Press release

Nordheim, 06/09/2012

The success story of the ISO FE Series goes on - Process Monoflange with the new valve technology

This year AS-Schneider engineers have been given the task of consistently transferring the tried-and-tested valve technology of the successful ISO FE Series to the OS&Y valve bonnets of the AS-Schneider Process Monoflange.

But that has not been enough for the creative team. The new OS&Y valves now satisfy even the maximum endurance category CO3 (2,500 mechanical / 4 thermal cycles) for the top tightness class 'A'.

All three types were tested and certified in accordance with the stringent requirements of ISO 15848-1 and therefore meet the maximum requirements in terms of endurance and tightness. TÜV SÜD certified the two-week long type test.

ISO FE valve bonnets can be supplied in the three tried-and-tested AS-Schneider designs. Pressure rating 420 bar / Class 2,500 applies to all types:

Schneider Type	Sealing systems	Performance data
ISO FE Type 1	FPM O-ring + graphite packaging	Class A: 2,500 cycles / –29°C to 40°C Class A: 500 cycles / –29°C to 200°C Class B: 2,500 cycles / –29°C to 200°C
ISO FE Type 2	FPM O-ring + graphite packaging	Class A: 2,500 cycles / –29°C to 40°C Class A: 1,500 cycles / –29°C to 200°C Class B: 2,500 cycles / –29°C to 200°C
ISO FE Type 3	PTFE / carbon-filled PTFE	Class A: 2,500 cycles / –29°C to 40°C Class B: 2,500 cycles / –29°C to 200°C

Entirely without initial shut-off valve

The AS-Schneider OS&Y valve bonnet has been designed in such a way that the primary isolation valve of the pressure instrument take-off has been completely replaced. This means the Process Monoflange is directly mounted to the process line.

For ISO FE types 1 and 2 AS-Schneider has also had a fire safety type test carried out to ISO 10497 by TÜV SÜD, parallel to the type test to ISO 15848-1.

Here too, the valve bonnet passed with flying colours. The entry 'leakage rate 0 ml' was quite often to be seen in the test log. This means that the AS-Schneider valve is still able to offer a complete seal even when exposed to the extreme impact of fire.

schneider
Tailored to Your Business

Non-wetted parts in 316 stainless steel for operation in corrosive environments

Colour coded dust cap for operating thread protection

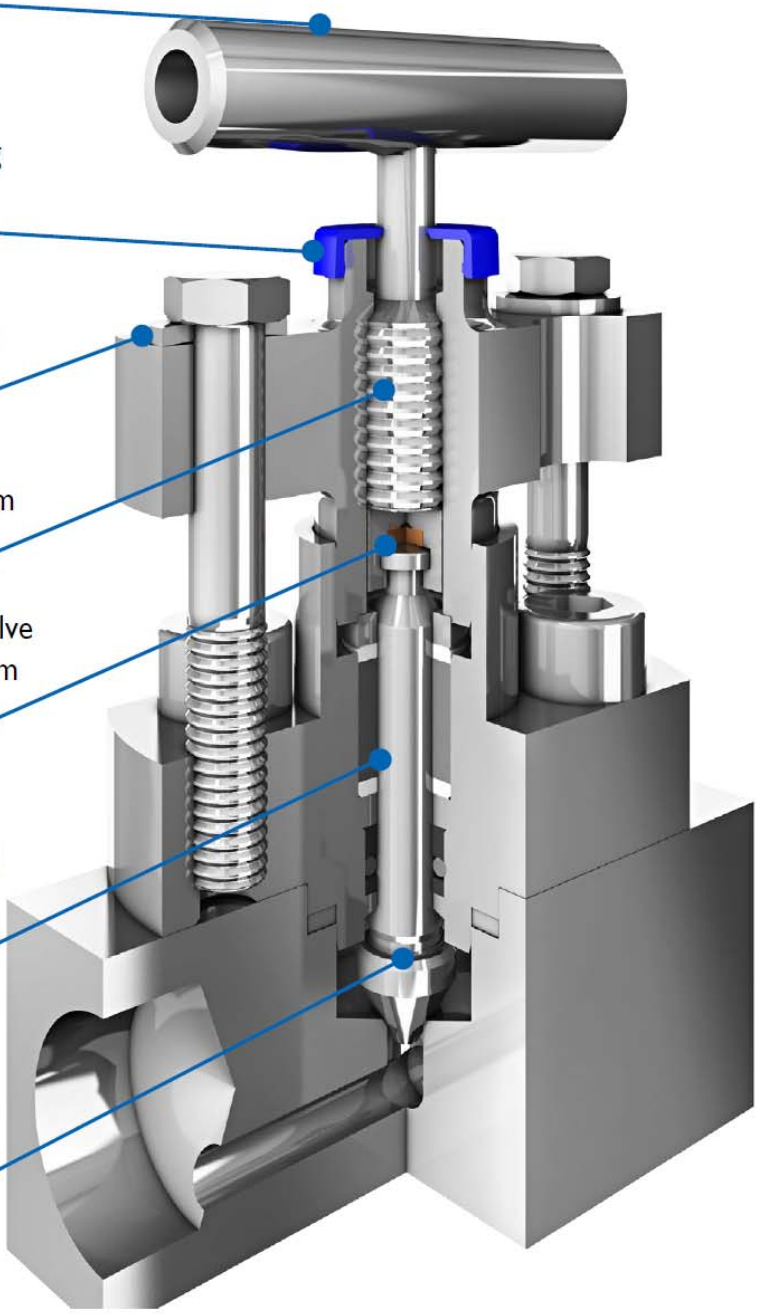
Spring washers for compensation of thermal expansion

High wear resistant, hard coated stem thread

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

Non-rotating stem for low actuating forces and minimum wear of the sealing elements

Metallic back seat for emergency stem sealing and stem blow out protection



AS-Schneider consistently develops the low-emission ISO FE Series

A special ball valve that conforms to ISO 15848 will shortly be available. This is used, for example, in the VariAS-Block from AS-Schneider. Experience that our engineering team has had with the development of the new 'A' class version has also gone into existing standard designs. Our customers are therefore not only able to benefit from the high-end product itself, but also from the technology transfer to standard products.

We are sure that this development will set new standards.

Would you like more information? Then just send us an e-mail to kontakt@as-schneider.com. We look forward to hearing from you.

Contact data:
Armaturenfabrik Franz Schneider GmbH + Co. KG
Anastassija Kinstler
Marketing
Bahnhofplatz 12
74226 Nordheim
Deutschland / Germany