10/16

schneider
Tailored to Your Business

FOCUS

ADIPEC
in Abu Dhabi (U.A.E.)
07 – 10 Nov. 2016
Hall 8 / Booth 8852

Valve World
in Düsseldorf (Germany)
29 Nov. – 01 Dec. 2016
Hall 03 / Booth 3F85

INOXRIVA®

6092 PSI

+++FOR USE UNDER EXTREME CONDITIONS+++

Metal Seated DBB Valves for a reliable primary isolation

In chemical plants and the oil and gas industry the pressure must be continuously monitored and measured in the pipework. Therefore, as primary isolation valves on the pressure tapping points, special valve solutions are needed to separate reliable the impulse lines and process lines from each other.

Our Advice

AS-Schneider recommends their compact VariAS-Block Series for the above mentioned applications. The VariAS-Blocks are designed to replace conventional, multiple-valve installations and are close coupled to the process piping flange, for connecting process to instruments.

The proven VariAS-Blocks are now also available with a Metal Seated Ball Valve Design. This not only allows reliable pressure measurements, but also protects people and the environment from dangerous and harmful process media.

Your Benefit

- Compact, Space and Weight Saving Assembly
- Simplifies the Installation
- Reduces Potential Leak Points
- Reduces Installation and Maintenance Costs
- Accurate Measurement Results

Features

- Valve Seats made of PTFE Compound or PEEK as standard
- Metal Seated Design optional
- Max. allowable (Working) Pressure (PS): 6,092 psi (420 bar)
- Max. allowable Temperature (TS): 450°F (232°C)
- Fire Safe Tested and Certified acc. to ISO 10497 and API 607

The Metal Seated VariAS-Blocks are especially suitable for use under extreme conditions.

EXPERT ADVICE

Metal Seated VariAS-Blocks score above all with their high reliability.

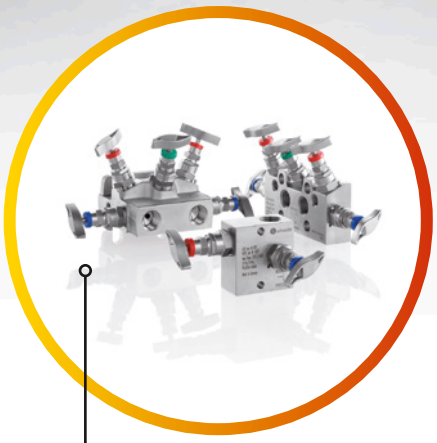
Even large temperature fluctuations, pressures up to 420 bar, high contamination levels and aggressive process media are no problem for the metal seats.

Fire Safe Approval

ABSOLUTELY SAFE IN CASE OF FIRE

AS-Schneider offers a number of different valves and manifolds with Fire Safe Approval – meaning that the valves offer a safe and reliable shut-off also in case of fire. The valves tested work safe and reliable under extreme test conditions.

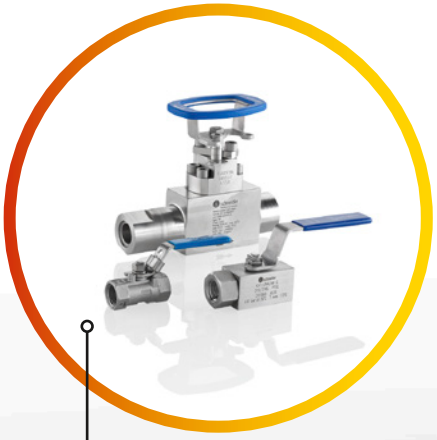
In many cases, reliable fire protection is essential for industrial valves. Finally, they are responsible for safety in tough applications, for example in the oil and gas industry or in the chemical and petrochemical industry. They must guarantee a reliable and safe shut-off in case of fire. This has been certified by the TÜV SÜD with the Fire Safe Approval for different valves and manifolds of AS-Schneider. The test basis at AS-Schneider is ISO 10497 'Testing of valves – Fire type-testing requirements' and API 607 'Fire Test for Quarter-Turn Valves and Valves Equipped with Nonmetallic Seats'.



E Series Valves and Manifolds

How the test is carried out

The Fire Safe Type Test ensures that the needle valves and ball valves offer a safe and reliable shut-off also in case of fire. For this test, the needle valves and ball valves are exposed to certain fire conditions – completely enveloped in a 750°C – 1,000°C (1,382°F – 1,832°F) flame for 30 minutes – in the presence of a 3rd party inspector. The burn duration of 30 minutes was selected because it represents the maximum time required to extinguish most refinery fires. Directly after switching off the fire the valves are force cooled by water (within 10 minutes to below 212°F [100°C]). That simulate the extinguishment with water. The leakage from the valve seat and the external leakage are measured for the entire duration of the test. The leakages may not exceed a specific limit value. The valve is then tested again to ensure that it is operable.

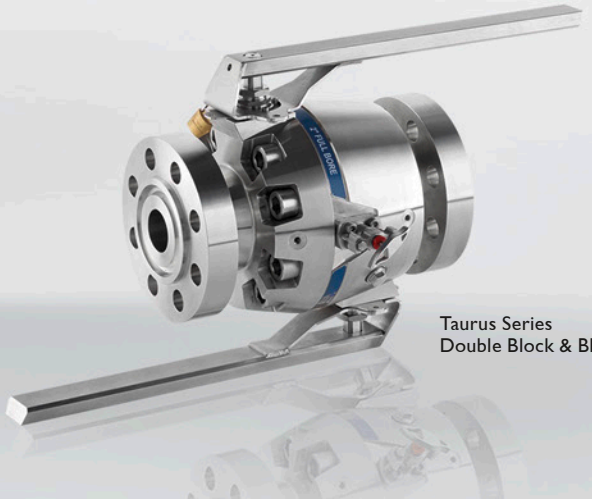


Ball Valves

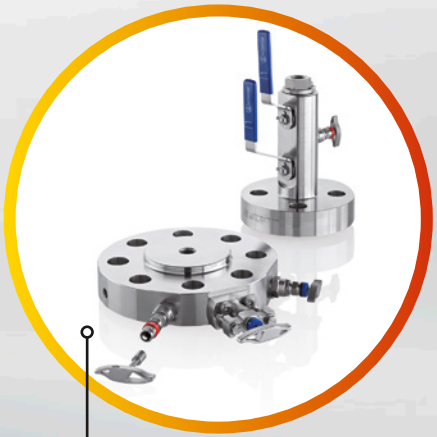
Fire safe and leak-free

The needle valves and ball valves of AS-Schneider met these requirements with flying colours: The inspector could not identify any leakage during testing and there were no limitations in the operability of the valves after the testing. They could easily be repeatedly opened and closed.

To guarantee the external tightness, only graphite or metallic seal rings are used for stem and body seals.



Taurus Series
Double Block & Bleed Pipeline Ball Valves



Monoflange & VariAS-Blocks

AS-Schneider is one of the World's Leading Manufacturers of Instrumentation and Pipeline Valves.

Today we are supplying a range of Process to Instrument Valves (VariAS-Blocks) DN 10 (Bore Size 10 mm), DN 15 (Bore Size 14 mm) and DN 20 (Bore Size 20 mm) as well as Double Block & Bleed Pipeline Ball Valves (Taurus Series), starting with DN 25 (1") and presenting now the DN 150 (6") type.

We are presenting this 6" Double Block & Bleed Pipeline Ball Valve of our Taurus Series in Abu Dhabi, on the occasion of ADIPEC 2016 (Booth 8852) in an eye-catchingly luminous green.

HARD AT WORK IN THE PIPELINE

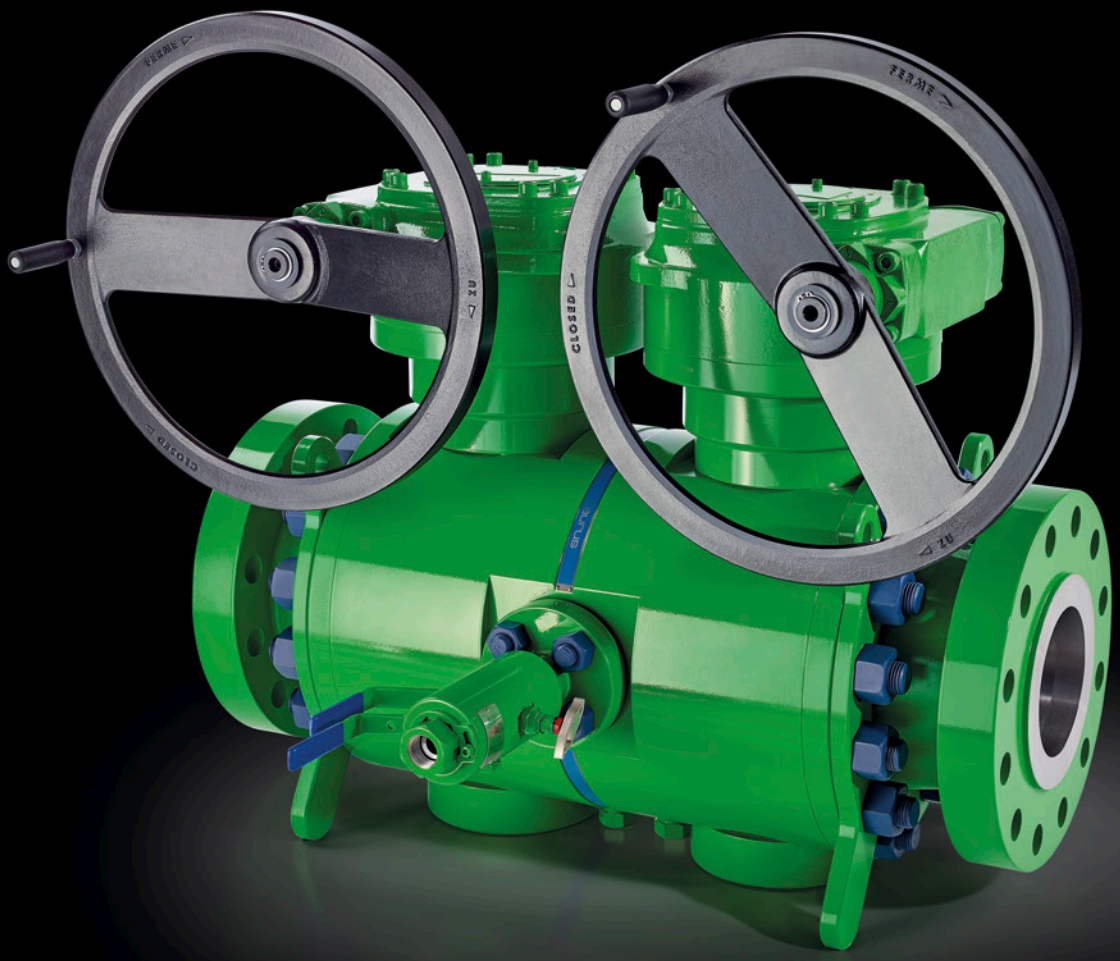
Taurus Series Double Block & Bleed Pipeline Ball Valves

Features:

- 2 Piece or 3 Piece Design
- 1" up to 6"
- Full Bore or Reduced Bore
- Floating Ball Design and Trunnion Ball Design
- Class 150 up to 2,500
- Bi-Directional and Anti-Static Design
- Anti-Blowout Stem

Developed and Designed in accordance with common Industry Standards:

- API 6D / ISO 14313
- ASME B16.34
- Fire Safe Tested and Certified acc. to API 607 and ISO 10497
- Tested and Certified for Fugitive Emissions acc. to ISO 15848-1
- NACE MR0175 and ISO 15156
- Pressure Equipment Directive (PED)



The Taurus Series Ball Valves are State-of-the-Art Valves.

Developed and re-engineered using the latest design and simulating methods paired with decades of experience!

SAFE & EASY OPERATION

15,000 psi

High Pressure Needle Valves

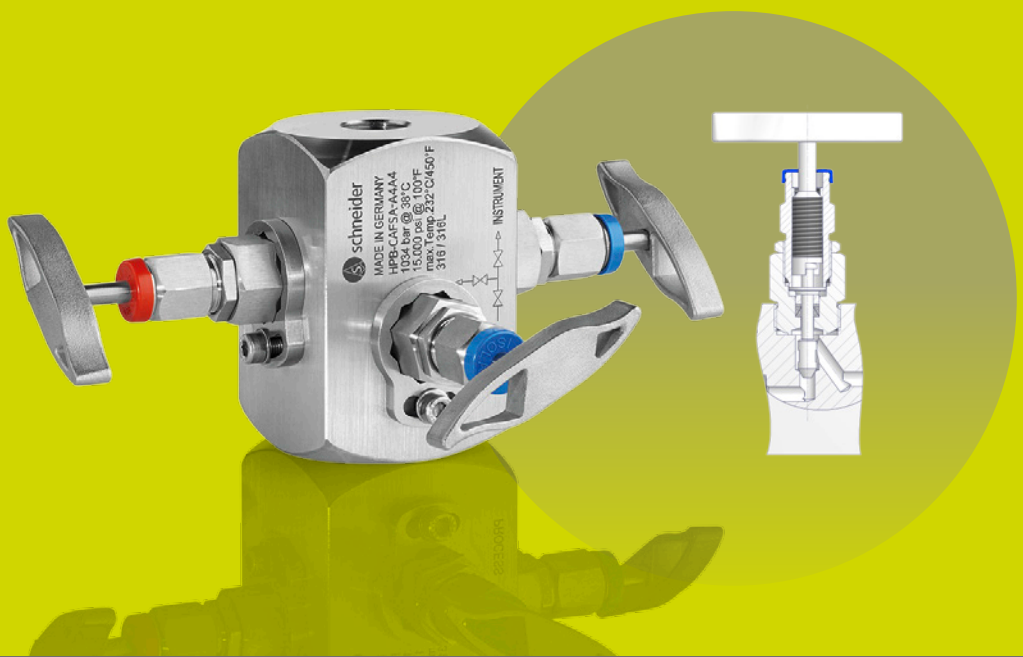
The AS-Schneider High Pressure Needle Valves are designed for applications in various industries such as Oil & Gas, Chemical, Petrochemicals and many more. We are supplying high-quality needle valves with interesting features related to the functionality of the valves.

For these 15,000 psi (1,034 bar) rated needle valves NPT threads still can be provided, but we recommend the use of coned and threaded connections. They can be fitted and disconnected several times.

The valves are supplied as standard in 316 stainless steel and are suitable for sour gas service according to NACE MR0175/MR0103 and ISO 15156 (latest issue). Exotic alloys are available on request.

Features and Benefits:

- Ergonomic T Handle Design – Positively locked. Means, stem and T Handle are connected by a square and positioned by a set screw
- High Wear Resistant, hard coated stem thread
- Non-rotating Needle – For smooth operation and minimum wear of sealing elements
- Needle Seal in PTFE
- Back Seat – Metal to Metal secondary needle seal → anti-blowout/non-removable – For your safety
- Special Thrust Bearing of the stem/valve tip connection to absorb highest stem forces
- Locking Plate – Eliminates unauthorized removal of the bonnet
- All Non-wetted Parts in 316 Stainless Steel
- Color Coded Dust Cap – For operating thread protection



EXPERT ADVICE

Metal to Metal secondary Back Seat provides an additional sealing to atmosphere and releases if use the packing. Means, less wear on packing and more safety for the user → anti-blowout / non-removable.

Special thrust bearing of the stem/valve tip connection to absorb highest stem forces.

SMART + EASY ASSEMBLY

Close-coupled Installations D Series Hook-ups

Various Close-coupled Installation Methods became accepted in certain industries, this is the case especially in the Chemical Industry.

What is the meaning of Close-coupled Installations?

Close-coupled = Valves, Manifolds and Pressure Instruments are directly connected to the process pipework without using any impulse piping. The Hook-ups are flanged, welded or threaded to the process pipework. AS-Schneider is providing multiple Close-coupled Solutions, such as VariAS-Blocks, Monoflanges, Schneider DirectMount Systems, D Series Hook-ups and many more.

What is included in a Close-coupled D Series Hook-up?

The Hook-ups are made of combinations of valves, manifolds, piping components, gaskets, bolts, special products and flush rings.

What kind of materials can be provided?

Standard materials are Carbon Steel (A105/LF2) and 316 Stainless Steel. Exotic Materials like Alloy 400, Alloy C-276, Duplex, Superduplex and more are continuously supplied as well as Hook-ups with one to multi-layer painting.

What kind of valve types are typically used?

Needle Type Globe Valves, Gate Valves, and Ball Valves – soft seated or metal seated – are used as primary shut-off device. Soft seated or hard seated manifolds are used to disconnect the pressure instruments from the process pipework.

Benefits of Closed-coupled D Series Hook-ups:

- Prefabricated Assemblies Minimizes Site Work
- Reduced Installation and Testing Costs
- Available in a Huge Variety of Options
- Elimination of Threaded Connections and Impulse Piping
- Fully-welded Ball Valves and generally Reduced Potential Leak Points are Reducing Fugitive Emissions
- Most of the Valves and Manifolds are Soft Seated and therefore Fully Roddable
- Eliminates Condensation and Plugging of Long Impulse Lines Improving System Reliability