Maxseal is a name traditionally associated with process management in the most exacting environments, from the North Sea to South-East Asia, through North Africa, South America and the Middle East. Indeed, Maxseal instrumentation solutions have a proven track record of safety and reliability.
Intrinsically safe, pilot-assisted solenoid-operated valves for the control of either pneumatically or hydraulically actuated equipment.

The famous 1/4" or 1/2" stainless steel, 3-port, direct-acting ICO4S solenoid valve for instrument changeover duties offers the offshore and petrochemical industries a uniquely reliable and heavy-duty unit.

The range includes 2 and 5-port configurations, as well as ICO4N and ICO4P variants for specific applications.

Maxseal ICO4S - Market Leader in Instrument Changeover

HAZARDOUS AREA

INTRINSICALLY SAFE SOLENOID TYPE ICO2S EX.

SAFE AREA

- THE POWER TO THE INTRINSICALLY SAFE HAZARDOUS AREA EQUIPMENT IS SUPPLIED VIA A CERTIFIED ENERGY LIMITING DEVICE, WITH AN ELECTRICAL OUTPUT THAT DOES NOT EXCEED 28V OR 300 mA AND 1.3W.

Maxseal ICO2S - Reliability and Long Life in Hazardous Area Applications

Intrinsically safe, pilot-assisted solenoid-operated valves for the control of either pneumatically or hydraulically actuated equipment.
Maxseal ICO3 - Compact Lightweight Low-Power High-Force Modern Solutions

- A compact, lower power and reduced weight unit, specifically geared to today’s requirements in the oil and gas and petrochemical industries. With its dual-certified solenoid magnetically fine-tuned to operate a 1/4" valve at 2W, yet retaining the traditional Maxseal generous operating forces and safety margins, the ICO3 is typically suited to applications such as emergency shutdown systems (ESD).
- Direct-lift, balanced and universal poppet valve design
- NACE compliant 316 stainless steel enclosure and valve assembly
- Standard HNBR seals or other options
- Continuous duty class H coil
- IP66/X8
- 0-12 bar gas and hydraulic media
- Low-power 2W/24V DC solenoid
- Fast 80 ms pull-in and 60 ms drop-out
- Cv 0.6
- Lightweight 2 kg
- -50 to +90°C
- Surge suppression diodes fitted

Maxseal SOV - Instrument Changeover and Process Control for Hazardous Areas

- Direct-acting solenoid valves certified for hazardous area use as well as general air, gas and liquid handling in oil and gas and petrochemical applications, including gas turbine fuel-supply control and the water industry.
- 1/2" to 4" connections
- Flanged or threaded
- Up to 207 bar (3000 psi)
- Position indicator
Maxseal IFR3 & IFR4 Filter-Regulators - A Tradition of Integrity

Maxseal all stainless steel 1/4" - 1/2" IFR3 and IFR4 instrument filter regulator series for accurate pressure control with manual or automatic drain function.

Maxseal Ancillary Equipment

- Relief valves
- Quick exhaust valves
- Manual valves
- Air operated valves

Maxseal Custom Packages

The Thompson Valves design and manufacture capability offers, in addition to solenoids and accessories, purposeful assemblies featuring IVP and Maxseal pressure and flow controls. Typically, these include manifolds for actuator control, skids and actuated valve packages.
Thompson Valves has consistently set rigorous standards worldwide, in exacting process-management duties such as in the oil and gas and petrochemical industries.

- ATEX-certified, low power consumption, fast-acting, 5-million cycle life, instrument changeover valves
- Industry standard evolved from a proven direct-acting concept
- Suitable for use in SIL 3 and 4 systems
- GOST R and K approvals
- Half a century of reliable performance in safety-critical environments

Certification and approvals for use in hazardous areas

- Cryostable options for extreme low-temperature environments
- Resilient, compact and lightweight design
- Choice of materials to suit process requirements
Thompson Valves Ltd is internationally renowned for the high technical added value of strong dedicated brands such as Maxseal solenoid valves and IVP pressure regulators. They are specified and trusted for their performance and reliability in exacting applications all over the world.

Maxseal - An Outstanding Track Record

Talk to Us

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