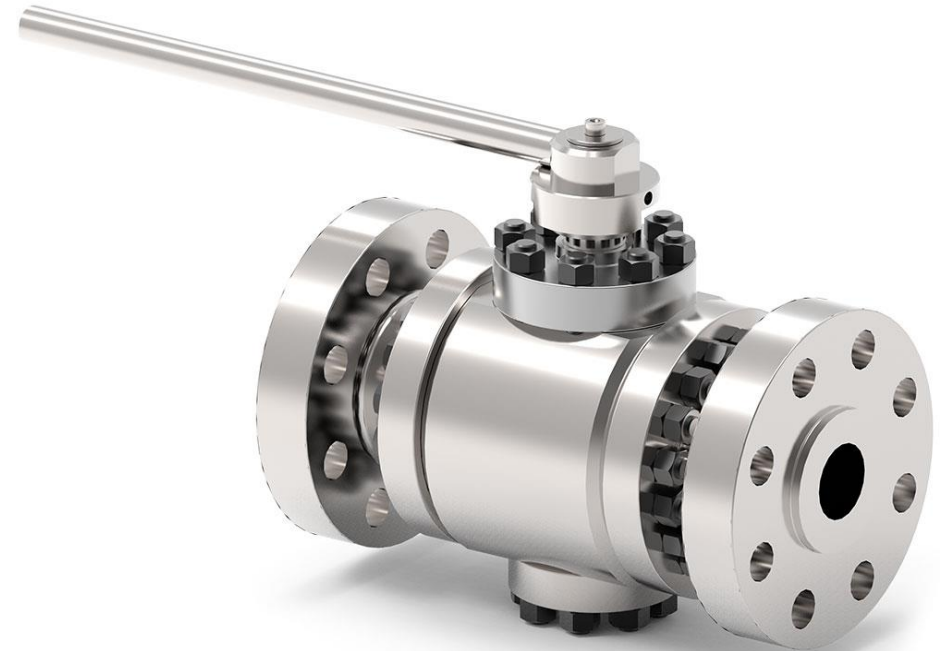


“The standard in non-standard valves”



*Ultra low emission technology*

# About us



VS-T was established in 2016 as a new company in the Valve Industry.

Operating in a world-wide niche market of custom engineered valve manufacturing, VS-T is playing a very important role in supplying valves for all types of extreme applications and services. Additionally, the VS-T valves product lines are delivered to the client locations in unequaled short lead times.

All our special valves are designed at our facilities in the Netherlands. All of our technical staff and engineers are highly qualified and fully up to date on the latest design and production technologies.



# Our Company Strategy



VS-T is one of the most innovative companies in the valve industry, distinguishing itself in providing our services:

- **Valve Manufacturing (Fast Track Manufacturing)**
- Valve Repair (critical valves)
- Valve Upgrade and Modification

*VS-T has developed a unique valve management program based on our combined experiences in the valve industry, to make sure valves that have been through our repair or modification process, meet the highest fugitive emission and customer requirements, which are defined in procedures such as ISO 15848-1, Shell, API, TA-Luft.*

*Ultra low Emission Technology*

# Our Certifications



- NEN-EN-ISO-9001-2015
- PED directive 2014/68/EU annex III module H
- RE-stamping
- SHE Management system
- T-0103
- API Monogram (API 6A, API 6D, API 6 DSS) Manufacturing and Maintenance
- MT/PT Level 1 &2

# Our Team



## Number of Employees (at this moment):

Technical specialists	12
Engineering	4
Purchasing	2
Backoffice	3
Sales	2
IT/QA-QC	2



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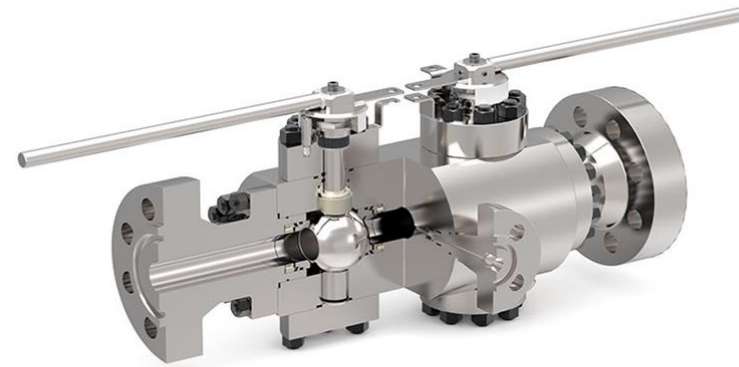
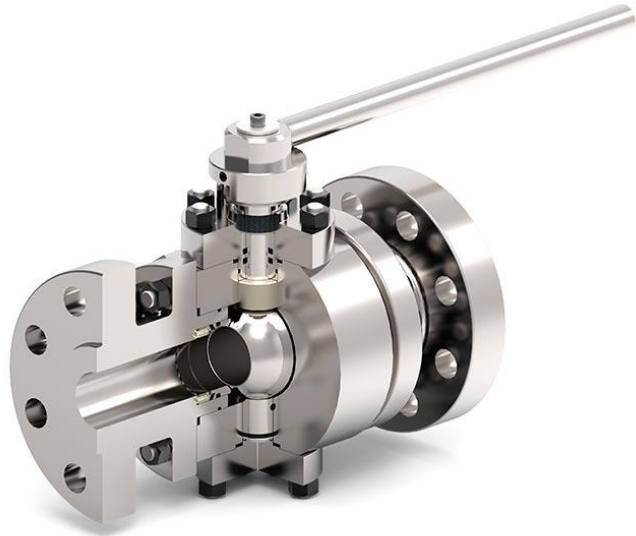


# FAST TRACK VALVE MANUFACTURING

*“6-8 weeks delivery”*

*The standard in non standard valves*

# Ball Valves



VS-T offers ball valves constructed as floating or trunnion mounted both available with soft and metal seats. Tight shut-off features and blowout-proof stems are standard features to establish maximum safety and environmental protection. All valves can be produced according to your valve specification.

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# Gate Valves

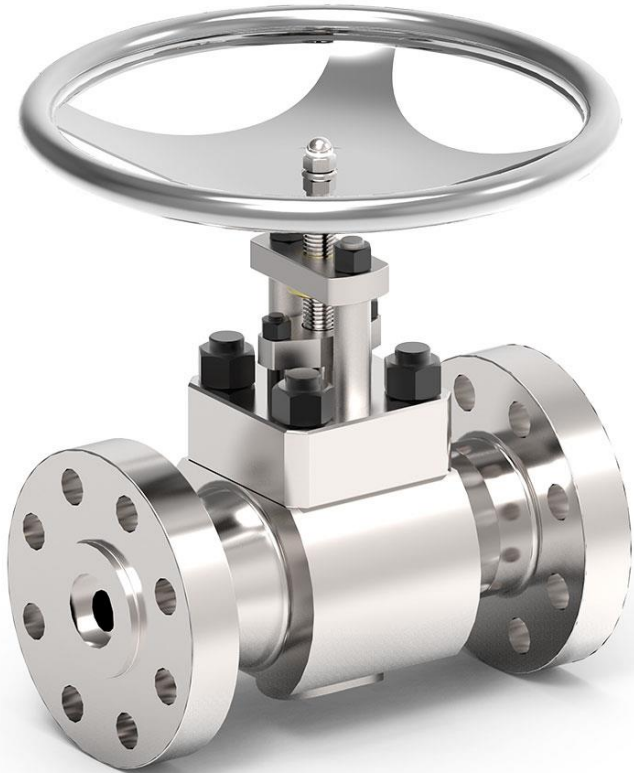


VS-T offers a wide range of gate valves. Through conduit gate valves and pressure seal bonnet gate valves are also part of our program. Extended bonnets are available for high and low temperature applications. For toxic applications we can offer bellow sealed valves. All gate valves will be supplied according to your valve specifications.

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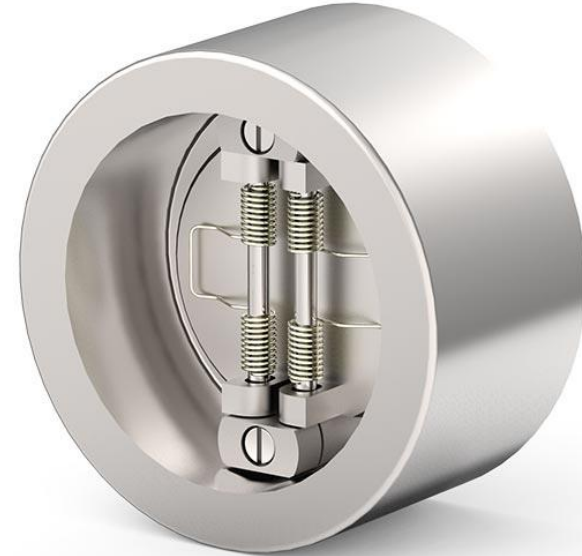
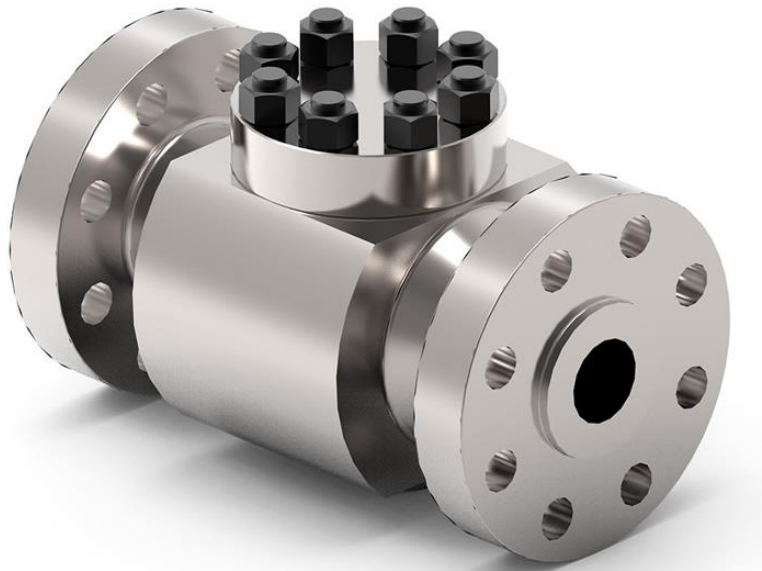
# Globe Valves



VS-T offers angle and Y-type globe valves for low pressure drop. Extended bonnets are available for high and low temperature applications. We supply all our valves according to your specifications.

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# Check Valves



Our program includes swing, piston, ball, dual plate and nozzle check valves.  
A wide variety of check valves for different applications

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# Needle valves



Double block and bleed



Needle Valves

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# Large variety materials available

The valve body can be offered in special materials and standard materials. Next to stainless and carbon steel, we manufacture valves in special materials such as titanium, nickel alloys, HASTELLOY<sup>®\*</sup>, INCOLOY<sup>®</sup>, MONEL<sup>®</sup>, Alloy 20, super-duplex, corrosion resistant alloys and urea grade materials.

## Sizes

From ½” Up till 24”

## Pressure Classes

Up to 15000 PSI



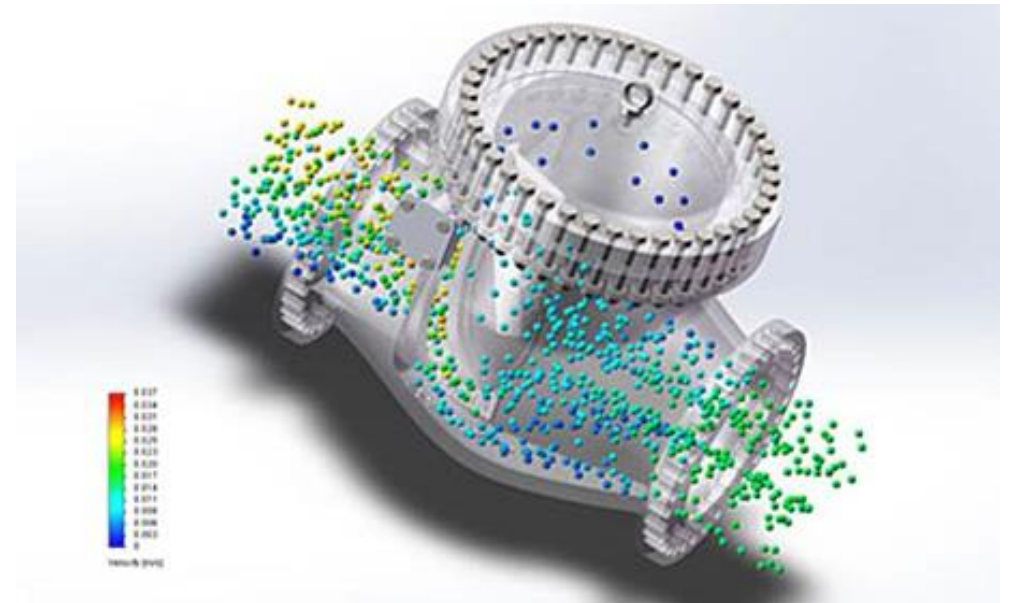
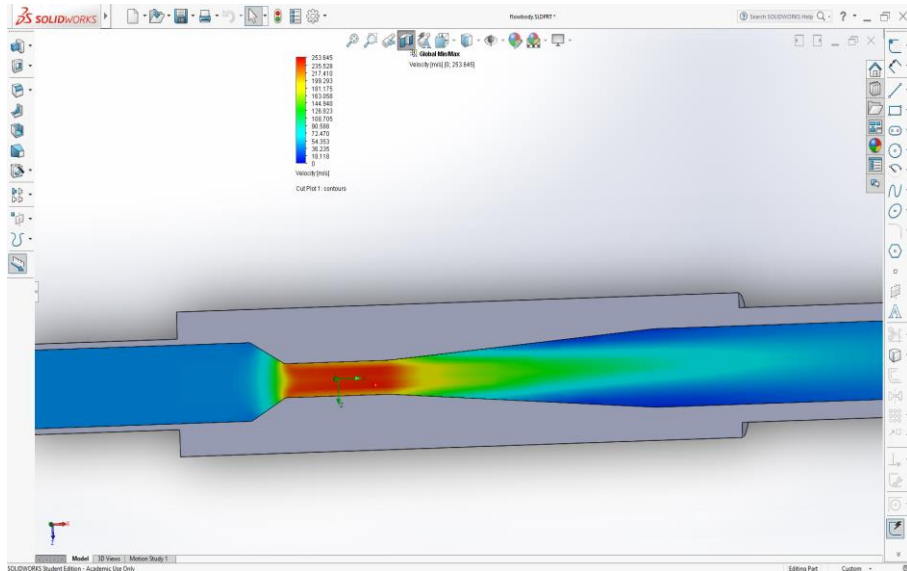
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# Valve Design



Design work is implemented using 3-D CAD and our Solid Works computer software initiates the manufacturing process in our factory workshops. In addition to our common design software we use advanced software to make flow calculations to support the design process.

This enables our engineers to simulate the flow conditions in the client's system in order to design very precisely. It optimizes the performance of the valve in the system.



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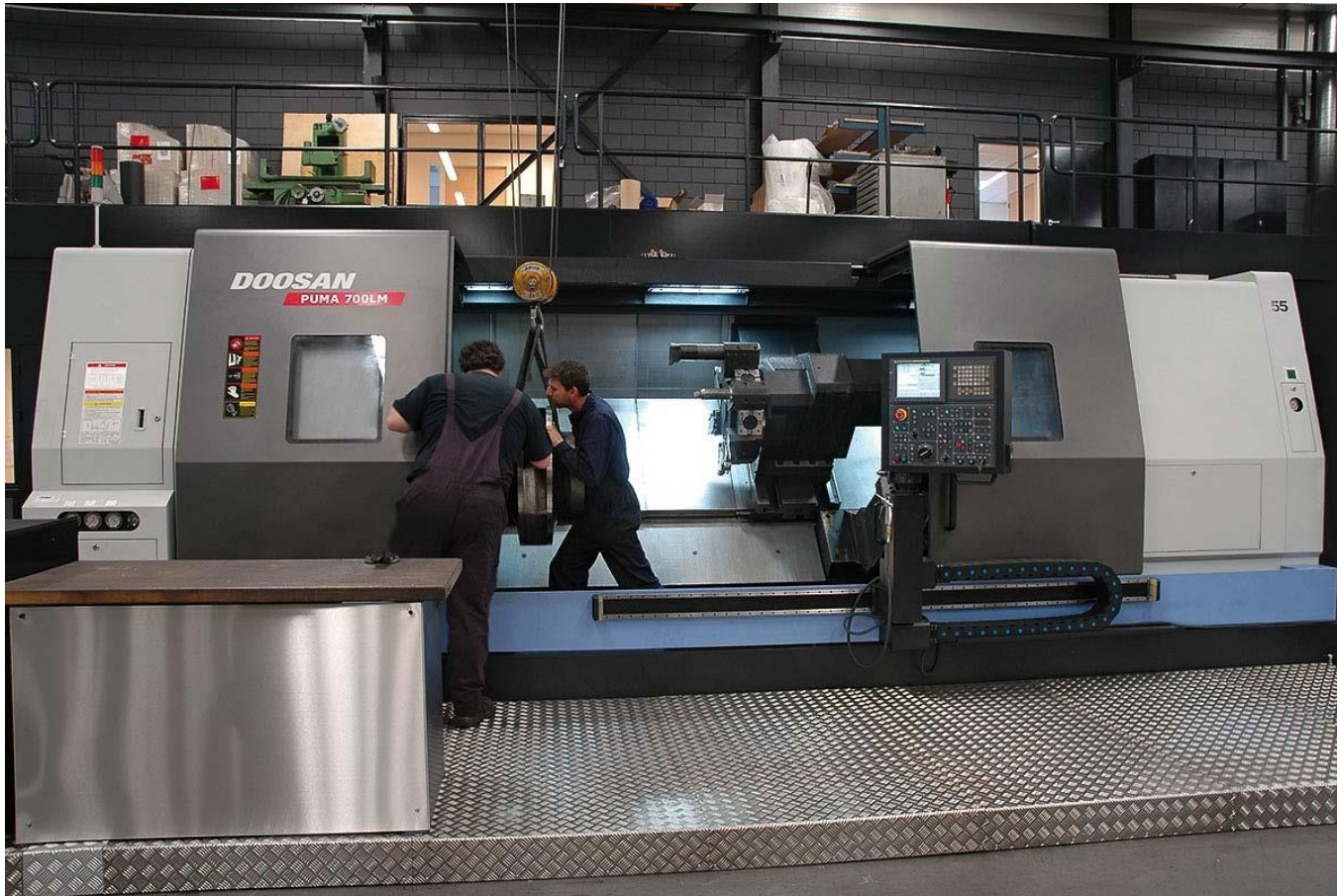
# Production Facility

Our modern manufacturing facilities are equipped with the latest in production technologies.



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# Production facility

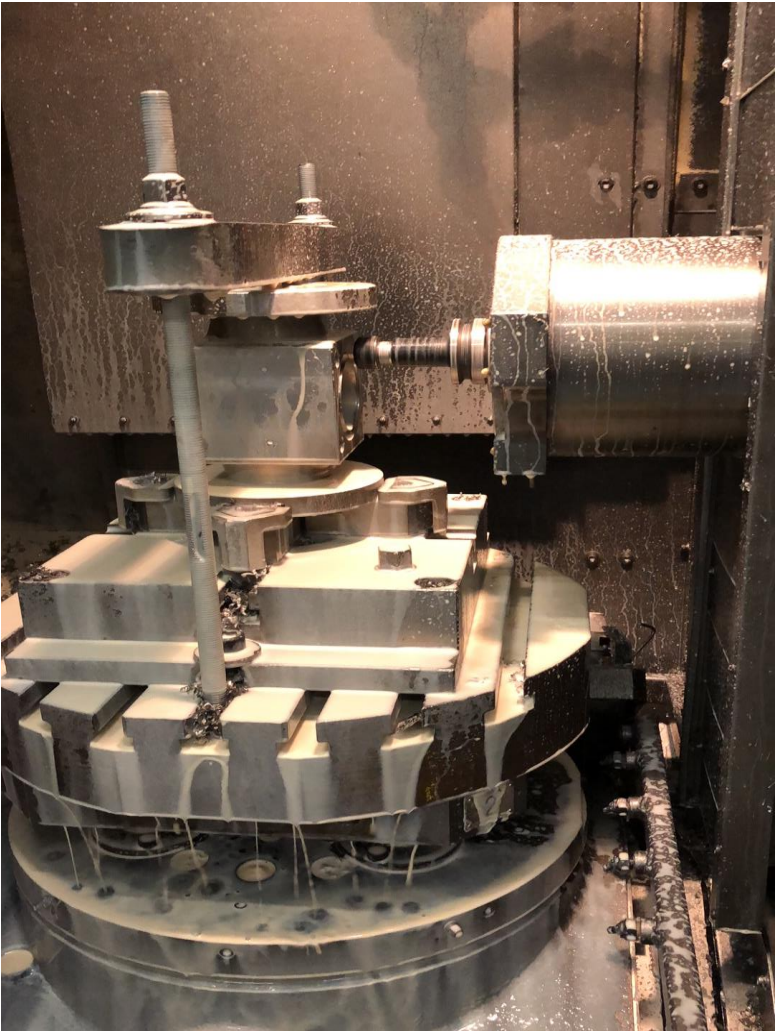


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# Production Facility



valve  
solutions &  
technology



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# Valve Testing Department (Test Bench 1)



valve  
solutions &  
technology



Range 1/2 - 24 inch

Gas testing 0 - 7 bar / 100 psi

Liquid testing 1550 bar / 10,150  
psi.

The tilting clamping system combines the positive effects. It enables easy clamping and testing in any position between 0 - 90° to prove the integrity in the same position the valve is supposed to perform in practice.

Ventil Test Bench up to 120 ton clamping force system and 24"

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# Tilting demonstration movie



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# Valve Testing Department (Test Bench 2)



Range 1/2 - 16 inch

Gas testing 0 - 200 bar / 100 psi  
(high pressure gas testing upto 2150 bar gas bunker)

Liquid testing 700 bar / 10,150 psi.

Ventil Test Bench 50 tons proportional clamping force up to 16"

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# Valve Testing Department (HP Gas Bunker)



valve  
solutions &  
technology



High Pressure Gas booster up to 2150 bar



Valve Test Bunker

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# VS-T Projects



Super Duplex 8" 5000 PSI ball valves



valve  
solutions &  
technology

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# VS-T Projects



valve  
solutions &  
technology



2" class 1500 ball valves



3" class 600 DBB ball valves



2" class 300, needle valves, quill design

# VS-T Projects



3" class 900 Top Entry Ball Valve, lipseal design



2" class 1500 Dual plate check valve



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# VS-T Projects



3" class 1500 globe valve Duplex



2" class 1500 check valve



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technology

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# VS-T Projects



valve  
solutions &  
technology



3" class 1500 side entry ball valve



2" class 2500 Gate Valve special hub ends

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valve solutions & technology



AkerBP



Statoil

Petrofac



Ultra low emission technology

