

Providing economical and accurate pressure control



FISHER™

Type 1098-63EGR Backpressure Regulator



Introduction

The Type 1098-63EGR backpressure regulator provides fast, accurate and reliable pressure control for gas leg backpressure applications. A simple and durable design is utilized to withstand dirt and debris common in many separator applications without sticking and without compromising shut-off performance. The primary application for this regulator is backpressure control on the gas leg of three phase separators.

Advantages

- In line maintenance
- ANSI/FCI 70-3-2004 Class VI Shutoff
- Large Flow
- Fast Response

Specifications

Working Pressure/Spring Range: 3 to 65 psig / 0.2 to 4.48 bar

Main Valve Sizes: NPS 1, 2, 3, 4, 5, 6, 8 x 6 and 12 x 6 /
DN 25, 50, 80, 100, 150, 200 x 150 and 300 x 15

End Connection Styles: Cast Iron - NPT or CL125 FF,
Steel or Stainless steel - NPT, BWE, SWE, CL150 RF, CL300 RF,
CL600 RF or PN 16/25/40

Temperature: -20 to 425°F / -29 to 218°C

C_v: Up to 662

Main Valve Body and Body Flange: WCC steel, Cast iron or
CF8M Stainless steel

Seat Ring and Valve Plug: 410/416 Stainless steel (standard),
316 Stainless steel

Actuator Diaphragm and Orings: Nitrile (NBR) (standard),
Fluorocarbon (FKM), Ethylenepropylene (EPDM) or
Perfluoroelastomer (FFKM)

Downstream Control Line Connection Size: 1/4 NPT



Oil and gas regulating solutions

Pressure Reducing



Type MR105

- **Body Size:** NPS 1, 2, 3 and 4 / DN 25, 50, 80 and 100
- **Outlet Pressure Range:** 5 to 300 psig / 0.34 to 20.7 bar⁽¹⁾
- **Maximum Inlet Pressure:** 400 psig / 27.6 bar⁽²⁾
- **Operation Method:** Direct-Operated
- **Body Material:** Cast Iron, Steel and Stainless steel
- **Bulletin No.:** 71.1:MR105



MR95 Series

- **Body Size:** 1/4 NPT, NPS 1/2, 3/4, 1, 1-1/2 and 2 / DN 15, 20, 25, 40 and 50
- **Outlet Pressure Range:** 2 to 400 psig / 0.14 to 27.6 bar
- **Maximum Inlet Pressure:** 1000 psig / 68.9 bar
- **Operation Method:** Direct-Operated
- **Body Material:** Cast Iron, Steel, Stainless steel, Hastelloy® C, Monel® and Aluminum-Bronze⁽³⁾
- **Bulletin No.:** 71.1:MR95

Backpressure



Type MR108

- **Body Size:** NPS 1, 2, 3 and 4 / DN 25, 50, 80 and 100
- **Control Pressure Range:** 5 to 300 psig / 0.34 to 20.7 bar⁽¹⁾
- **Maximum Inlet Pressure:** 400 psig / 27.6 bar⁽²⁾
- **Operation Method:** Direct-Operated
- **Body Material:** Cast Iron, Steel and Stainless steel
- **Bulletin No.:** 71.4:MR108



MR98 Series

- **Body Size:** 1/4 NPT, NPS 1/2, 3/4, 1, 1-1/2 and 2 / DN 15, 20, 25, 40 and 50
- **Relief Pressure Range:** 2 to 375 psig / 0.14 to 25.9 bar
- **Maximum Inlet Pressure:** 600 psig / 41.4 bar
- **Operation Method:** Direct-Operated
- **Body Material:** Cast Iron, Steel, Stainless steel, Hastelloy® C, Monel® and Aluminum-Bronze⁽³⁾
- **Bulletin No.:** 71.4:MR98



Type 63EG-98HM

- **Body Size:** NPS 2, 3, 4, 6 and 8 x 6 / DN 50, 80, 100, 150 and 200 x 150
- **Relief Pressure Range:** 15 to 375 psig / 1.0 to 25.9 bar
- **Maximum Inlet Pressure:** 450 psig / 31.0 bar⁽⁴⁾
- **Operation Method:** Pilot-Operated
- **Body Material:** Steel, Stainless steel, Hastelloy® C, Monel® and Alloy 20
- **Bulletin No.:** 71.4:63EG-98HM

1. For high-pressure actuator constructions with Fluorocarbon (FKM) diaphragm, maximum set pressure is limited to 150 psig / 10.3 bar.

2. For high-pressure actuator constructions with Fluorocarbon (FKM) diaphragm, maximum outlet and emergency casing pressures are limited to 230 psig / 15.8 bar or the body rating limit, whichever is lower.

3. Not available for 1/4 NPT body size.

4. Fluorocarbon (FKM) diaphragm is limited to 300 psig / 20.7 bar.

Monel® is a mark owned by Special Metals Corporation.

Hastelloy® C is a mark owned by Haynes International, Inc.

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