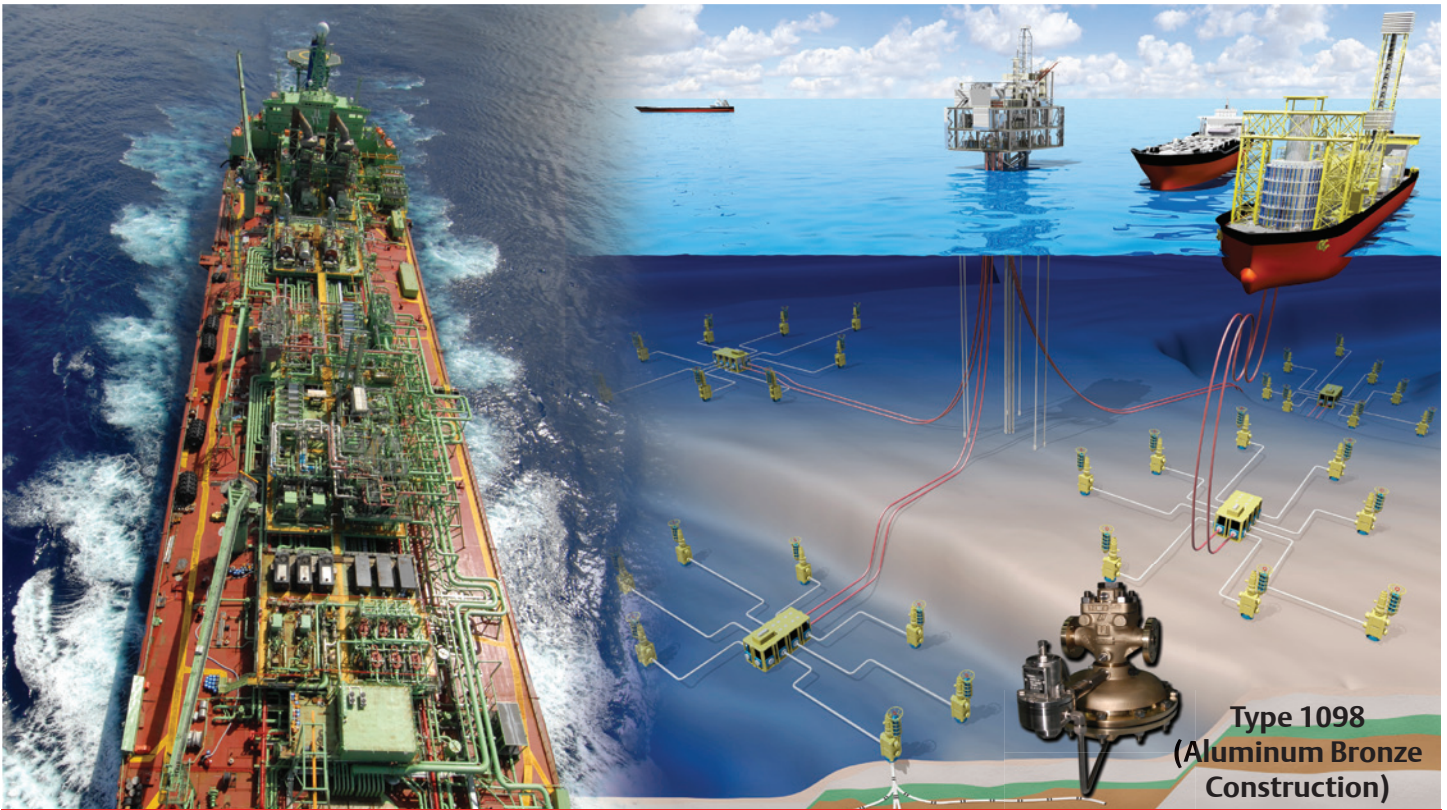


# FPSO Industry Solution



## 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 explorations moved farther offshore. FPSOs offer 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 Process Management Solution*

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

Our main applications for FPSOs are:

- 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, Emerson Process Management offers Fisher regulators with constructions that are suitable for Offshore/Seawater applications such as Monel® and Aluminum Bronze body materials. A comprehensive range of Fisher pressure regulators suitable for gases, liquids, and steam is also available.

Monel® is a mark owned by Special Metals Corporation.

**FISHER**

[www.fisherregulators.com](http://www.fisherregulators.com)

  
**EMERSON**  
Process Management

# Fisher® Offshore / Seawater Products

## Pressure Reducing

- 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



**Type 95H**

- 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



**Type 1098**

- Pilot Operated
- Versatile Regulator with Optional High Erosion Diaphragm
- Full Stainless Steel Construction
- Easy Maintenance
- High Capacity



**Type LR125**

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



**Type MR105**

## Relief / Backpressure

- 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



**Type 98H**

- Pilot-Operated
- Versatility in Both Liquid and Gas Service
- NACE Availability
- Fast Speed of Response
- Low Build-up Capability
- Tight Shutoff
- Excellent Overpressure Protection



**Type 63EG-98HM**

- Pilot-Operated
- Accurate Liquid Backpressure Regulator
- Full Stainless Steel Construction
- Easy Maintenance
- High Capacity



**Type LR128**

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



**Type MR108**

### Industrial Regulators

#### Emerson Process Management Regulator Technologies, Inc.

USA - Headquarters  
McKinney, Texas 75069-1872, USA  
Tel: +1 800 558 5853  
Outside U.S. +1 972 548 3574

Asia-Pacific  
Shanghai 201206, China  
Tel: +86 21 2892 9000

Europe  
Bologna 40013, Italy  
Tel: +39 051 419 0611

Middle East and Africa  
Dubai, United Arab Emirates  
Tel: +971 4 811 8100

For further information, visit [www.fisherregulators.com](http://www.fisherregulators.com)

D351863X012 © 2010, 2013 Emerson Process Management Regulator Technologies, Inc. All rights reserved.  
Printed in the U.S.A. and China. 05/13. Fisher, Emerson Process Management, and the Emerson Process Management design are marks of one of the Emerson Process Management group of companies. All other marks are the property of their respective owners.

### Our Global Product Brand:

