

PRLV

PRESSURE REGULATING LIMIT VALVE

Specifications

The pressure regulator shall be capable of operating at a constant, factory preset, non-adjustable outlet pressure of 10, 15, 20, 30, 40, 50, or 60 PSI (0.69, 1.03, 1.38, 2.07, 2.76, 3.45, or 4.14 bar) with a maximum flow of 18 GPM (4088 L/hr).

The pressure regulator shall maintain the nominal pressure at a minimum of 5 PSI (0.34 bar) above model inlet pressure and a maximum of 125 PSI (8.62 bar) above nominal model pressure. Refer to the Model Numbers Chart on page 2 for outlet flow based on the model. 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. Recommended for outdoor use only. Not NSF certified.

The pressure regulator shall carry a one-year manufacturer’s warranty on materials, workmanship, and performance.

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

* Please consult the factory for applications outside of recommended guidelines.

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 #	Flow Range	Preset Operating Pressure	Maximum Inlet Pressure
PRLV10MF3F3FV (3/4" X 3/4" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	10 PSI (0.69 bar)	125 PSI (8.62 bar)
PRLV15MF3F3FV (3/4" X 3/4" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	15 PSI (1.03 bar)	125 PSI (8.62 bar)
PRLV20MF3F3FV (3/4" X 3/4" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	20 PSI (1.38 bar)	125 PSI (8.62 bar)
PRLV30MF3F3FV (3/4" X 3/4" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	30 PSI (2.07 bar)	125 PSI (8.62 bar)
PRLV40MF3F3FV (3/4" X 3/4" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	40 PSI (2.76 bar)	125 PSI (8.62 bar)
PRLV50MF3F3FV (3/4" X 3/4" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	50 PSI (3.45 bar)	125 PSI (8.62 bar)
PRLV60MF3F3FV (3/4" X 3/4" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	60 PSI (4.14 bar)	125 PSI (8.62 bar)
PRLV30MF4F4FV (1" X 1" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	30 PSI (2.07 bar)	125 PSI (8.62 bar)
PRLV40MF4F4FV (1" X 1" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	40 PSI (2.76 bar)	125 PSI (8.62 bar)
PRLV50MF4F4FV (1" X 1" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	50 PSI (3.45 bar)	125 PSI (8.62 bar)
PRLV60MF4F4FV (1" X 1" NPT)	0.5 - 18 GPM (114 - 4088 L/hr)	60 PSI (4.14 bar)	125 PSI (8.62 bar)