



PRESSURE REGULATORS

ACCURATE REGULATORS FOR ENSURING UNIFORM PRESSURE

OVERVIEW

- Ensuring continuous non-peak, consistent pressure and maximum system uptime, our highly accurate pressure regulators are available in two models.
- PRV 2000: Located near the head control, this model is available at various outlet pressures.
- In-line PRV: Located at the dripperline, sprinkler or conduction/distribution pipe entry point, this model is suitable for low-flow rates that are most prevalent in sloped irrigation applications.



3/4" In-line



3/4" x 1 (2000)



1 1/2" x 2 (2000)



2" x 4 (2000)



2" x 6 (2000)



3" x 10 (2000)

PRESSURE REGULATORS SELECTION

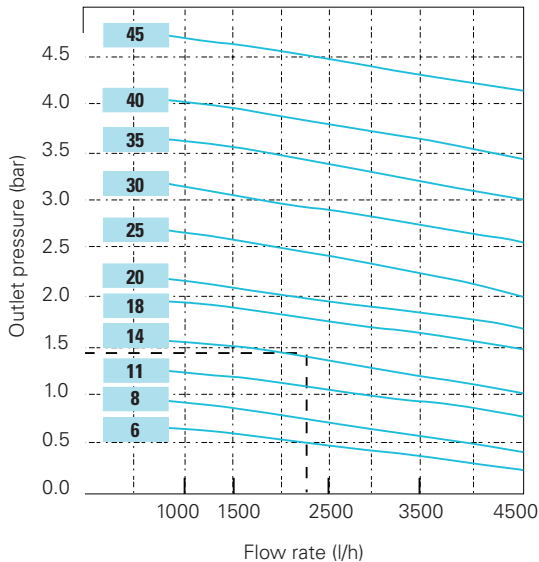
PRODUCT	MODEL	MIN. FLOW RATE (M ³ /H)	MAX. FLOW RATE (M ³ /H)	MAX. INLET PRESSURE (BAR)	BODY MATERIAL
3/4" In-line PRV (Low Flow)	In-line PRV	0.08	1.0	10	Plastic, Black
3/4" In-line PRV (Acid Resistant)	In-line PRV	0.08	1.0	4	Plastic, Purple
3/4" (1 regulating unit)	2000	1.2	4.5	10	Plastic, Black
1 1/2" (2 regulating units)	2000	2.4	9.0	10	Plastic, Black
2" (4 regulating units)	2000	4.8	18.0	10	Plastic, Black
2" (6 regulating units)	2000	7.2	27.0	10	Brass
3" (10 regulating units)	2000	12	45.0	10	Brass

REGULATING UNITS FOR 2000 SERIES SELECTION

0.6, 0.8, 1.1, 1.4, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5

* Outlet pressure in bar

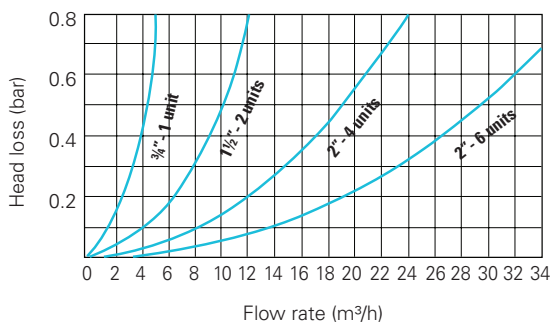
PRV 2000 SERIES OUTLET PRESSURE VS. FLOW RATE



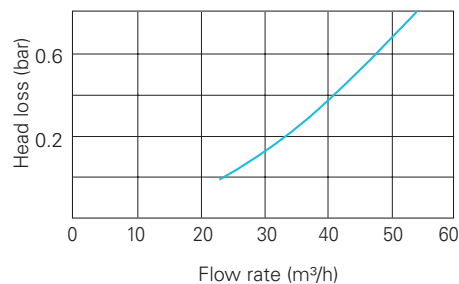
EXAMPLE: FLOW RATE – OUTPUT PRESSURE

- Given flow rate = 14.0 m³/h
- Required output pressure = 1.4 bar
- Calculation: Selected product = PRV 2" x 6 springs.
- Head loss across the PRV unit at 14.0 m³/h = 0.12 bar (graph 2)
- Flow rate per spring = 14:6 = 2.3 m³/h.
- Selected spring 1.4 = output pressure at 2.3 m³/h is 1.4 bar (graph 1)
- Total minimum required inlet pressure = 1.4 + 0.12 + 0.2 (0.2 bar is constant addition to move the piston out) = 1.72 bar
- Spring pressure regulator valve = > head loss + actual output pressure + 0.2 bar = minimum required inlet pressure

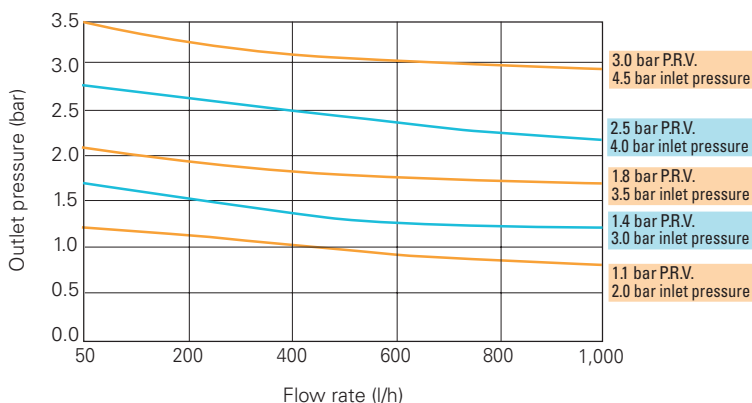
PRESSURE REGULATORS (HEAD LOSS VS. FLOW RATE)



3"X10 (HEAD LOSS VS. FLOW RATE)



IN-LINE PRV OUTLET PRESSURE VS. FLOW RATE



IN-LINE PRV LOW FLOW PRESSURE REGULATOR

- Plastic body, corrosion resistant
- Stainless steel spring
- Min. flow rate 50 l/h, max. flow rate 1000 l/h
- Inlet and outlet connector 3/4" female
- Max. inlet pressure: 10 bar
- Spring for drip irrigation: 1.1, 1.4 and 1.8 bar
- Spring for sprinklers: 2.5 and 3.0 bar with 1/2" female threaded at the outlet

PRV 2000 2" 6 UNITS

CATALOG NO.	DESCRIPTION	FLOW RANGE (M ³ /H / GPM)	NOMINAL OUTPUT PRESSURE (BAR / PSI)	MAX OPERATING PRESSURE (BAR / PSI)	REGULATING UNITS QTY
30560-001000	PR.V. 2000 2" BSPP 0.6 BAR 9 PSI 6U	7.2-27 / 31.2-118.8	0.6 / 9	10 / 145	6
30560-001100	PR.V. 2000 2" BSPP 0.8 BAR 12 PSI 6U	7.2-27 / 31.2-118.8	0.8 / 12	10 / 145	6
30560-001200	PR.V. 2000 2" BSPP 1.1 BAR 15 PSI 6U	7.2-27 / 31.2-118.8	1.1 / 15	10 / 145	6
30560-001300	PR.V. 2000 2" BSPP 1.4 BAR 20 PSI 6U	7.2-27 / 31.2-118.8	1.4 / 20	10 / 145	6
30560-001400	PR.V. 2000 2" BSPP 1.8 BAR 25 PSI 6U	7.2-27 / 31.2-118.8	1.8 / 25	10 / 145	6
30560-001500	PR.V. 2000 2" BSPP 2.0 BAR 30 PSI 6U	7.2-27 / 31.2-118.8	2.0 / 30	10 / 145	6
30560-001600	PR.V. 2000 2" BSPP 2.5 BAR 35 PSI 6U	7.2-27 / 31.2-118.8	2.5 / 35	10 / 145	6
30560-001700	PR.V. 2000 2" BSPP 3.0 BAR 43 PSI 6U	7.2-27 / 31.2-118.8	3.0 / 43	10 / 145	6
30560-001800	PR.V. 2000 2" BSPP 3.5 BAR 50 PSI 6U	7.2-27 / 31.2-118.8	3.5 / 50	10 / 145	6
30560-001900	PR.V. 2000 2" BSPP 4.0 BAR 57 PSI 6U	7.2-27 / 31.2-118.8	4.0 / 57	10 / 145	6
30560-002000	PR.V. 2000 2" BSPP 4.5 BAR 65 PSI 6U	7.2-27 / 31.2-118.8	4.5 / 65	10 / 145	6
30560-002100	PR.V. 2000 2" NPT 0.6 BAR 9 PSI 6U	7.2-27 / 31.2-118.8	0.6 / 9	10 / 145	6
30560-002200	PR.V. 2000 2" NPT 0.8 BAR 12 PSI 6U	7.2-27 / 31.2-118.8	0.8 / 12	10 / 145	6
30560-002300	PR.V. 2000 2" NPT 1.1 BAR 15 PSI 6U	7.2-27 / 31.2-118.8	1.1 / 15	10 / 145	6
30560-002400	PR.V. 2000 2" NPT 1.4 BAR 20 PSI 6U	7.2-27 / 31.2-118.8	1.4 / 20	10 / 145	6
30560-002500	PR.V. 2000 2" NPT 1.8 BAR 25 PSI 6U	7.2-27 / 31.2-118.8	1.8 / 25	10 / 145	6
30560-002600	PR.V. 2000 2" NPT 2.0 BAR 30 PSI 6U	7.2-27 / 31.2-118.8	2.0 / 30	10 / 145	6
30560-002700	PR.V. 2000 2" NPT 2.5 BAR 35 PSI 6U	7.2-27 / 31.2-118.8	2.5 / 35	10 / 145	6
30560-002800	PR.V. 2000 2" NPT 3.0 BAR 43 PSI 6U	7.2-27 / 31.2-118.8	3.0 / 43	10 / 145	6
30560-002900	PR.V. 2000 2" NPT 3.5 BAR 50 PSI 6U	7.2-27 / 31.2-118.8	3.5 / 50	10 / 145	6
30560-003000	PR.V. 2000 2" NPT 4.0 BAR 57 PSI 6U	7.2-27 / 31.2-118.8	4.0 / 57	10 / 145	6
30560-003100	PR.V. 2000 2" NPT 4.5 BAR 65 PSI 6U	7.2-27 / 31.2-118.8	4.5 / 65	10 / 145	6



PRV 2000 3" 10 units

CATALOG NO.	DESCRIPTION	FLOW RANGE (M ³ /H / GPM)	NOMINAL OUTPUT PRESSURE (BAR / PSI)	MAX OPERATING PRESSURE (BAR / PSI)	REGULATING UNITS QTY
30580-001000	PR.V. 2000 3" BSPP 0.6 BAR 9 PSI 10U	12-45 / 52-198	0.6 / 9	10 / 145	10
30580-001100	PR.V. 2000 3" BSPP 0.8 BAR 12 PSI 10U	12-45 / 52-198	0.8 / 12	10 / 145	10
30580-001200	PR.V. 2000 3" BSPP 1.1 BAR 15 PSI 10U	12-45 / 52-198	1.1 / 15	10 / 145	10
30580-001300	PR.V. 2000 3" BSPP 1.4 BAR 20 PSI 10U	12-45 / 52-198	1.4 / 20	10 / 145	10
30580-001400	PR.V. 2000 3" BSPP 1.8 BAR 25 PSI 10U	12-45 / 52-198	1.8 / 25	10 / 145	10
30580-001500	PR.V. 2000 3" BSPP 2.0 BAR 30 PSI 10U	12-45 / 52-198	2.0 / 30	10 / 145	10
30580-001600	PR.V. 2000 3" BSPP 2.5 BAR 35 PSI 10U	12-45 / 52-198	2.5 / 35	10 / 145	10
30580-001700	PR.V. 2000 3" BSPP 3.0 BAR 43 PSI 10U	12-45 / 52-198	3.0 / 43	10 / 145	10
30580-001800	PR.V. 2000 3" BSPP 3.5 BAR 50 PSI 10U	12-45 / 52-198	3.5 / 50	10 / 145	10
30580-001900	PR.V. 2000 3" BSPP 4.0 BAR 57 PSI 10U	12-45 / 52-198	4.0 / 57	10 / 145	10
30580-002000	PR.V. 2000 3" BSPP 4.5 BAR 65 PSI 10U	12-45 / 52-198	4.5 / 65	10 / 145	10
30580-002100	PR.V. 2000 3" NPT 0.6 BAR 9 PSI 10U	12-45 / 52-198	0.6 / 9	10 / 145	10
30580-002200	PR.V. 2000 3" NPT 0.8 BAR 12 PSI 10U	12-45 / 52-198	0.8 / 12	10 / 145	10
30580-002300	PR.V. 2000 3" NPT 1.1 BAR 15 PSI 10U	12-45 / 52-198	1.1 / 15	10 / 145	10
30580-002400	PR.V. 2000 3" NPT 1.4 BAR 20 PSI 10U	12-45 / 52-198	1.4 / 20	10 / 145	10
30580-002500	PR.V. 2000 3" NPT 1.8 BAR 25 PSI 10U	12-45 / 52-198	1.8 / 25	10 / 145	10
30580-002600	PR.V. 2000 3" NPT 2.0 BAR 30 PSI 10U	12-45 / 52-198	2.0 / 30	10 / 145	10
30580-002700	PR.V. 2000 3" NPT 2.5 BAR 35 PSI 10U	12-45 / 52-198	2.5 / 35	10 / 145	10
30580-002800	PR.V. 2000 3" NPT 3.0 BAR 43 PSI 10U	12-45 / 52-198	3.0 / 43	10 / 145	10
30580-002900	PR.V. 2000 3" NPT 3.5 BAR 50 PSI 10U	12-45 / 52-198	3.5 / 50	10 / 145	10
30580-003000	PR.V. 2000 3" NPT 4.0 BAR 57 PSI 10U	12-45 / 52-198	4.0 / 57	10 / 145	10
30580-003100	PR.V. 2000 3" NPT 4.5 BAR 65 PSI 10U	12-45 / 52-198	4.5 / 65	10 / 145	10

