Self-Actuated Regulators Ensure Continuous Operation

FISHER™

Ideal Choice for Pump Protection in Firewater Protection Systems

FPSO Industry Overview

A Floating Production, Storage and Offloading (FPSO) is a floating tank system used by the oil and gas industry particularly in offshore operations. Floating production vessels are built with processing facilities, allowing it to handle the oil or gas it receives from nearby platforms or templates. Processed oil or gas is stored in the FPSO until a sufficient amount has been collected to fill a tanker, at which point, the unit offloads the stored material using a loading hose into a tanker going ashore.

FPSOs have been in service since the 1970's. Its use has grown more popular as oil and gas exploration moves further offshore. FPSOs are a more economical alternative to installing long-distance seabed pipelines connecting oil wells to an onshore terminal.

The Regulator Advantage

The environmental, safety and health considerations are a primary concern on an FPSO or other offshore platforms. In the event of a fire there is an increased probability of a power outage. Regulators have the distinct advantage over control valves for use in fire protection systems because they are self-actuated and therefore require no external power supply to operate. The use of self-actuated regulators ensures continuous operation and functionality of the fire protection system regardless of the status of the external power.

Emerson Solution

Fisher™ regulators are used in many applications and industries that require reliable and accurate regulation. Emerson has provided many successful FPSO installations worldwide.

Common FPSO applications:

- Pressure Reducing and Backpressure Control for Instrument Air Supply
- Nitrogen Distribution
- Seawater Distribution
- Firewater System

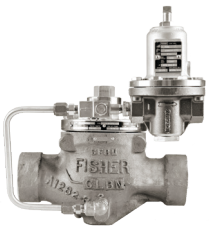
To keep up with the requirements for a severely corrosive environment, Fisher™ regulators are engineered for use in Offshore/Seawater applications using robust constructions such as Monel®, Hastelloy®, and Nickel-Aluminum-Bronze body materials. A comprehensive range of Fisher pressure regulators suitable for gases, liquids and steam is also available.

Fisher™ Offshore / Seawater Products

Pressure Reducing

Type MR95H

- Direct-Operated
- Multi-Purpose - Used in various applications
- Rugged Construction
- Multiple End Connections Available
- Available in Differential Pressure Control, High Temperature and High Pressure Optional Constructions
- Easy Maintenance
- Available in Nickle-Aluminum-Bronze and other High-Nickle Alloy Materials



Type LR125

- Pilot Operated
- Versatile Regulator with Optional High Erosion Diaphragm
- Full Stainless Steel Construction
- Easy Maintenance
- High Capacity
- Available in Nickle-Aluminum-Bronze and other High-Nickle Alloy Materials

Type 1098

- Pilot-Operated
- NPS 1 through 12 x 6 / DN 25 through 300 x 150 Body Sizes Available
- Quick Change Trim Package
- Optional Noise Abatement Trim (Up to 30dBA reduction)
- No Atmospheric Bleed
- In-Service Travel Inspection
- Easy Top Entry In-line Maintenance
- Available in Nickle-Aluminum-Bronze and other High-Nickle Alloy Materials

Type MR105

- Direct-Operated
- Multi-Purpose Regulator
- Available in Multiple Materials, Connections and High or Low Pressure Versions
- Available in NACE Constructions

Relief / Backpressure

Type MR98H

- Direct-Operated
- Multi-Purpose - Used in Various Applications
- Excellent Fluid Compatibility
- Close, Stable Regulation
- Available in Differential Pressure Control, High Temperature and High Pressure Optional Constructions
- Easy Maintenance
- Available in Nickle-Aluminum-Bronze and other High-Nickle Alloy Materials

Type LR128

- Pilot-Operated
- Accurate Liquid Backpressure Regulator
- Full Stainless Steel Construction
- Easy Maintenance
- High Capacity
- Available in Nickle-Aluminum-Bronze and other High-Nickle Alloy Materials

Type 63EG-MR98HM

- Pilot-Operated
- Versatility in Both Liquid and Gas Service
- NACE Availability
- Fast Speed of Response
- Low Build-up Capability
- Tight Shutoff
- Excellent Overpressure Protection
- Available in Nickle-Aluminum-Bronze and other High-Nickle Alloy Materials

Type MR108

- Direct-Operated
- Multi-Purpose Backpressure Regulator
- Available in High, Low or Differential Backpressure Versions
- Available in NACE Constructions
- Steel or Stainless Steel Constructions

Emerson Automation Solutions

Americas
T +1 800 558 5853
T +1 972 548 3574

Europe
T +39 051 419 0611

Asia Pacific
T +65 6777 8211

Middle East / Africa
T +971 4811 8100

webadmin.regulators@emerson.com
Fisher.com
Facebook.com/EmersonAutomationSolutions
LinkedIn.com/company/emerson-automation-solutions
Twitter.com/emr_automation

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