

# INTEGRAL FILTER/REGULATORS

The integration of a general purpose filter and a pressure regulator into a single module provides the compactness needed where space is limited. These integral filter/regulators are offered by Master Pneumatic in port sizes from 1/8 up to 3/4 along with models equipped with quick-connect fittings for tubing from 1/4 up to 10 mm.

The regulator is the top portion of the assembly, and the filter is the bottom portion. All sizes have essentially the same operating characteristics as their corresponding individual filters and regulators.

All filter/regulators include an internal automatic filter drain and a pressure gauge as standard equipment. Regulators are self relieving, and have gauge ports front and rear. Non-relieving models are also available.

Available options are the same as those for the corresponding individual filters and regulators. They include regulating springs for various pressure ranges, metal filter bowls, and sintered bronze filter elements in several µm ratings.

## MODULAR or INLINE MOUNTING

**SENTRY, GUARDSMAN, SERIES 350, SERIES 380,** and **Full-Size VANGUARD** integral filter/regulators

are of modular design. Units can be connected to lubricators by special modular connectors which seal the faces between units. They may also be inline mounted with pipe nipples. **MINIATURE** filter/regulators are designed for inline mounting only.

All units are available with either **NPTF** or **BSPP** port threads.

## SENTRY FILTER/REGULATORS

Port sizes 1/8 and 1/4 or fittings for tubing up to 10 mm. Modular units have durable plastic, corrosion-resistant bodies. Units are available with either piston or diaphragm type regulators. A non-relieving version can be used with water, oil, and many other liquids.



### GUIDE to INTEGRAL FILTER/REGULATORS

Filter/Regulator Series	Modular Construction	Port Sizes					Pages
		1/8	1/4	3/8	1/2	3/4	
<b>SENTRY</b>							
CFDR10M, 11M models †	yes	X	X				200-201
<b>MINIATURE</b>							
CFDR55M, 56M models	no	X	X				202-203
CX (CO <sub>2</sub> ) models	no	X	X				216-217
<b>GUARDSMAN</b>							
CFDR60 models	yes		X	X	X		204-205
<b>GUARDSMAN II</b>							
BCFDR70 models	yes		X	X	X		206-207
<b>SERIES 350</b>							
CF5AR350 models	yes		X	X	X		210-211
<b>Full-Size VANGUARD</b>							
CFDR100 models	yes		X	X	X	X	212-213
<b>Full-Size SERIES 380</b>							
CFDR380 models	yes			X	X	X	214-215

† Also available with quick-connect fittings for tubing up to 10 mm.



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### MINIATURE FILTER/REGULATORS

Port sizes 1/8 and 1/4. Built to the same performance standards as the **SENTRY** units, but are non-modular and at lower cost.

### Full Size VANGUARD FILTER/REGULATORS

Port sizes 1/4 through 3/4. Polycarbonate plastic filter bowl with steel shatterguard standard. Optional zinc bowl with clear nylon sight glass. Regulator is a self-relieving diaphragm type; non-relieving also available. Includes pressure adjustment locking key to prevent tampering.



### GUARDSMAN FILTER/REGULATORS

Port sizes 1/4, 3/8, and 1/2. Standard polycarbonate plastic filter bowl has a zinc die-cast shatterguard. A zinc bowl is optionally available. Regulator is a self-relieving piston type; non-relieving also available.



### GUARDSMAN II FILTER/REGULATORS

Port sizes 1/4, 3/8, and 1/2. Standard aluminum filter bowl with clear nylon sight glass. Extra-capacity bowl optionally available. Regulator is a self-relieving piston type; non-relieving also available.



### SERIES 380 FILTER/REGULATORS

Port sizes 3/8, 1/2, 3/4. Polycarbonate plastic filter bowl with steel shatterguard standard. Optional aluminum bowl with clear nylon sight glass. Regulator is a self-relieving diaphragm type; non-relieving also available. Includes pressure adjustment locking key to prevent tampering.

