

DOUBLE SAFETY HALF SPACE

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") up to DN 150 (6") type.

The Double Block & Bleed Pipeline Ball Valves of the Taurus Series consist of a Double Block and Bleed Design made of two Isolation Valves and a Vent Valve and are available in nominal sizes from two to six inches. Depending on the type, they can withstand pressures up to 6,092 psi (420 bar). The Taurus Series is specially designed according to the standard API 6D / ISO 14313 and is therefore particularly suitable as a positive isolation for oil and gas pipelines.

Reliable fire protection and the highest tightness class with regard to volatile emissions are essential for these applications.

TÜV SÜD has certified the Taurus Series with both – with the Fire Safe and the ISO 15848-1 type testing.

SAFE AND TIGHT – ALSO IN TICKLISH SITUATIONS

The Fire Safe Test ensures that the Valves offer a safe and reliable shut-off in case of fire. For this, the Ball Valve is exposed to fire for half an hour in the presence of the TÜV SÜD where the flame temperature must be maintained between 1,382°F (750°C) and 1,832°F (1,000°C). The duration of half an hour is roughly the time that the plant fire brigade needs to start fighting the fire. Immediately after switching off the fire, the valve is force-cooled with water which simulates extinguishing with water. During the entire duration of the approval, a leakage value, which is defined in the standard, must not be exceeded.

ISO FE Approval certifies the Ball Valves so that they meet the strict requirements of the ISO 15848: They meet the highest tightness class 'A' and are built to last. The Ball Valves are designed for pressure of up to 6,092 psi (420 bar) and temperatures from -20°F to 392°F (-29°C to 200°C) .

WHAT MAKES THE TAURUS DESIGN SO SAFE?

To reliably prevent leakage to atmosphere, AS-Schneider uses only AED O-Rings and Graphite gaskets for stem and body seals.

The packing of the OS&Y Bleed Valve is disc spring loaded. On the one hand, the disc springs provide a low maintenance and secure sealing, and on the other, the different linear expansions due to temperature differences are balanced, which allows a positive seal on the valve seat.

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