

Engineered Solutions

SPECIAL PRODUCTS AND SERVICES

Prochem Manufacturing provides custom designed fittings and issue drawings and models as required for customer verification.

The following pages present just some of the many products and industries Prochem Manufacturing has been providing Engineered Solutions to.

Compressed Gas Filling Manifolds

- Custom Designed or Made to Customer Drawings
- Can be supplied with pigtails
- Welder Qualifications

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	Curved Manifold Body	Body
2	1	Curved Manifold Straight Leg	Straight Tube
3	3	Curved Manifold Nut	Nut
4	2	Curved Manifold Curved Leg	Pipe Bend

Plan View

SECTION A-A

Right View

DETAIL B
SCALE 1 : 1

TOLERANCES ON DIMENSIONS:
 All Diameters ±0.2
 Lengths >100mm ±1.0
 Radii ±0.2
 Angles ±1.0°
 Chords ±0.2

Remove all sharp edges
 All parts to be cleaned, labelled and inspected prior to despatch

DRAWN	S Carter	DATE	11/12/2012
CHECKED	S Hennickson	DATE	
REV	CHECKED BY	DATE	DETAILS

Curved Manifold

SIZE: A3 MATERIAL: UNS31600 DWG NO/FILE NAME: Curved Manifold rev(1)

SCALE: SHEET 1 OF 1

Compressed Gas Bottle Connectors (Bullnose Fittings)

Manufactured in accordance with the following standards

- Australian Standard (AS)
- British Standard (BS)
- North American Standard (CGA)
- German/European Standard (DIN)

Gas Bottle Connectors can be 1, 2 or 3-piece assemblies or can be welded to reduce the number of connections.



TYPE 31 CYLINDER CONNECTION ASSEMBLY x NPT

- Material: Copper Alloy C38500
- Handwheel
- Nipple
- PTFE Washer

Type 31 is a cylinder connection for pressures up to 20,000 kPa (200 bar) at 15°C for Hydrogen Fluoride (Anhydrous), Phosgene, Sulphur Hexafluoride, Methyl Bromide, Silicon Tetrafluoride, Vinyl Bromide (stabilised).



CUSTOM DESIGNED TYPE 42 CYLINDER CONNECTION x NPT

- Materials: 316
- Welded connections and nipple

Type 42 is a cylinder connection for pressures up to 20,000 kPa (200 bar) at 15°C for Ethylamine, Methylamine (stabilised), Ethylene Oxide, Dichlorodifluoromethane.



TYPE 50 CYLINDER CONNECTION ASSEMBLY x NPT

- Material: 316

Type 50 is a cylinder connection for pressures up to 20,000 kPa (200 bar) at 15°C for Krypton, Neon, Nitrogen, Xenon.

TYPE 10 CYLINDER CONNECTION ASSEMBLY x NPT

- Material: 316

Type 10 is a cylinder connection for pressures up to 20,000 kPa (200 bar) at 15°C for Argon, Helium, Oxygen.



Engineered Solutions

Seal Pots

Design

Welder qualifications on request Destructive Testing – Microstructural Analysis, Tensile Tests

Non Destructive Testing – Dye Penetrant, Radiography, Ultrasonic, Phased Array, Ultrasonic Inspection and 100% Hydrostatic Testing

Serially recorded and fully traceable



Welded 2-piece Seal Pot

Thermowells

15 NB (1/2") to 150 NB (6")

Class 150 to Class 2500

Integral and two piece configuration

Wake Frequency Calculations to ASME PTC 19.3



Duplex 1-piece Thermowell

Distribution Manifolds

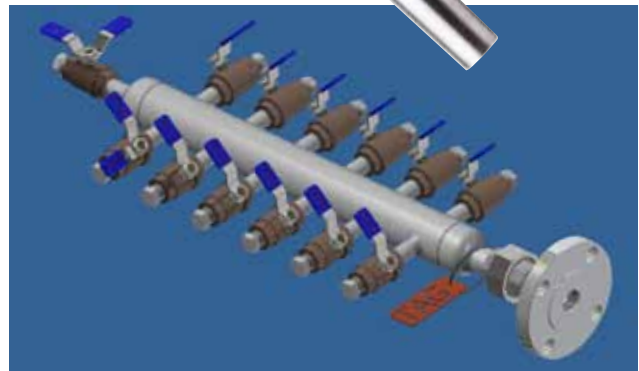
Custom Designed

Made from pipe or tube

Ball or Needle Valve

Supplied with up to any number of outlet configurations

Welder Qualifications



Custom Design Products



90° bleed valve with calibration port



Custom Bleed Valve with increased orifice to prevent plugging

Contact Prochem Manufacturing for help with your Engineered Solution
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