



The Fast-track manufacturer for valves







Introduction



BSM Valves are specialists in the design and production of hard to obtain valves in special materials such as duplex/superduplex, titanium and nickel alloys.

All valve are custom-made and made from forgings, bar material and centrifugal castings.

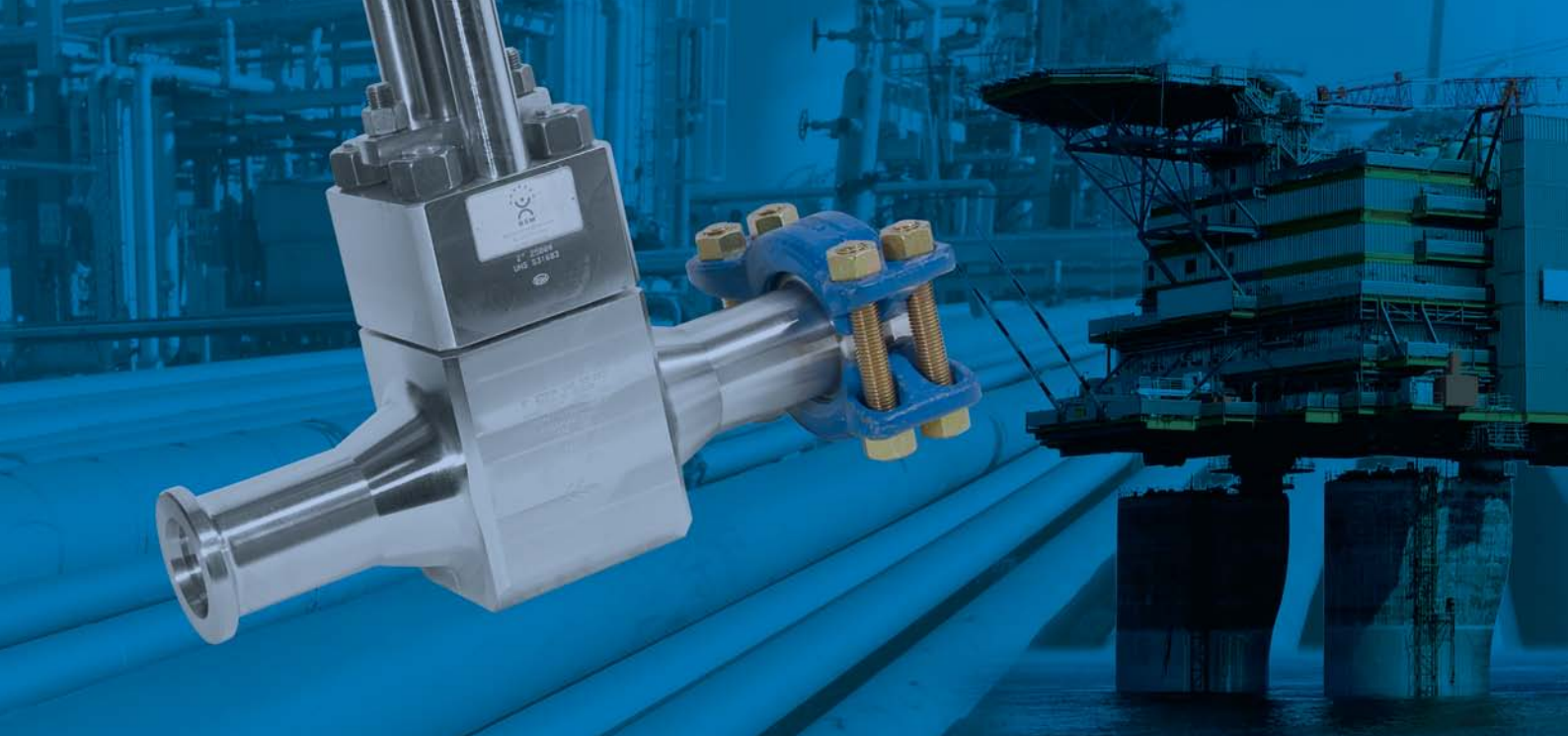
Advantages of these production methods:

- ▶ no cracks or porosity
- ▶ homogeneous materials
- ▶ increased strength and wall thickness safety factor

The valves are intended for a wide range of applications, such as oil and gas, chemical, petrochemical, energy and process industry. BSM Valves designs and manufactures valves in the company's own engineering and production facilities.

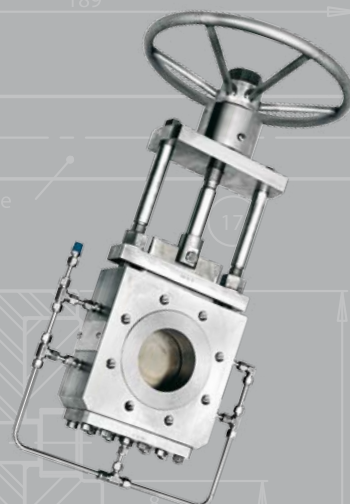
By making parts of the valve in-house, we have control over product quality and lead times.

BSM Valves proposes flexible and competitive solutions.



We currently manufacture the following products:

- ▶ **Ball Valves**
Floating Ball / Trunnion mounted / Metal Seated / Soft Seated / Top entry / One piece body / Split body / Three piece body / 3-way / Wafer type / Subsea
- ▶ **Gate Valves**
Flexible Wedge / Solid Wedge / Through Conduit / Double expanding / Extended bonnet / Screwed-in seal-welded bonnet / Pressure sealed bonnet / Bellow sealed
- ▶ **Globe Valves**
Regulating type / Straight type / Y-type / Angle-type / Extended bonnet / Screwed-in seal-welded bonnet / Pressure sealed bonnet / Bellow sealed
- ▶ **Check Valves**
Ball type / Piston type / Swing type / Dual Plate / Single type / Nozzle / Wafer type / Lugged type
- ▶ **Double block and Bleed Valves**
Modular design / Ball type and Gate type
- ▶ **Monoflange process to instrument valves**
Integral design
- ▶ **Tailor Made Valves**
Designed, calculated, produced and tested according to customer's requirements.

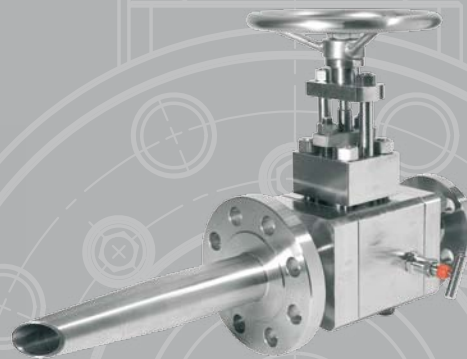
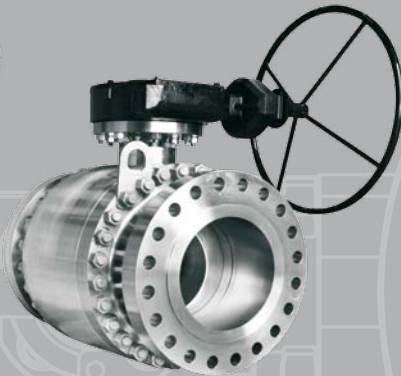




Delivery program



DETAIL B



We produce valves in sizes from 1/4" up to 24" and in pressure ratings of 150lbs up to API 15.000.

Temperature ratings range from -196°C up to +550°C.

Valves can be supplied with any kind of actuator, such as electric, pneumatic and hydraulic.

Depending on the application, BSM Valves provides a wide variety of trim materials.



BC. Ø 190,50 (8x7/8"UNC)



Materials and stand



We can supply our valves in all type of materials, for each particular service condition

A105/N
A350 LF2 – LF3
A182 F5 – F11 – F22 – F91
A182 F304/L – F316/L – F321/H
A182 F44 (6Mo)
A182 F51 (Duplex)
A182 F53 – F55 (Super Duplex)
Monel®
Inconel®
Incoloy®
Hastelloy®
Ferralium®
Nickel alloys
Alloy 20
Tantalum
Zirconium
Titanium
Cunifer
Bronze
AISI 4130 – 4140

In case of unlisted material, please contact BSM Valves.



ards

Standards and design codes

- API - American Petroleum Institute
- ANSI - American National Standard Institute
- ASME - American Society of Mechanical Engineers
- ASTM - American Society of Testing and Material
- BSI - British Standards Institution
- ISO - International Organization for Standarization
- DIN - Deutsches Institut vor Normung
- NACE - National Association of Corrosion Engineers





BSM Valves are able to do all valve testing in house. Due to the rapid growth of turn over by BSM Valves the need to be able to test in house and so greatly reduce turnaround on testing became apparent which lead to the development of the BSM Valves test department. Having an in house testing department also gives us the opportunity to speed up our R&D efforts and is such used as a very effective engineering tool.

To guarantee effectiveness BSM Valves has attracted, assembled and developed the following:
Trained and experienced staff - Internal training and education program. This is also available for other companies or third parties - State of the art equipment for helium sniffing - High pressure testing equipment, including a safety bunker

General safety procedures include constant air sampling and alarming when oxygen levels drop below a safe level, as is mentioned in Dutch labor laws

BSM Valves, through the years, has gathered experience with API, BS, ASME, ISO (5208, 15848-1 and 2), Shell SPE, TA Luft, customer or project specific specifications and many more....

BSM Valves are able to assist in developing test specifications for specific jobs and specific projects.

Focal points in the BSM Valves test array are:
Cryogenic testing - Helium sniffer testing - High pressure gas testing - Mechanical Endurance testing

Besides physical valve tests BSM Valves can also perform: **PMI (Positive Material Identification) - LDE (Liquid Dye-penetrant Examination) - MPE (Magnetic Particle Examination) - Hardness measurement (Portable) - Surface Roughness measurements - Coating thickness measurements**



Test Department



Hydraulic testing



Cryogenic tested valve



Fire Safe test



Sniffer test and booster pump



Cryogenic testing



Quality assurance



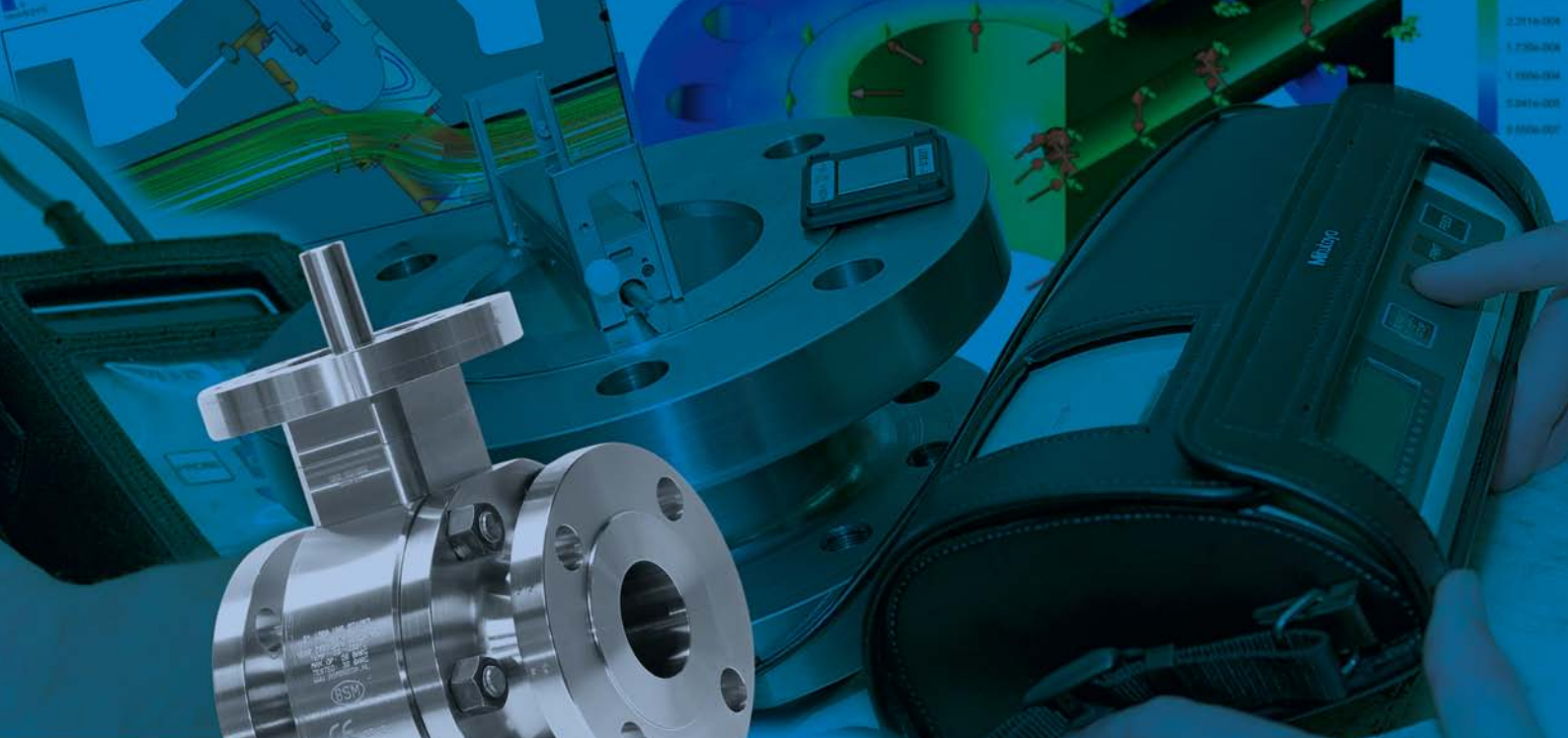
BSM Valves is totally committed to quality and an optimal integration of all departments. With the Quality Assurance and Quality Control procedures we follow, all our products are designed, manufactured and delivered in accordance with customer requirements

Research and development

Research is an important part of our company strategy and we pride ourselves in our ability to provide our customers with modern and effective design solutions.

With customer requirements changing frequently, we and our customers strongly benefit from our expertise.

As a result, we develop new products and make product improvements.



**Lloyd's
Register**

EC CERTIFICATE OF CONFORMITY
In accordance with the requirements of the Pressure Equipment Regulations
Directive 97/23/EC and the Pressure Equipment Regulations 2001 and SI 2002 No. 1201
UK Statutory Instruments
Management System of:



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**BSM Valves B.V.
Breda, The Netherlands**

has been approved by Lloyd's Register Quality Assurance
to the following Quality Management System:

and Strainers

quality system in accordance
and Regulations.

Identification Number in
and Regulations in relation
to the products shown below:

**FIRE TEST
QUALIFICATION
CERTIFICATE**



Double Block & Bleed Valve (Needle Valve not tested)

1" Full Bore

600

No Data

UNIS S31803

Item
Size

Verification



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The Netherlands

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