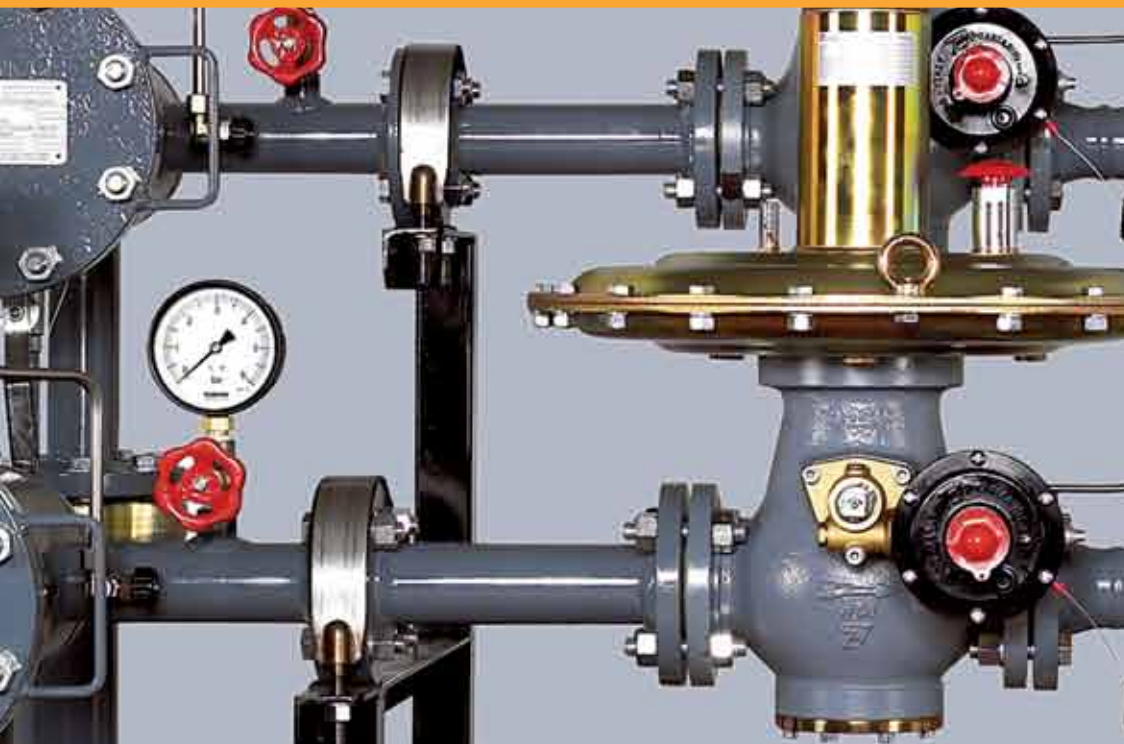


M Series

Pressure Regulators



Introduction

The technical and operational features of the M Series, spring-loaded regulators, make them ideal for applications requiring sudden changes in capacity or where gas shutoff is solenoid-controlled as with domestic or industrial burners.

These regulators can be used with natural, manufactured, propane, air, and other gases, as long as the gas is filtered and does not contain high percentages of benzol.

The MF and MN Series are in conformity with the Pressure Equipment Directive PED 97/23/EC and are classified under Category IV maximum.

Features

- Counterbalanced Shutter
- Wide Pressure Set Range
- Full Seal at Zero Flow
- Easy Maintenance
- Optional Min. and/or Max. Pressure Slam-shut Device



www.emersonprocess.com/regulators



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M Series

Pressure Regulators

Available Configurations

MN Series (Widened Outlet Flanges)

Types MN, MN-AP, MN-APA, MN-PST:
Regulator

Types MBN, MBN-AP, MBN-APA, MBN-PST:
Regulator + Slam-shut

Types MBN-M, MBN-M-AP, MBN-M-APA, MBN-M-PST:
Monitor + Slam-shut

MF Series (Same Inlet/Outlet Flanges)

Types MF, MF-AP, MF-APA, MF-PST:
Regulator

Types MBF, MBF-AP, MBF-APA, MBF-PST:
Regulator + Slam-shut

Types MBF-M, MBF-M-AP, MBF-M-APA, MBF-M-PST:
Monitor + Slam-shut



MBN Type

Specifications

Body Sizes

MN Series:

DN 25 x 65, 40 x 80, 50 x 100, 65 x 100,
80 x 150, 100 x 200

MF Series:

DN 25, 40, 50, 80, 100

End Connection Style

PN 16 / CL150

Inlet Pressure

MN and MF Series

Body Allowable Pressure: Up to 20 bar

Actuator Allowable Pressure: 4 bar

Maximum Operating Pressure: 3 bar

Permissible Inlet Pressure:

Standard Version

DN 25 to 50: 10 bar

DN 65 to 100: 5 bar

PST, AP and APA Versions: 19.6 bar*

Set range:

Standard version: 10 to 500 mbar**

PST version: 0.25 to 0.5 bar

AP version: 0.5 to 1 bar

APA version: 1 to 3 bar

* At average ambient temperature.

** For DN 80 and 100 the operating outlet set pressure range 0.02 to 0.08 bar is allowable with M...- BP version.

Accuracy Class

Up to $\pm 5\%$

Lock-up Pressure Class

Up to 10%

Class of Lock-up Pressure Zone

Up to 10%

Built-in Slam-Shut Valve

Independent pneumatic control

Accuracy class: $\pm 5\%$

Response time: < 1 s

Temperature Capabilities

Working: -10° to 60°C

Low temperature version on request

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