



# Pressure Regulators



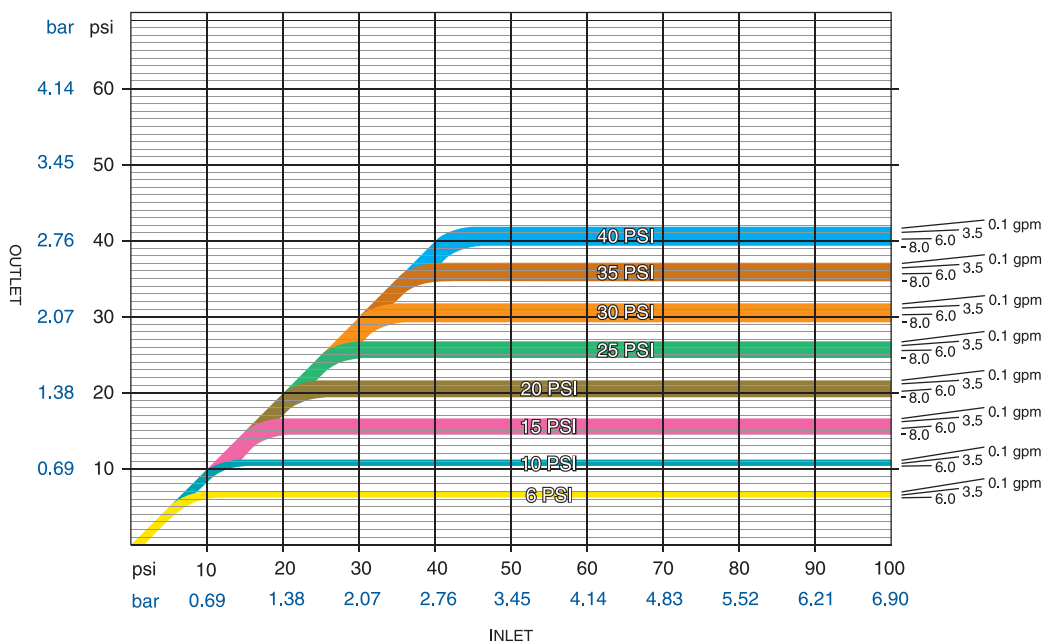
## Low-Flow Pressure Regulators



Ideal for pre-set pressure regulation of flow rates up to 8-gpm (0.1-8 gpm). Applications include solid-set, micro, drip and mechanical-move agricultural and turf irrigation systems.

### Features

- Maintains a constant preset outlet pressure while handling varying inlet pressures
- Very low hysteresis and friction losses
- Large flow path resists plugging
- 100% water-tested for accuracy (no adjustments ever needed)
- Two-year warranty on materials, workmanship and performance
- Can be installed above or below ground
- For use on mechanical move and solid-set installations
- No external metal parts for excellent corrosion resistance
- Tamper-resistant design



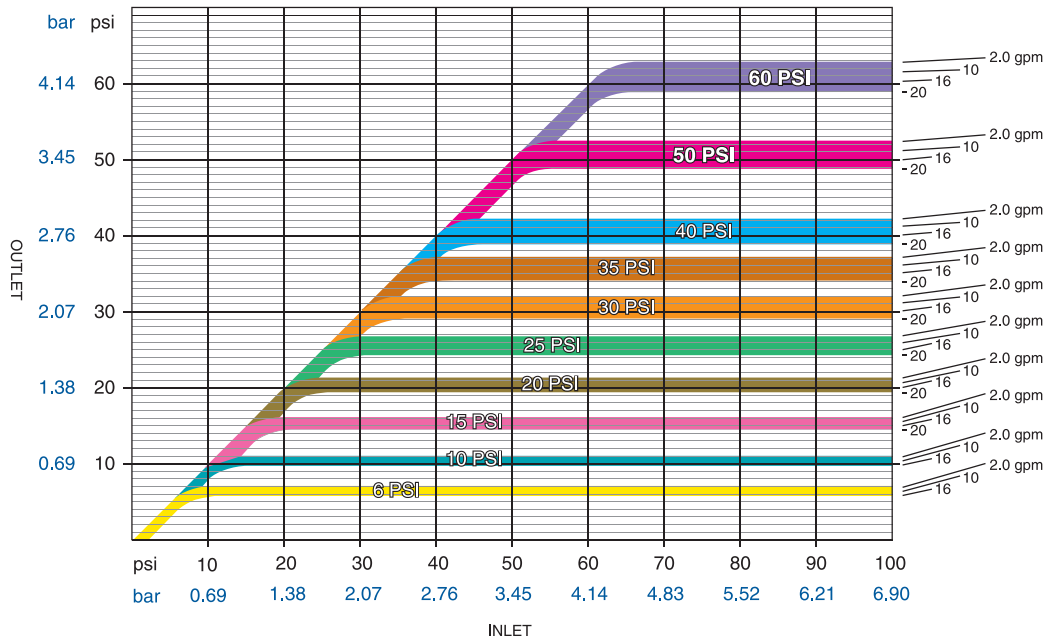
## Medium-Flow Pressure Regulators



The medium flow Pressure-Master Regulator® is ideal for installations requiring mid-range flows [2 - 20 gpm] including solid-set, drip or other low-volume irrigation systems as well as center pivot and other mechanical-move irrigation systems.

### Features

- Maintains a constant preset outlet pressure while handling varying inlet pressures
- Very low hysteresis and friction losses
- Maximum flow path resists plugging
- 100% water-tested for accuracy (no adjustments ever needed)
- Two-year warranty on materials, workmanship AND performance
- Can be installed above or below ground.



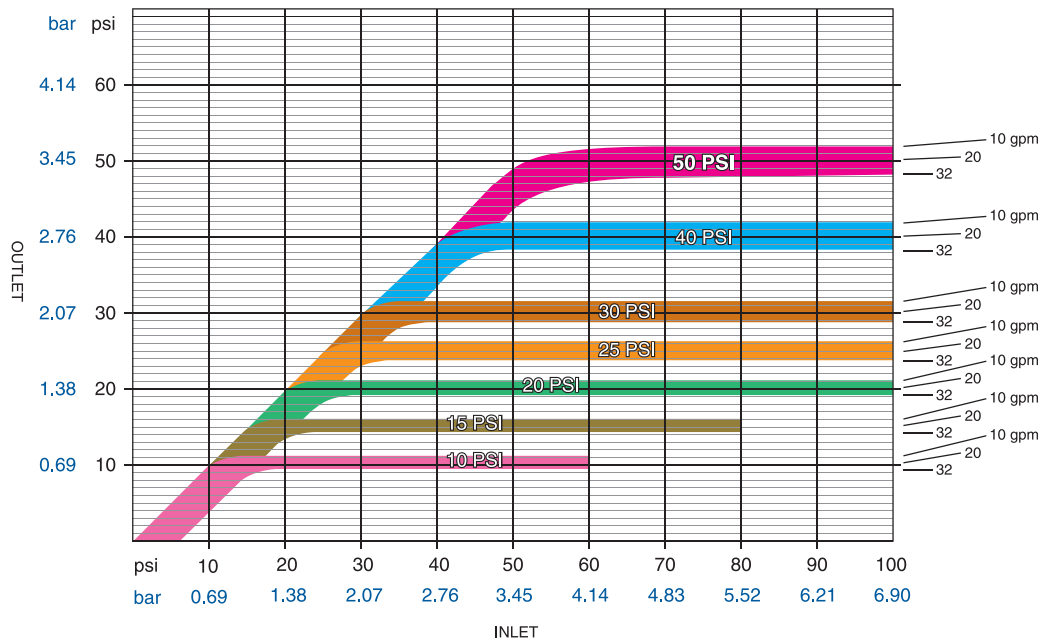


## High-Flow Pressure Regulators

Senninger's High Flow Pressure Regulator is ideal for installations requiring higher flows including solid set sprinkler, low volume manifolds and mechanical-move irrigation systems. Senninger regulators maintain a constant preset outlet pressure while handling varying inlet pressures.

### Features

- Maintains a constant preset outlet pressure while handling varying inlet pressures
- Very low hysteresis and friction losses
- Maximum flow path resists plugging
- 100% water-tested for accuracy (no adjustments ever needed)
- Two-year warranty on materials, workmanship and performance



Pressure regulators are recommended if there is a 10% pressure and/or 5% flow variation. The lower a system's design pressure, the more critical it is to accurately control its pressure.

### % Flow Variation

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



## Pipe Thread Low Flow Pressure Regulator

Pressure Regulators are designed to control the inlet pressure to the system. Select a pressure regulator that will match the flow and pressure requirements of the emitter device being installed. Pressure range's are from 10 to 30 PSI and flow rates vary from 1 to 8 GPM.



### Features

- Recommended for every low volume or drip irrigation zone.
- Designed to reduce the pressure to the required working pressure range of the emitter.
- Available in hose and pipe thread models. Models are 3/4" female thread x male thread.
- Low flow 1-8 GPH..
- Constructed from heavy duty high impact plastic with internal stainless steel parts to provide a long lasting quality product.
- Reduce the pressure internally and does not use a blow off port, consequently there is no leakage or overflow from these units.
- Recommended pressure range: between 20 and 30 PSI.
- Should be installed either after the zone valve or after the Y-Filter.
- Rugged ASS case construction
- No internal o-rings or gaskets.
- Suitable for direct burial. No need to install above ground.
- Easy servicing. Screw together assembly. Not welded.

Model #	Connection Size (inlet x outlet)	Pressure	Flow Volume
PRL10PP	3/4" FPT X 3/4" MPT	10 PSI @ 1-8 GPM,	Low Flow
PRL15PP	3/4" FPT X 3/4" MPT	15 PSI @ 1-8 GPM,	Low Flow
PRL20PP	3/4" FPT X 3/4" MPT	20 PSI @ 1-8 GPM	Low Flow
PRL25PP	3/4" FPT X 3/4" MPT	25 PSI @ 1-8 GPM	Low Flow
PRL10HH	3/4" FHT X 3/4" MHT	10 PSI @ 1-8 GPM,	Low Flow
PRL15HH	3/4" FHT X 3/4" MHT	15 PSI @ 1-8 GPM,	Low Flow
PRL20HH	3/4" FHT X 3/4" MHT	20 PSI @ 1-8 GPM,	Low Flow
PRL25HH	3/4" FHT X 3/4" MHT	25 PSI @ 1-8 GPM,	Low Flow



## Threaded Medium Flow Pressure Regulator

Pressure Regulators are designed to control the inlet pressure to the system. Select a pressure regulator that will match the flow and pressure requirements of the emitter device being installed. Pressure range's are from 10 to 30 PSI and flow rates vary from 1 to 15 GPM.



### Features

- Recommended for every low volume or drip irrigation zone.
- Designed to reduce the pressure to the required working pressure range of the emitter.
- Available in hose and pipe thread models. Models are 3/4" female thread x male thread.
- Medium flow ranges from 1 to 15 GPM.
- Constructed from heavy duty high impact plastic with internal stainless steel parts to provide a long lasting quality product.
- Reduce the pressure internally and does not use a blow off port, consequently there is no leakage or overflow from these units.
- Recommended pressure range: between 20 and 30 PSI.
- Should be installed either after the zone valve or after the Y-Filter.
- Rugged ASS case construction
- No internal o-rings or gaskets.
- Suitable for direct burial. No need to install above ground.
- Easy servicing. Screw together assembly. Not welded.

Model #	Connection Size (inlet x outlet)	Pressure	Flow Volume
PRH-15	3/4" FHT x 3/4" MHT	15 PSI @ 1-15 GPM	Medium Flow
PRH-20	3/4" FHT x 3/4" MHT	20 PSI @ 1-15 GPM	Medium Flow
PRH-25	3/4" FHT x 3/4" MHT	25 PSI @ 1-15 GPM	Medium Flow
PRH-30	3/4" FHT x 3/4" MHT	30 PSI @ 1-15 GPM	Medium Flow
PRH-35	3/4" FHT x 3/4" MHT	35 PSI @ 1-15 GPM	Medium Flow
PRP-30	3/4" FPT x 3/4" MPT	30 PSI @ 1-15 GPM	Medium Flow



# Pressure Regulators

Model #	Connection Size (inlet x outlet)	Pressure	Flow Volume
PRM10PP	3/4" FPT X 3/4" MPT	10 PSI @ 1-15 GPM	Med. Flowl
PRM20PP	3/4" FPT X 3/4" MPT	20 PSI @ 1-15 GPM	Med. Flowl
PRM25PP	3/4" FPT X 3/4" MPT	25 PSI @ 1-15 GPM	Med. Flowl
PRM30PP	3/4" FPT X 3/4" MPT	30 PSI @ 1-15 GPM	Med. Flowl
PRM10HH	3/4" FHT X 3/4" MHT	10 PSI @ 1-15 GPM	Med. Flow
PRM20HH	3/4" FHT X 3/4" MHT	20 PSI @ 1-15 GPM	Med. Flow
PRM25HH	3/4" FHT X 3/4" MHT	25 PSI @ 1-15 GPM	Med. Flow
PRM30HH	3/4" FHT X 3/4" MHT	30 PSI @ 1-15 GPM	Med. Flow

## Pressure Variation

15 Outlet Pressure (PSI)						
Inlet PSI	.5 GPM	1.0 GPM	3.0 GPM	6.0 GPM	9.0 GPM	12.0 GPM
20	15.40	15.40	15.20	15.00	13.90	12.50
30	16.30	16.10	15.00	15.10	15.30	15.50
40	16.30	16.10	15.00	14.80	15.10	15.80
50	16.30	16.10	14.90	14.70	14.70	15.80
60	16.60	16.20	14.90	14.60	14.60	16.20
80	17.00	16.30	14.90	14.50	14.80	17.20
90	17.40	16.60	14.90	14.40	15.30	N/A
120	17.80	16.70	14.90	14.30	15.90	N/A

20 Outlet Pressure (PSI)						
Inlet PSI	.5 GPM	1.0 GPM	3.0 GPM	6.0 GPM	9.0 GPM	12.0 GPM
30	21.70	20.60	19.80	20.20	20.30	20.50
40	21.80	20.90	19.80	19.80	20.10	20.60
50	21.80	21.50	19.80	19.60	19.60	20.70
60	22.10	21.50	19.80	19.60	19.70	20.80
80	22.80	21.60	19.80	19.40	19.40	21.40
90	23.30	21.80	19.70	19.40	19.50	22.30
120	23.70	22.00	19.70	19.30	19.90	22.60

25 Outlet Pressure (PSI)						
Inlet PSI	.5 GPM	1.0 GPM	3.0 GPM	6.0 GPM	9.0 GPM	12.0 GPM
30	21.70	20.60	19.80	20.20	20.30	20.50
40	21.80	20.90	19.80	19.80	20.10	20.60
50	21.80	21.50	19.80	19.60	19.60	20.70
60	22.10	21.50	19.80	19.60	19.70	20.80
80	22.80	21.60	19.80	19.40	19.40	21.40
90	23.30	21.80	19.70	19.40	19.50	22.30
120	23.70	22.00	19.70	19.30	19.90	22.60

## Pressure Variation



30 Outlet Pressure (PSI)						
Inlet PSI	.5 GPM	1.0 GPM	3.0 GPM	6.0 GPM	9.0 GPM	12.0 GPM
30	28.80	29.30	28.10	26.60	24.50	23.50
40	30.20	29.50	28.40	28.10	28.20	27.30
50	30.30	29.90	28.40	28.20	28.20	28.60
60	30.40	30.90	28.40	28.10	28.30	28.70
80	30.90	30.80	28.40	28.00	27.90	28.40
100	31.50	31.00	28.50	27.90	27.70	28.50
120	31.90	31.10	28.50	27.90	27.60	28.90

35 Outlet Pressure (PSI)						
Inlet PSI	.5 GPM	1.0 GPM	3.0 GPM	6.0 GPM	9.0 GPM	12.0 GPM
40	35.86	35.56	34.72	34.37	32.31	30.84
50	37.64	35.68	35.10	34.85	34.74	34.21
60	37.85	36.38	35.21	34.73	34.87	35.00
80	38.54	37.12	35.33	34.67	34.67	35.05
90	39.31	37.41	35.46	34.74	34.41	34.65
120	39.67	37.59	35.55	34.72	34.21	34.70



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