



PRESSURE REDUCING VALVES

Model RV03B Pressure Reducing Valves

APPLICATION:

Series RV03B Water Pressure Reducing Valves are designed to reduce incoming potable water pressure to protect plumbing system components and reduce water consumption. The Valve is suitable for supply pressures up to 400psi (27.6 bar), is factory set to 50psi and may be adjusted from 10-75psi (69-517 kPa). Optionally available with factory preset pressure to suit customer requirements (must specify). All parts, including the strainer, are quickly and easily serviceable without removing the Valve from the line. The Integral Bypass prevents excessive downstream pressure caused by thermal expansion. The RV03B is designed to provide longevity with smooth, quiet operation under a wide range of inlet pressure and flow variations.

FEATURES:

- All Stainless Steel hardware eliminates need for "Sealed Cage"
- Integral 300 Series Stainless Steel Strainer
- **Sizes Available 2-1/2" to 3" with either NPT or 150 lbs. Stainless Steel Flange Connections**
- Brass Body and Internal Stem
- Lead Free* Construction to meet NSF-61 Requirements
- EPDM Seals and Reinforced Rolling Diaphragm
- Optional Pressure Gauge Available
- 5:1 pressure reduction ratio*** reduces the need for series/step-down valve installations
- Hi/Lo performance*** reduces the need parallel valve installations

GUIDE SPECIFICATION:

MGI CONTROLS® RV03B PRV Water Pressure Reducing Valve shall be installed, when supply pressures are inconsistent or they exceed desired levels. The water pressure regulating valve shall be constructed of Lead Free* materials and shall comply with the national lead-free law, ASSE 1003 & NSF-61. The main Body and Bonnet shall be constructed of lead-free brass. An internal bypass will permit the flow of water back through the Valve into the main when pressure increases due to thermal expansion occurring downstream from the valve. Stainless steel springs and adjusting hardware eliminate the need for a "sealed cage". The Pressure Reducing Valve shall be an **MGI CONTROLS®** RV03B Series.



RV03B0-800



SPECIFICATIONS:

- **Pressure Rating 400 PSI (2758 kPa)
- **Temperature Rating 180°F (82.2°C)
- Adjustable Range:
 - Standard 10-75 PSI (69-517 kPa)
 - High Pressure 30-120 PSI (207-827 kPa)
- Factory Preset 50±5 PSI (345kPa)

* *The wetted surface of these valves contacted by consumable water contains less than 0.25% of lead by weight in conformance with national lead-free law.*

** *Temperature and Pressure may be limited to the pipe being used.*

*** *When tested in accordance with ASSE 1003*

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Submittal # **RV03B**
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Certifications and Compliances:

NSF/ANSI 61



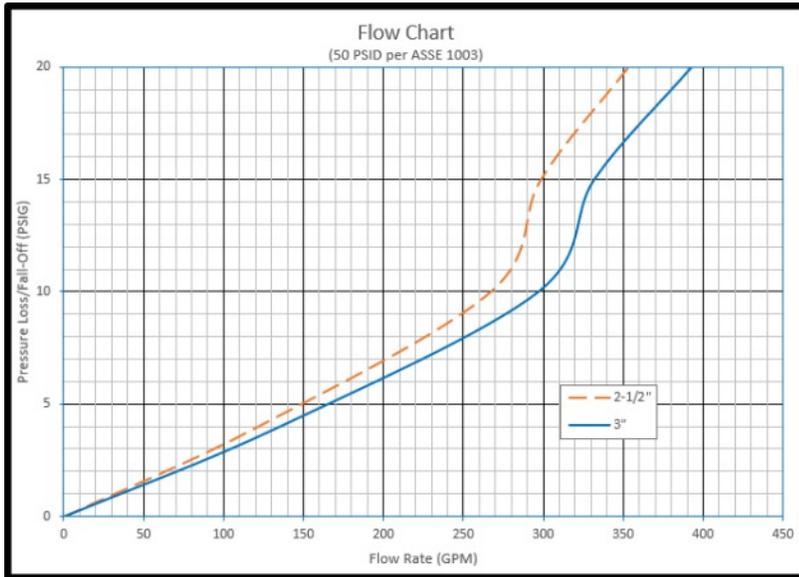
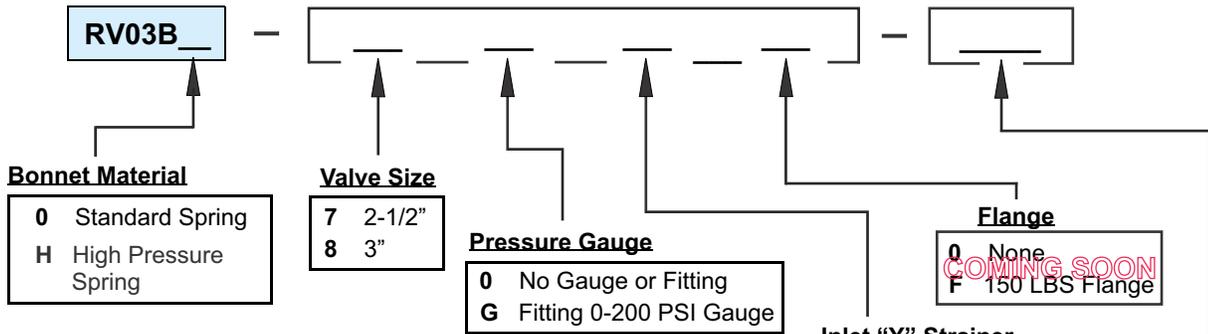
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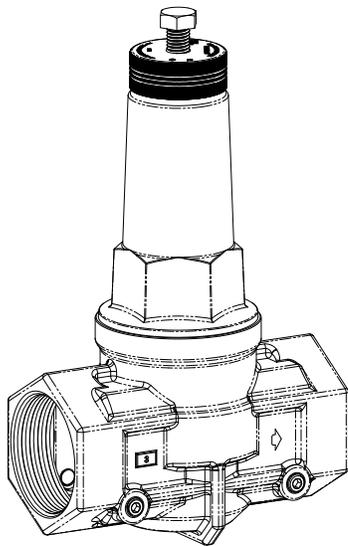
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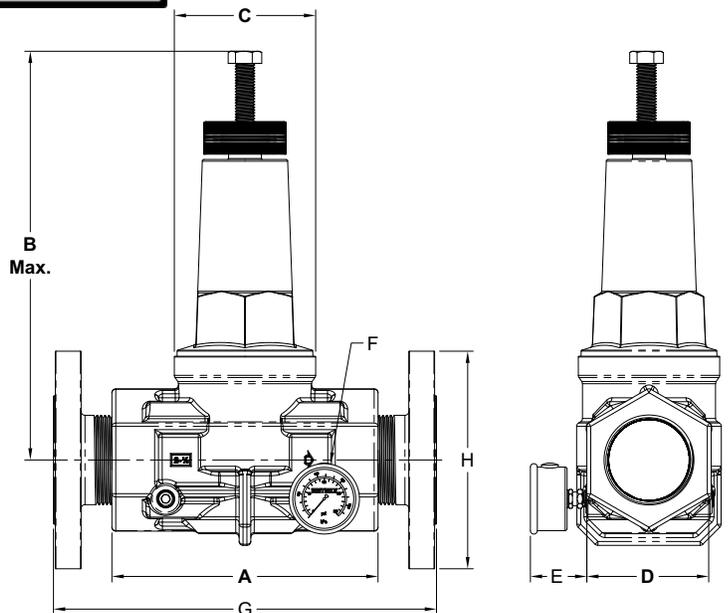
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OPTIONAL: Indicate Factory Preset Pressure Required When It Differs From Standard Factory Preset of 50 PSI.



RV03B-800



DIMENSIONS																
VALVE SIZE	A		B		C		D		E		F		G		H	
2-1/2"	8-1/2"	216mm	14-3/8"	365mm	4-1/2"	114mm	4"	107mm	1-7/8"	48mm	ø2-1/4"	ø57mm	12-1/2"	318mm	ø7"	ø178mm
3"													12-9/16"	319mm	ø7-1/2"	ø191mm