

PRLV

PRESSURE REGULATING LIMIT VALVE

Specifications

The pressure regulator shall be capable of operating at a constant, factory preset, non-adjustable outlet pressure of 30, 35, 40, 50, or 60 PSI (2.07, 2.42, 2.76, 3.45, or 4.14 bar) with a flow range between 0.5 - 18 GPM (114 - 4088 L/hr).

The pressure regulator limit valve shall maintain the predetermined operating pressure provided that the inlet pressure is at least 5 PSI (0.34 bar) above the expected outlet pressure, but not exceeding the maximum inlet pressure as shown on the Model Numbers chart for this regulator. It shall also limit the downstream pressure to no more than 15 psi (0.68 to 1.03 bar) above the rated outlet pressure in static / no flow conditions.

All pressure regulator models shall be equipped with one of these inlet-x-outlet configurations:

Inlet

3/4 -inch Female National Pipe Thread (FNPT)
1-inch Female National Pipe Thread (FNPT)

Outlet

3/4 -inch Female National Pipe Thread (FNPT)
1-inch Female National Pipe Thread (FNPT)

The upper housing, lower housing, and internal molded parts shall be of engineering-grade thermoplastics with internal elastomeric seals and a reinforced elastomeric diaphragm. Regulation shall be accomplished by a fixed stainless steel compression spring, which shall be enclosed in a chamber isolated from the normal water passage.

Outlet pressure and flow shall be clearly marked on each regulator.

The pressure regulator shall carry a two-year manufacturer's warranty on materials, workmanship, and performance. Each pressure regulator shall be water tested for accuracy before departing the manufacturing facility.

The pressure regulator shall be manufactured by Senninger Irrigation in Clermont, Florida. Senninger is a Hunter Industries Company.

Physical

3/4" FNPT x 3/4" FNPT model (shown on right)

or

1" FNPT x 1" FNPT model

Overall Length
5.8 inches (14.6 cm)

Overall Width
2.5 inches (6.4 cm)





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Model Numbers

Model #	Regulating Flow Range	Preset Operating Pressure	Maximum Inlet Pressure
PRLV-30	0.5 - 18 GPM (114 - 4088 L/hr)	30 PSI (2.07 bar)	125 PSI (8.62 bar)
PRLV-35	0.5 - 18 GPM (114 - 4088 L/hr)	35 PSI (2.42 bar)	125 PSI (8.62 bar)
PRLV-40	0.5 - 18 GPM (114 - 4088 L/hr)	40 PSI (2.76 bar)	125 PSI (8.62 bar)
PRLV-50	0.5 - 18 GPM (114 - 4088 L/hr)	50 PSI (3.45 bar)	125 PSI (8.62 bar)
PRLV-60	0.5 - 18 GPM (114 - 4088 L/hr)	60 PSI (4.14 bar)	125 PSI (8.62 bar)