

# Senninger PR-HF

## Pressure regulator



### Application

It is designed to automatically regulate water pressure in pipes or tubing downstream.

These products are very effective for low volume manifolds and mechanical-move irrigation systems.

The correct use of Senninger pressure regulators helps maintaining distribution uniformity by preventing pressure fluctuations. This helps save water and increase production.

Ideal for Flows: 10 to 32 gpm (2271 - 7268 L/hr) including solid set, drip or other low volume irrigation as well as center pivot and other mechanical-move systems.

### Advantages

- Maintains a preset outlet pressure while handling constant inlet pressures
- Very low hysteresis and friction losses
- Maximum flow path resistant to plugging
- 100% water-tested for accuracy. No adjustments ever needed
- Built for strength and durability using high impact engineering-grade thermoplastics material.
- Models are available for low, medium and high flow.

### Technical specifications

- Maintains a constant preset outlet pressure while handling varying inlet pressures.
- All Senninger pressure regulators are constructed of durable high-impact engineering-grade thermoplastics with a high quality stainless steel compression spring and securing screws.
- Regulators pressure are necessary when it exists 10% of pressure and/or a 5% flow variation. The lower the system pressure is, more accurate must be the pressure control.



**HF**



**CAUTION:**  
Always install  
downstream  
from all shut  
off valves.

DESIGN PRESSURE	PRESSURE VARIATIONS				
	1 PSI (0,069 bar)	2 PSI (0,138 bar)	3 PSI (0,207 bar)	4 PSI (0,276 bar)	5 PSI (0,345 bar)
6 PSI (0,41 bar)	8.3	16.7	25.0	33.3	41.7
10 PSI (0,69 bar)	5.0	10.0	15.0	20.0	25.0
15 PSI (1,03 bar)	3.3	6.7	10.0	13.3	16.7
20 PSI (1,38 bar)	2.5	5.0	7.5	10.0	12.5

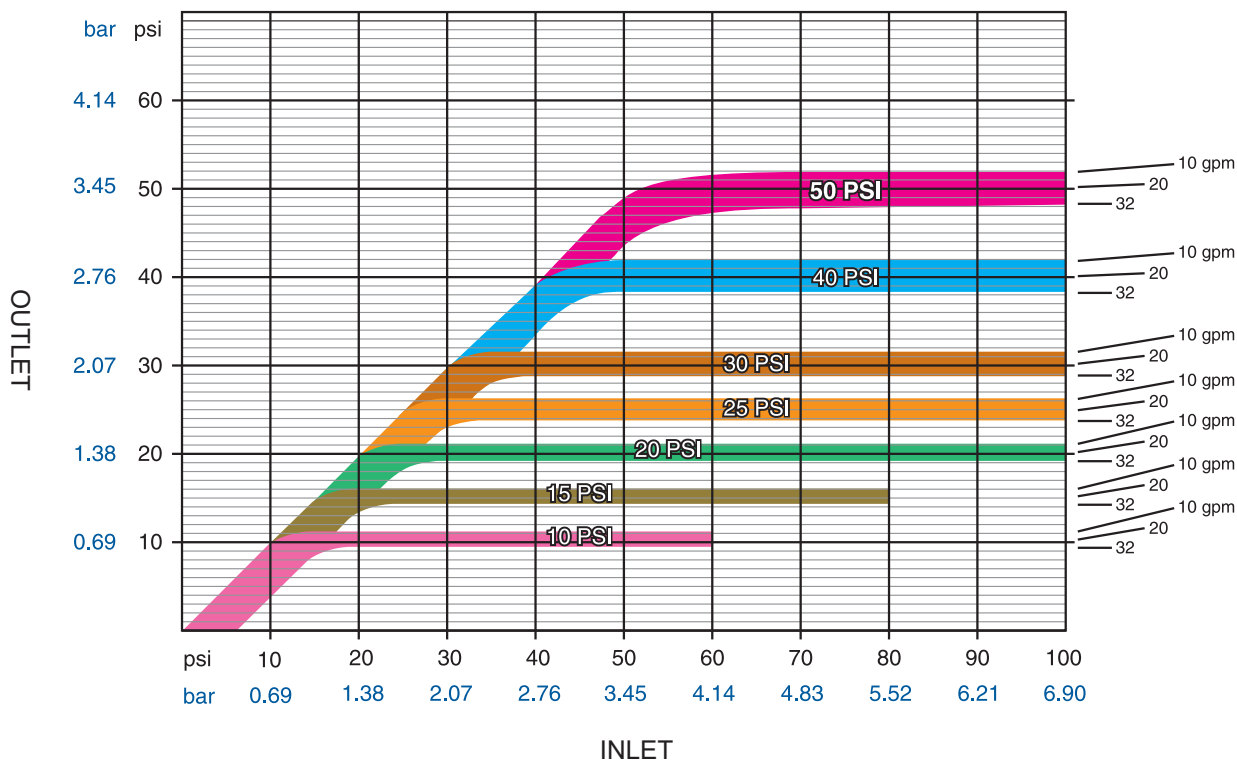
↑ % Flow Variation ↓



Model	Preset operating pressure		Maximum inlet pressure		Flow Range		Inlet Sizes	Outlet Sizes
	PSI	bar	PSI	bar	gpm	L/hr		
PR - 10 HF	10	0.69	60	4.14	10 - 32	2271 - 7268	1¼" F NPT	1" F NPT
PR - 15 HF	15	1.04	80	5.52	10 - 32	2271 - 7268	1¼" F NPT	1" F NPT
PR - 20 HF	20	1.38	100	6.90	10 - 32	2271 - 7268	1¼" F NPT	1" F NPT
PR - 25 HF	25	1.73	100	6.90	10 - 32	2271 - 7268	1¼" F NPT	1" F NPT
PR - 30 HF	30	2.07	100	6.90	10 - 32	2271 - 7268	1¼" F NPT	1" F NPT
PR - 40 HF	40	2.76	100	6.90	10 - 32	2271 - 7268	1¼" F NPT	1" F NPT
PR - 50 HF	50	3.45	100	6.90	10 - 32	2271 - 7268	1¼" F NPT	1" F NPT

Regulated pressure is 1/2 psi [0.03 bar] higher with increasing inlet pressure than with decreasing inlet pressure

### Performance curves



### WARRANTY, TERMS AND CONDITIONS

Senninger products are warranted for 2 years from date of original sale to be free of defective material and workmanship when used within the working specifications for which the products were designed and under normal use and Service. The manufacturer assumes no responsibility for assembling, dismantling or repair by unauthorized personnel. The manufacturer's liability under this warranty is limited to replacement or repair of defective parts and the manufacturer will not be liable for damage in crops or any other consequential damages resulting from misuse of the product covered by this warranty. This warranty is expressly in lieu of all other warranty, expressed or implied, including the warranties of merchantability and fitness for particular purposes and of all other obligations or liabilities of the manufacturer. No agent, employee or representative of the manufacturer has authority to change, alter or add to the provisions of this warranty nor to make any representations or warranty not stipulated herein.