

# Types MR105 and MR108

High capacity industrial regulators.

**NEW**

TYPE MR105  
HIGH-PRESSURE  
ACTUATOR



TYPE MR108  
LOW-PRESSURE  
ACTUATOR



## Types MR105 and MR108

Types MR105 and MR108 regulators provide fast, accurate, and reliable pressure control for a variety of liquid and gas applications. A simple and durable design is utilized to withstand dirt and debris common in many liquid applications without sticking and without compromising shut-off performance. Applications include boiler feed water, cooling water, lubrication oil, and any critical service where the fluid is not free of impurities.

### Product advantages:

- Available constructions to meet NACE MR0175-2003 and NACE MR0103 requirements for Sour Gas Service Capability
- ANSI/FCI 70-3-2004 Class VI Shutoff
- Large Flow
- Travel indicator for Type MR105
- Fast Response
- Multiple end connection options
- Suitable for High-Temperature Applications up to 250°F (121°C)

### Features:

#### Actuator Type and Maximum Emergency Casing Pressure:

*Low-Pressure Actuator:* 70 psig (4,8 bar)

*High-Pressure Actuator:* 400 psig (27,6 bar)

#### Outlet Pressure Ranges:

5 to 300 psig (0,35 to 20,7 bar)

#### Temperature Capabilities:

*Nitrile (NBR):* -20° to 180°F (-29° to 82°C)

*Fluorocarbon (FKM):* 20° to 250°F (-7° to 121°C)

#### Downstream Control Line Connection Size:

1/2 NPT

#### Maximum Pressure Over Setpoint to Avoid Internal Parts Damage:

*Low-Pressure Actuator:* 20 psig (1,4 bar)

*High-Pressure Actuator:* 120 psig (8,3 bar)



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**EMERSON**  
Process Management

# The One Stop For Your Complete Industrial Regulating Solutions.

Fisher® pressure reducing and backpressure regulators are available in a wide range of sizes and constructions to satisfy your application requirements.

## Pressure Reducing



**Model.....Type MR105**  
 Body Size.....NPS 1, 2, 3, and 4  
 Outlet Pressure Range.....5 to 300 psig  
 .....(0,34 to 20,7 bar)  
 Maximum Inlet Pressure.....400 psig (27,6 bar)  
 Operation Method.....Direct-Operated  
 Body Material.....Cast Iron, Steel,  
 .....Stainless Steel  
 Bulletin No. ....71.1:MR105

## Backpressure



**Model.....Type MR108**  
 Body Size.....NPS 1, 2, 3, and 4  
 Control Pressure Range.....5 to 300 psig  
 .....(0,34 to 20,7 bar)  
 Maximum Inlet Pressure.....400 psig (27,6 bar)  
 Operation Method.....Direct-Operated  
 Body Material.....Cast Iron, Steel,  
 .....Stainless Steel  
 Bulletin No. ....71.1:MR108



**Model.....95 Series**  
 Body Size.....NPS 1/4, 1/2, 3/4, 1, 1-1/2, and 2  
 Outlet Pressure Range..... 2 to 400 psig  
 .....(0,14-27,6 bar)  
 Maximum Inlet Pressure.....600 psig (41,4 bar)  
 Operation Method.....Direct-Operated  
 Body Material.....Cast Iron, Steel,  
 .....Stainless Steel, Hastelloy C®, Monel®  
 Bulletin No. ....71.1:95



**Model.....98 Series**  
 Body Size.....NPS 1/4, 1/2, 3/4, 1, 1-1/2 and 2  
 Relief Pressure Range.....2 to 375 psig  
 .....(0,14 to 25,9 bar)  
 Maximum Inlet Pressure.....400 psig (28 bar)  
 Operation Method.....Direct-Operated  
 Body Material.....Cast Iron, Steel,  
 .....Stainless Steel, Hastelloy® C, Monel®  
 Bulletin No. ....71.4:98



**Model.....Type 1098-EGR**  
 Body Size..... NPS 1, 2, 3, 4, 6, 8 x 6, 12 x 6  
 Outlet Pressure Range.....14-inches w.c. to  
 .....300 psig (35 mbar to 20,7 bar)  
 Maximum Inlet Pressure.....400 psig (27,6 bar)  
 Operation Method.....Pilot-Operated  
 Body Material.....Cast Iron, Steel,  
 .....Stainless Steel  
 Bulletin No. ....71.1:1098-EGR



**Model.....Type 63EG-98HM**  
 Body Size.....NPS 2, 3, 4, 6, and 8 x 6  
 Relief Pressure Range.....15 to 375 psig  
 .....(1,0 to 25,9 bar)  
 Maximum Inlet Pressure.....450 psig (31,0 bar)  
 Operation Method.....Pilot-Operated  
 Body Material.....Steel, Stainless Steel,  
 .....Hastelloy® C, Monel®, and Alloy 20  
 Bulletin No. ....71.4:63EG-98HM

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