

SENTRY Acetal-Body Water Pressure Regulators

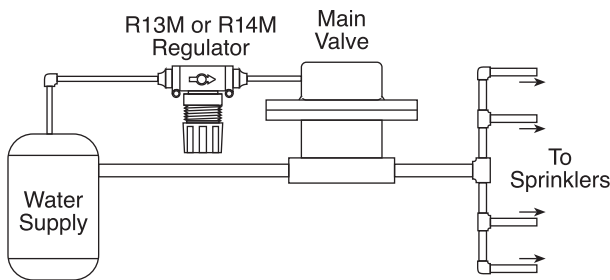
Also see brass-body water pressure regulators on pages 156-157.

R13M, R14M Models Port Sizes: 1/8, 1/4; Tube Fittings



Model Shown: R13M-M10

TYPICAL APPLICATION IN AN IRRIGATION SYSTEM



SPECIFICATIONS

Ambient/Media Temperature:

35° to 125°F (1.7° to 52°C).

Body: Acetal.

Dome and Knob: Acetal.

Fluid Media: Water.

Inlet Pressure: 150 psig (10 bar) maximum.

Main Spring: Stainless Steel.

Outlet Pressure: Adjustable up to 100 psig (7 bar); locking adjustment cap.

Panel Mounting: 1-3/16 inch (30 mm) hole required.

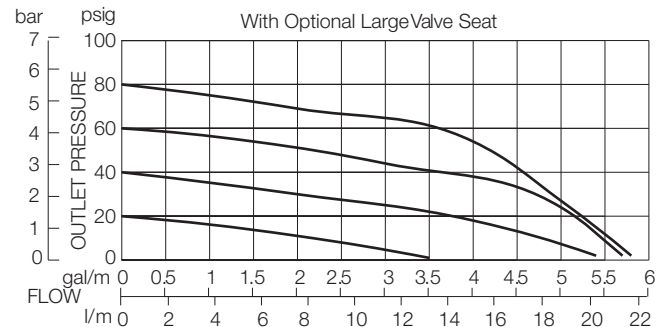
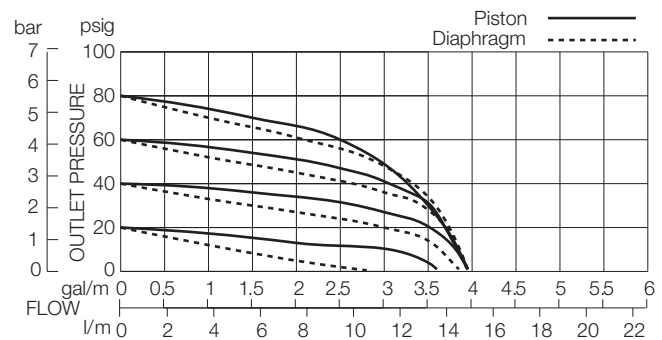
Pressure Gauge: Optional (0-160 psig).

Seals: Nitrile.

- ◆ Designed to set pilot pressure of the water for the main valve in a sprinkler system. See diagram below.
- ◆ Piston-type design (R13M models) or diaphragm-type (R14M models).
- ◆ Non-relieving.
- ◆ Corrosion-resistant construction.
- ◆ Optional large valve seat for water flows up to six gallons per minute.
- ◆ Threaded ports or quick-connect fittings for tubing up to 10 mm in diameter.
- ◆ NPTF port threads; optional BSPP threads.

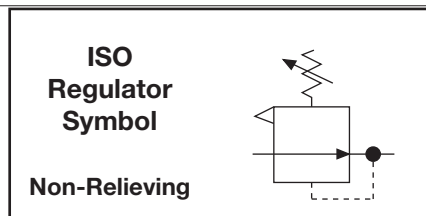
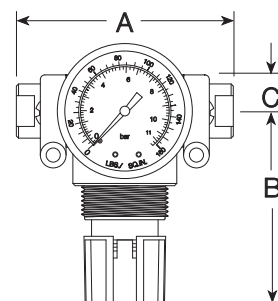
WATER FLOW CHARTS

Inlet Pressure: 100 psig (7 bar)



DIMENSIONS inches (mm)

Ports	A	B	C	Depth	Weight lb (kg)
1/8, 1/4	3.0 (76)	2.6 (67)	0.5 (13)	1.8 (45)	0.43 (0.19)
Models below have quick-connect fittings for tubing.					
1/4	3.4 (86)	2.6 (67)	0.5 (13)	1.8 (45)	0.21 (0.09)
3/8	3.9 (99)	2.6 (67)	0.5 (13)	1.8 (45)	0.21 (0.09)
4 mm	3.4 (86)	2.6 (67)	0.5 (13)	1.8 (45)	0.41 (0.18)
6 mm	3.4 (86)	2.6 (67)	0.5 (13)	1.8 (45)	0.41 (0.18)
8 mm	3.4 (86)	2.6 (67)	0.5 (13)	1.8 (45)	0.41 (0.18)
10 mm	3.9 (99)	2.6 (67)	0.5 (13)	1.8 (45)	0.41 (0.18)



ORDERING INFORMATION

Change the letters in the sample model number below to specify the regulator you want.

R13M P - 2 X A L Y W

REGULATOR TYPE

Piston typeR13M
Diaphragm type.....R14M

MOUNTING HOLE LOCATION

Bottom mount (Standard) Leave Blank
Top mount P

INLET PORT SIZE

No Inlet and Outlet Ports Leave Blank

Threaded:

1/8 NPTF 1
1/4 NPTF 2

Fittings for Tubing:

1/4 04
3/8 06
4 mm M4
6 mm M6
8 mm M8
10 mm M10

OUTLET PORT SIZE

Same as inlet port Leave Blank

Threaded:

1/8 NPTF 1
1/4 NPTF 2

Fittings for Tubing:

1/4 04
3/8 06
4 mm M4
6 mm M6
8 mm M8
10 mm M10

MOUNTING BRACKETS

See page 346.

PORT TYPE

As specified in **INLET PORT** ... Leave Blank
BSP threads on both ports..... W

OPTIONS (More than one option can be chosen. Add in alphabetical order)

None Leave Blank
0-160 psig Gauge G
Plastic nut P
Hex plastic nut..... PE
Metal Panel Mount Nut PN

OPTIONS (More than one option can be chosen. Add in alphabetical order)

None. Leave Blank
Large Delrin valve seat..... C1
Springs: (0-100 psig standard)
For optimum performance operating pressure should fall approximately in the middle of the spring range.
0-125 psig (0-8.6 bar) H
0-50 psig (0-3.4 bar) L
0-30 psig (0-2.1 bar) L30
Rear gauge port only R