

# Type LR128 Liquid Backpressure Regulator

Accurate and reliable liquid backpressure control



## Accuracy and Reliability

The Type LR128 provides accurate backpressure control and fast response for medium to high-flow applications. Its metal plug and engineered flow path deflect debris, protecting the seat from damage and erosion. The Type LR128 handles a range of liquids; from water, to lube oil, to fuel. Customers can expect smooth operation, tight shutoff, and long service life.

- Accurate across flow range
- Engineered flow path designed for fluid media
- Compact for space and weight savings

## Features:

**Max Inlet Pressure:**  
450 psig / 31.0 bar

**Outlet Pressure Range:**  
35 to 375 psig / 2.4 to 25.9 bar

**Temperature Capabilities:**  
-20 to 250°F / -29 to 121°C

**Size and Material:**  
1, 2, 3, and 4 inches; WCC and Stainless steel

**End Connections:**  
NPT, SWE, CL150 RF, CL300 RF, CL600 RF, DIN



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# The One Stop For Your Complete Industrial Regulating Solutions.

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

## Backpressure



**Model.....Type LR128**  
 Body Size.....NPS 1, 2, 3, and 4  
 Control Pressure Range.....  
 .....35 to 375 psig / 2.4 to 25.9 bar  
 Maximum Inlet Pressure.....450 psig / 31.0 bar  
 Operation Method.....Pilot-Operated  
 Body Material.....Steel, Stainless Steel  
 Bulletin No. ....71.4:LR128



**Model.....Type MR108**  
 Body Size.....NPS 1, 2, 3, and 4  
 Control Pressure Range.....  
 .....5 to 300 psig / 0.34 to 20.7 bar<sup>(2)</sup>  
 Maximum Inlet Pressure.....  
 .....400 psig / 27.6 bar<sup>(1)</sup>  
 Operation Method.....Direct-Operated  
 Body Material...Cast Iron, Steel, Stainless Steel  
 Bulletin No. ....71.4:MR108



**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 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

## Pressure Reducing



**Model.....Type LR125**  
 Body Size.....NPS 1, 2, 3, and 4  
 Outlet Pressure Range.....  
 .....15 to 150 psig / 1.0 to 10.3 bar  
 Maximum Inlet Pressure.....300 psig / 20.7 bar  
 Operation Method.....Pilot-Operated  
 Body Material.....Steel, Stainless Steel  
 Bulletin No. ....71.2:LR125



**Model.....Type MR105**  
 Body Size.....NPS 1, 2, 3, and 4  
 Outlet Pressure Range.....  
 .....5 to 300 psig / 0.34 to 20.7 bar<sup>(2)</sup>  
 Maximum Inlet Pressure.....400 psig / 27.6 bar  
 Operation Method.....Direct-Operated  
 Body Material... Cast Iron, Steel, Stainless Steel  
 Bulletin No. ....71.1:MR105



**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 to 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.....Type 1098-EGR**  
 Body Size..... NPS 1, 2, 3, 4, 6, 8 x 6, and 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

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

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