.AT01

Materials	Aluminium & Polyamide
Pressure	10 Bar
Ports	1/4" or 1/2"
Element	25.178.□

AiN232 series filter housings with differential pressure indicator have an anodised aluminium head with polyamide bowl and internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AiN232.201	AiN232.221	AiN232.261	AiN232.401	AiN232.421	AiN222.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head	AL	AL	AL	AL	AL	AL
Bowl & Internals	PA	PA	PA	PA	PA	PA
Seals(2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (3)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	112	112	112	112	112	112
Volume, cc	25	25	25	25	25	25
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Accessories						
Mounting Bracket	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AiN233.201.E)

(3) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(4) Replace the □ with the type required, e.g. 25.178.AT01

Materials	Aluminium
Pressure	16 Bar
Ports	1/4" or 1/2"
Element	25.178.□

AA233 series filter housings have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AA233.201	AA233.211	AA233.261	AA233.401	AA233.411	AA233.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	16	16	16	16	16	16
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA
Seals(2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (3)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	93	93	93	93	93	93
Volume, cc	25	25	25	25	25	25
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AA233.201.E)

(3) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(4) Replace the □ with the type required, e.g. 25.178.AT01

Materials	Aluminium
Pressure	16 Bar
Ports	1/4" or 1/2"
Element	25.178.□

AiA233 series filter housings with differential pressure indicator have an anodised aluminium head and bowl with polyamide internals.

They are supplied with 1/4" or 1/2" ports and have a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	AiA233.201	AiA233.211	AiA233.261	AiA233.401	AiA233.411	AiA233.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	16	16	16	16	16	16
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head & Bowl	AL	AL	AL	AL	AL	AL
Internals	PA	PA	PA	PA	PA	PA
Seals(2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Elements Code (3)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	93	93	93	93	93	93
Volume, cc	25	25	25	25	25	25
Weight, kg	0.15	0.15	0.15	0.15	0.15	0.15
Accessories						
Mounting Bracket	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21	MBAiN21

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. AiA233.201.E)

(3) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.S20V, 25.178.T20

(4) Replace the □ with the type required, e.g. 25.178.AT01

AE Series End of Line Filter Housing

Materials	Aluminium
Ports	1/8" to 1/2"
Element	12.32.□ to 25.64.□

The AE series filter housings have an anodised aluminium head and bowl and are supplied with a range of port sizes.

The element is enclosed for protection and the housings are suitable for gas and liquid end of line applications.

These housings have NPT ports as standard.



Technical Specifications

Housing Model	AE110.101	AE110.201	AE120.101	AE120.201	AE210.201	AE210.401
Port Size	1/8" NPT	1/4" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/2" NPT
Maximum Temperature, °C	150	150	150	150	150	150
Materials of Construction (1)						
Head	AL	AL	AL	AL	AL	AL
Filter Elements Code (3)	12.32.□	12.32.□	12.57.□	12.57.□	25.65.□	25.65.□
Adsorber Cartridge Code (4)	12.32.AD□	12.32.AD□	12.57.AD□	12.57.AD□	25.64.AD□	25.64.AD□
Principal Dimensions in mm						
Diameter	40	40	40	40	40	40
Height	93.5	93.5	108	93.5	93.5	108
Weight, kg	0.02	0.02	0.02	0.02	0.1	0.1

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

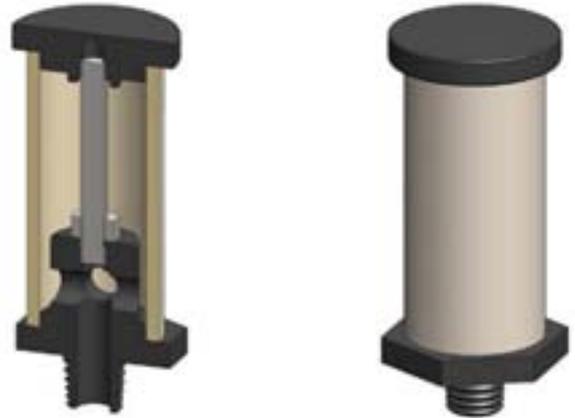
(3) Replace the □ with the type required, e.g. 12.32.AT01

Materials Aluminium & SS
Ports 1/8" to 1/2"
Element 12.32.□ to 25.64.□

The AO series filter housings are constructed from anodised aluminium with a stainless steel tie rod and are supplied with a range of connections.

The housings are suitable for gas and liquid end of line applications.

These housings have NPT ports as standard.



Technical Specifications

Housing Model	AE110.101	AE110.209	AE120.101	AE120.209	AE210.201	AE210.209	AE230.201	AE230.209
Port Size	1/8" NPT	Ø 1/4" Spigot	1/8" NPT	Ø 1/4" Spigot	1/2" NPT	Ø 1/4" Spigot	1/2" NPT	Ø 1/4" Spigot
Maximum Temperature, °C	150	150	150	150	150	150	150	150
Materials of Construction (1)								
Head	AL	AL	AL	AL	AL	AL	AL	AL
Tie Rod	SS							
Filter Elements Code (3)	12.32.□	12.32.□	12.57.□	12.57.□	25.64.□	25.64.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	12.32.AD□	12.32.AD□	12.57.AD□	12.57.AD□	25.64.AD□	25.64.AD□	25.178.AD□	25.178.AD□
Principal Dimensions in mm								
Diameter	19	19	19	19	36	36	36	36
Height	50	50	75	75	91	91	205	205
Weight, kg	0.02	0.02	0.02	0.02	0.05	0.05	0.1	0.1

Notes

(1) Material abbreviations, AL = Aluminium, PA = Polyamide

(2) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.S20V, 12.32.T20

(3) Replace the □ with the type required, e.g. 12.32.AT01

Materials	PTFE
Pressure	7 Bar
Ports	1/8" or 1/4"
Element	12.32.□

FF111 series filter housings are specified for 1/8" & 1/4" line size applications where a PTFE material is required. FF121 series housings should be considered for applications where a longer service life is needed.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	FF111.101	FF111.111	FF111.201	FF111.221
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, °C	150	150	150	150
Materials of Construction (1)				
Head, Bowl & Internals	PTFE	PTFE	PTFE	PTFE
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.32.□	12.32.□	12.32.□	12.32.□
Adsorber Cartridge Code (4)	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	80.5	80.5	80.5	80.5
Volume, cc	25	25	25	25
Weight, kg	0.12	0.12	0.12	0.12
Accessories				
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PTFE = Polytetrafluoroethane

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF111.221.T)

(3) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.T20

(4) Replace the □ with the type required, e.g. 12.32.AT01

Materials	PTFE
Pressure	7 Bar
Ports	1/8" or 1/4"
Element	12.57.□

FF121 series filter housings are specified for 1/8" & 1/4" line size applications where a PTFE material is required. FF111 series housings should be considered for applications where the response time is critical

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	FF121.101	FF121.111	FF121.201	FF121.221
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, °C	150	150	150	150
Materials of Construction (1)				
Head, Bowl & Internals	PTFE	PTFE	PTFE	PTFE
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (4)	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□
Principal Dimensions in mm				
Diameter	40	40	40	40
Height	105.5	105.5	105.5	105.5
Volume, cc	35	35	35	35
Weight, kg	0.12	0.12	0.12	0.12
Accessories				
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11

Notes

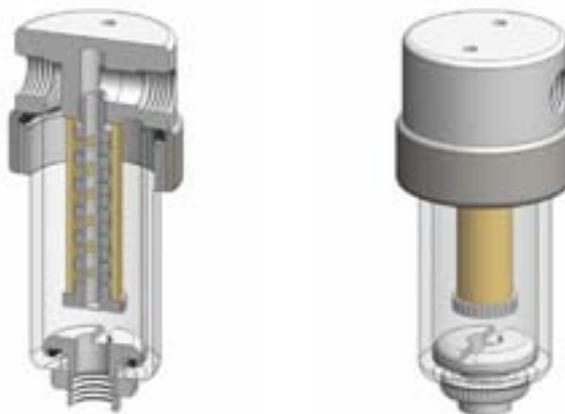
- (1) Material abbreviations, PTFE = Polytetrafluoroethane
- (2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF121.221.T)
- (3) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.T20
- (4) Replace the □ with the type required, e.g. 12.57.AT01

Materials	PTFE & Pyrex Glass
Pressure	7 Bar
Ports	1/8" or 1/4"
Element	12.57.□

FG121 series filter housings are constructed from PTFE, but use a Pyrex glass bowl so that the element can be monitored. They are specified for 1/8" & 1/4" line size applications.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	FG121.101	FG121.111	FG121.201	FG121.221
Port Size	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, °C	150	150	150	150
Materials of Construction (1)				
Head & Internals	PTFE	PTFE	PTFE	PTFE
Bowl	Pyrex Glass	Pyrex Glass	Pyrex Glass	Pyrex Glass
Seals (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (4)	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□
Principal Dimensions in mm				
Diameter	50	50	50	50
Height	120	120	120	120
Volume, cc	63	63	63	63
Weight, kg	0.12	0.12	0.12	0.12
Accessories				
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PTFE = Polytetrafluoroethane

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FG121.221.T)

(3) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.T20

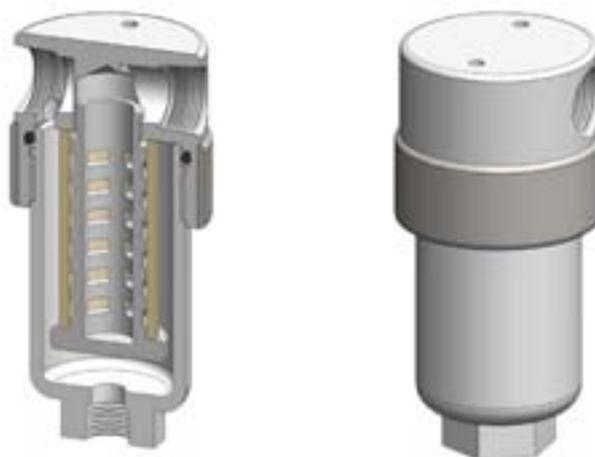
(4) Replace the □ with the type required, e.g. 12.57.AT01

Materials	PTFE
Pressure	7 Bar
Ports	1/4" or 1/2"
Element	25.64.□

FF211 series filter housings are specified for 1/4" & 1/2" line size applications where a PTFE material is required. FF111 or FF121 series housings should be considered for applications where response time is important. Where a longer service time is required the larger FF231 series housings are available.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	FF211.201	FF211.221	FF211.401	FF211.421
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, °C	150	150	150	150
Materials of Construction (1)				
Head, Bowl & Internals	PTFE	PTFE	PTFE	PTFE
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□
Principal Dimensions in mm				
Diameter	60	60	60	60
Height	128.5	128.5	128.5	128.5
Volume, cc	90	90	90	90
Weight, kg	0.47	0.47	0.47	0.47
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PTFE = Polytetrafluoroethane

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF211.221.T)

(3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.T20

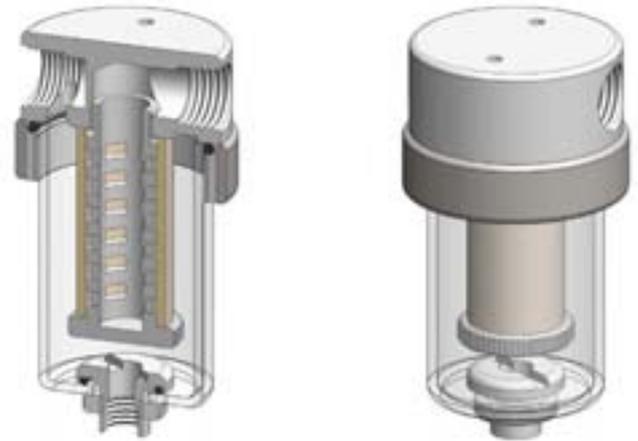
(4) Replace the □ with the type required, e.g. 25.64.AT01

Materials	PTFE & Pyrex Glass
Pressure	7 Bar
Ports	1/4" or 1/2"
Element	25.64.□

FG211 series filter housings are constructed from PTFE, but use a Pyrex glass bowl so that the element can be monitored. They are specified for 1/4" & 1/2" line size applications.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	FG211.201	FG211.221	FG211.401	FG211.421
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, °C	150	150	150	150
Materials of Construction (1)				
Head & Internals	PTFE	PTFE	PTFE	PTFE
Bowl	Pyrex Glass	Pyrex Glass	Pyrex Glass	Pyrex Glass
Seals (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□
Principal Dimensions in mm				
Diameter	68	68	68	68
Height	132	132	132	132
Volume, cc	115	115	115	115
Weight, kg	0.53	0.53	0.53	0.53
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

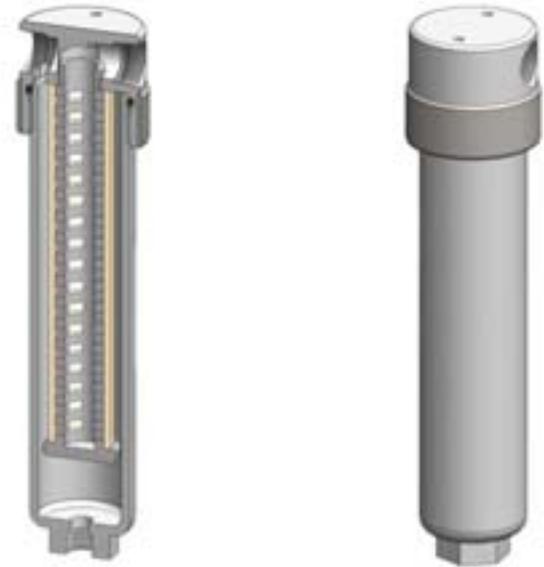
- (1) Material abbreviations, PTFE = Polytetrafluoroethane
- (2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FG211.221.T)
- (3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.T20
- (4) Replace the □ with the type required, e.g. 25.64.AT01

Materials	PTFE
Pressure	7 Bar
Ports	1/4" or 1/2"
Element	25.178.□

The FF231 series filter housings are specified for high flow 1/4" & 1/2" line size applications where a PTFE material is required. FF111, FF121 or FF211 series housings should be considered for applications where response time is important or flow rates are lower.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.

Due to the nature of PTFE the housings are fitted with a 316L stainless steel collar on the head.



Technical Specifications

Housing Model	FF231.201	FF231.221	FF231.401	FF231.421
Port Size	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	None	1/4" NPT
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, °C	150	150	150	150
Materials of Construction (1)				
Head, Bowl & Internals	PTFE	PTFE	PTFE	PTFE
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□
Principal Dimensions in mm				
Diameter	60	60	60	60
Height	263	263	263	263
Volume, cc	90	90	90	90
Weight, kg	0.7	0.7	0.7	0.7
Accessories				
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21

Notes

- (1) Material abbreviations, PTFE = Polytetrafluoroethane
- (2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF231.221.T)
- (3) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.T20
- (4) Replace the □ with the type required, e.g. 25.178.AT01

Materials Polyamide
Pressure 10 Bar
Ports 1/8" or 1/4"
Element 12.32.□

NN112 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" or 1/4" ports and a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	NN112.101	NN112.111	NN112.161	NN112.201	NN112.211	NN112.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□
Adsorber Cartridge Code (4)	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	96.5	96.5	111	96.5	96.5	111
Volume, cc	45	45	45	45	45	45
Weight, kg	0.04	0.04	0.04	0.04	0.04	0.04
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN112.221.E)

(3) Replace the □ with the grade required, e.g. 12.32.5CK, 12.32.T20

(4) Replace the □ with the type required, e.g. 12.32.AT01

Materials Polyamide
Pressure 10 Bar
Ports 1/8" or 1/4"
Element 12.57.□

NN122 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" or 1/4" ports and a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	NN122.101	NN122.111	NN122.161	NN122.201	NN122.211	NN122.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (4)	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	113	113	127	113	113	127
Volume, cc	55	55	55	55	55	55
Weight, kg	0.05	0.05	0.05	0.05	0.05	0.05
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

- (1) Material abbreviations, PA = Polyamide
- (2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN122.221.E)
- (3) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.T20
- (4) Replace the □ with the type required, e.g. 12.57.AT01

Materials	Polyamide
Pressure	7 Bar
Ports	Ø1/4" or 1/8" NPT
Element	12.57.□

NL121 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" NPT ports or push-on type spigots. These housings are designed for coalescing applications and are ideal for portable analysers.

Standard housings have a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	NL121.111	NL121.161	NL121.229	NL121.269
Port Size	1/8" NPT	1/8" NPT	Ø 1/4" Spigot	Ø 1/4" Spigot
Drain	1/8" NPT	Manual	Ø 1/4" Spigot	Manual
Maximum Pressure, Bar	7	7	7	7
Maximum Temperature, °C	50	50	50	50
Materials of Construction (1)				
Head, Bowl & Internals	PA	PA	PA	PA
Seal (2)	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.□	12.57.□	12.57.□	12.57.□
Principal Dimensions in mm				
Diameter	45	45	45	45
Height	81	81	131	131
Volume, cc	55	55	55	55
Weight, kg	0.05	0.05	0.05	0.05

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NL121.111.E)

(3) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.T20

NL141

Twin Polyamide Filter Housing

Materials	Polyamide
Pressure	7 Bar
Ports	Ø1/4" or 1/8" NPT
Element	12.32.□ & 12.35.□

NL141 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" NPT ports or push-on type spigots.

The twin-element design allows both a coalescing element and particulate element to be installed in a single housing making them ideal for portable analyser applications.

Standard housings have a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	NL141.111	NL121.269
Port Size	1/8" NPT	Ø 1/4" Spigot
Drain	1/8" NPT	Manual
Maximum Pressure, Bar	7	7
Maximum Temperature, °C	50	50
Materials of Construction (1)		
Head, Bowl & Internals	PA	PA
Seal (2)	Viton	Viton
Filter Element Code - 1st Stage (3)	12.32.□	12.32.□
Filter Element Code - 2nd Stage	12.35.□	12.35.□
Principal Dimensions in mm		
Diameter	45	45
Height	120	150
Volume, cc	55	55
Weight, kg	0.05	0.05

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NL141.111.E)

(3) Replace the □ with the grade required, e.g. 12.35.8CK, & 12.32.6K

NT Series

Twin Polyamide Filter Housing

Materials	Polyamide
Pressure	7 Bar
Ports	1/4"
Element	12.32.□ & 12.57.□

NT series twin filter housings have two elements and bowls fitted to a single head. The first stage is a pre-filter or coalescing element and the second stage a particulate element.

They are constructed entirely from polyamide and the bowls use a clear polyamide.

They are supplied with 1/4" ports and have a range of drain options. There are two mounting holes in the back face of the head for neat installation.

Standard housings have a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	NT1111.2601	NT1111.2101	NT1211.2601	NT1211.2101	NT1221.2601	NT1211.2101
Port Size	1/4" NPT					
Drain - 1st Stage	Manual	1/8" NPT	Manual	1/8" NPT	Manual	1/8" NPT
Drain - 2nd Stage	None	None	None	None	None	None
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code - 1st Stage (3)	12.32.□	12.32.□	12.57.□	12.57.□	12.57.□	12.57.□
Filter Element Code - 2nd Stage	12.32.□	12.32.□	12.32.□	12.32.□	12.57.□	12.57.□
Principal Dimensions in mm						
Length over ports	90	90	90	90	90	90
Height	80	80	95	95	95	95
Volume, cc	95	95	100	100	105	105
Weight, kg	0.2	0.2	0.2	0.2	0.2	0.2

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NT1111.2101.E)

(3) Replace the □ with the grade required, e.g. 12.32.8CK & 12.32.6K

NNS241

Inverted Polyamide Filter Housing

Materials	Polyamide
Pressure	7 Bar
Ports	1/8" & 1/4"
Element	25.30.□ & 25.35.□

NNS filter housings are constructed from polyamide and the bowl also uses a clear polyamide.

The housings are fitted with a coalescing pre-filter and a particulate filter that are of different lengths making incorrect installation impossible. The short bowl gives a low internal volume for fast response times.

The housing is designed so the ports and drain connection are all arranged in the head. This means that the drain does not have to be disconnected to change the filter element.

Standard housings have NPT ports and Viton seals.



Technical Specifications

Housing Model	NNS241.111	NNS241.211
Port Size	1/8" NPT	1/4" NPT
Drain	1/8" NPT	1/4" NPT
Maximum Pressure, Bar	7	7
Maximum Temperature, °C	50	50
Materials of Construction (1)		
Head, Bowl & Internals	PA	PA
Seal (2)	Viton	Viton
Filter Element Code - 1st Stage (3)	25.35.□	25.35.□
Filter Element Code - 2nd Stage	25.30.□	25.30.□
Principal Dimensions in mm		
Diameter	62	62
Height	108	108
Volume, cc	115	115
Weight, kg	0.2	0.2

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NNS241.211.E)

(3) Replace the □ with the grade required, e.g. 25.35.8CK, 25.30.6K

Materials	Polyamide
Pressure	10 Bar
Ports	1/4" or 1/2"
Element	25.64.□

NN212 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" or 1/4" ports and a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	NN212.201	NN212.221	NN212.261	NN212.401	NN212.421	NN212.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	147	147	159	147	147	159
Volume, cc	145	145	145	145	145	145
Weight, kg	0.2	0.2	0.2	0.2	0.2	0.2
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN212.221.E)

(3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.T20

(4) Replace the □ with the type required, e.g. 25.64.AT01

Materials	Polyamide
Pressure	10 Bar
Ports	1/4" or 1/2"
Element	25.178.□

NN232 series filter housings are constructed entirely from polyamide - the bowl uses a clear polyamide. They are supplied with 1/8" or 1/4" ports and a range of drain options. These housings are suitable for compressed air systems and general filtration applications.

Standard housings have NPT ports and Viton seals. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	NN232.201	NN232.221	NN232.261	NN232.401	NN232.421	NN232.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	10	10	10	10	10	10
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PA	PA	PA	PA	PA	PA
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	246	246	258	246	246	258
Volume, cc	310	310	310	310	310	310
Weight, kg	0.25	0.25	0.25	0.25	0.25	0.25
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PA = Polyamide

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. NN213.221.E)

(3) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.T20

(4) Replace the □ with the type required, e.g. 25.178.AT01

Materials Polypropylene
Pressure 7 Bar
Ports 1/8" or 1/4"
Element 12.32.□

PP111 series filter housings are constructed entirely from polypropylene. They are supplied with 1/8" or 1/4" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	PP111.101	PP111.111	PP111.161	PP111.201	PP111.211	PP111.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PP	PP	PP	PP	PP	PP
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□	12.32.□
Adsorber Cartridge Code (4)	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□	12.32.AT□
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	96.5	96.5	111	96.5	96.5	111
Volume, cc	45	45	45	45	45	45
Weight, kg	0.04	0.04	0.04	0.04	0.04	0.04
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PP = Polypropylene

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = .N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. PP111.221.E)

(3) Replace the □ with the grade required, e.g. 12.32.5CK, 12.57.T20

(4) Replace the □ with the type required, e.g. 12.57.AT01

Materials Polypropylene
Pressure 7 Bar
Ports 1/8" or 1/4"
Element 12.57.□

PP121 series filter housings are constructed entirely from polypropylene. They are supplied with 1/8" or 1/4" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	PP121.101	PP121.111	PP121.161	PP121.201	PP121.211	PP121.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PP	PP	PP	PP	PP	PP
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (4)	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	113	113	127	113	113	127
Volume, cc	55	55	55	55	55	55
Weight, kg	0.05	0.05	0.05	0.05	0.05	0.05
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PP = Polypropylene

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. PP121.221.E)

(3) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.T20

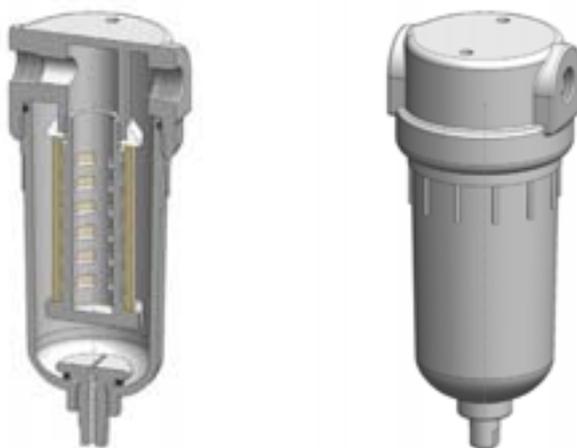
(4) Replace the □ with the type required, e.g. 12.57.AT01

Materials Polypropylene
Pressure 7 Bar
Ports 1/4" or 1/2"
Element 25.64.□

PP211 series filter housings are constructed entirely from polypropylene. They are supplied with 1/4" or 1/2" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	PP211.201	PP211.221	PP211.261	PP211.401	PP211.421	PP211.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PP	PP	PP	PP	PP	PP
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	147	147	159	147	147	159
Volume, cc	145	145	145	145	145	145
Weight, kg	0.2	0.2	0.2	0.2	0.2	0.2
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PP = Polypropylene

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. PP211.221.E)

(3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.T20

(4) Replace the □ with the type required, e.g. 25.64.AT01

Materials	Polypropylene
Pressure	7 Bar
Ports	1/4" or 1/2"
Element	25.178.□

PP231 series filter housings are constructed entirely from polypropylene. They are supplied with 1/8" or 1/4" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	PP231.201	PP231.221	PP231.261	PP231.401	PP231.421	PP231.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	50	50	50	50	50	50
Materials of Construction (1)						
Head, Bowl & Internals	PP	PP	PP	PP	PP	PP
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	246	246	258	246	246	258
Volume, cc	310	310	310	310	310	310
Weight, kg	0.25	0.25	0.25	0.25	0.25	0.25
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PP = Polypropylene

(2) Add suffix for other seal types, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. PP231.221.E)

(3) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.T20

(4) Replace the □ with the type required, e.g. 25.178.AT01

Materials PVDF
Pressure 7 Bar
Ports 1/8" or 1/4"
Element 12.57.□

KK121 series filter housings are constructed entirely from PVDF. They are supplied with 1/8" or 1/4" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	KK121.101	KK121.111	KK121.161	KK121.201	KK121.211	KK121.261
Port Size	1/8" NPT	1/8" NPT	1/8" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Drain	None	1/8" NPT	Manual	None	1/8" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head, Bowl & Internals	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□	12.57.□
Adsorber Cartridge Code (4)	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□	12.57.AT□
Principal Dimensions in mm						
Diameter	45	45	45	45	45	45
Height	113	113	127	113	113	127
Volume, cc	55	55	55	55	55	55
Weight, kg	0.06	0.06	0.06	0.06	0.06	0.06
Accessories						
Mounting Bracket	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11	MBSS11

Notes

(1) Material abbreviations, PVDF = Polyvinylidenedifluoride

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. KK121.221.T)

(3) Replace the □ with the grade required, e.g. 12.57.5CK, 12.57.T20

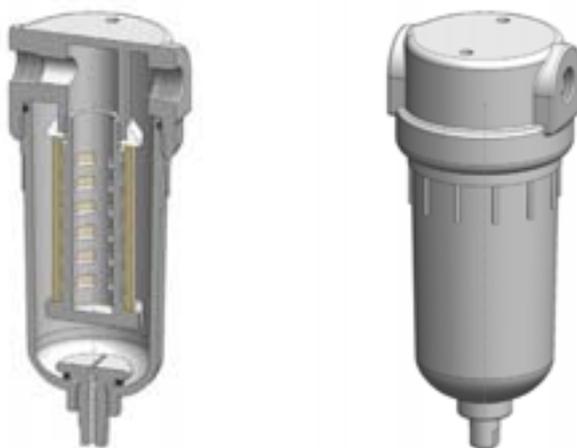
(4) Replace the □ with the type required, e.g. 12.57.AT01

Materials	PVDF
Pressure	7 Bar
Ports	1/4" or 1/2"
Element	25.64.□

KK211 series filter housings are constructed entirely from PVDF. They are supplied with 1/4" or 1/2" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	KK211.201	KK211.221	KK211.261	KK211.401	KK211.421	KK211.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head, Bowl & Internals	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□	25.64.□
Adsorber Cartridge Code (4)	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□	25.64.AT□
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	147	147	159	147	147	159
Volume, cc	145	145	145	145	145	145
Weight, kg	0.2	0.2	0.2	0.2	0.2	0.2
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PVDF = Polyvinylidenedifluoride

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. FF211.221.T)

(3) Replace the □ with the grade required, e.g. 25.64.5CK, 25.64.T20

(4) Replace the □ with the type required, e.g. 25.64.AT01

Materials PVDF
Pressure 7 Bar
Ports 1/4" or 1/2"
Element 25.178.□

KK231 series filter housings are constructed entirely from PVDF. They are supplied with 1/4" or 1/2" ports and have a range of drain options.

These housings are specified where a good chemical resistance is required.

Standard housings have NPT ports and a Viton seal. Other seal types are available as an option. BSPT and BSPP port types are also available.



Technical Specifications

Housing Model	KK231.201	KK231.221	KK231.261	KK231.401	KK231.421	KK231.461
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	1/2" NPT	1/2" NPT	1/2" NPT
Drain	None	1/4" NPT	Manual	None	1/4" NPT	Manual
Maximum Pressure, Bar	7	7	7	7	7	7
Maximum Temperature, °C	120	120	120	120	120	120
Materials of Construction (1)						
Head, Bowl & Internals	PVDF	PVDF	PVDF	PVDF	PVDF	PVDF
Seal (2)	Viton	Viton	Viton	Viton	Viton	Viton
Filter Element Code (3)	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□	25.178.□
Adsorber Cartridge Code (4)	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□	25.178.AT□
Principal Dimensions in mm						
Diameter	65	65	65	65	65	65
Height	246	246	258	246	246	258
Volume, cc	310	310	310	310	310	310
Weight, kg	0.33	0.33	0.33	0.33	0.33	0.33
Accessories						
Mounting Bracket	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21	MBSS21

Notes

(1) Material abbreviations, PVDF = Polyvinylidenedifluoride

(2) Add suffix for other seal types, PTFE = .T, Chemraz = .C, Nitrile = N, Kalrez = .K, EPDM = .E, Silicone = .S, (e.g. KK231.221.T)

(3) Replace the □ with the grade required, e.g. 25.178.5CK, 25.178.T20

(4) Replace the □ with the type required, e.g. 25.178.AT01