

Back Pressure Valve

Back Pressure Valves are used to maintain pressure at the pump outlet port to insure property metering when the system pressure is lower than the injection pressure and prevent siphoning.

- Reliability and low cost
- Adjustable from 15 to 150 psi
- 2 port (standard) or 3 port (with gauge)
- Viton diaphragm standard (EPDM, Buna)
- Full range of chemically resistant wetted materials



Back Pressure Valves are a required accessory to pump into a low pressure point below the level of the process tank or from a tank with a high head pressure. The diaphragm is held against the valve seat by an internal spring. When the preset pressure is exceeded the diaphragm is forced closed to allow pressure to build back to the set level. The valves are pre-set at 40 psi; however they are field adjustable from 10 to 150 psi, (optional 350 psi) via the adjustment screw. The relief valve should be set approximately 15 psi higher than the system pressure. Installation should be made as close to the pump as possible, without any valves or accessories between the relief valve and the pump.

Eddington Industries performs a pressure test on every back pressure valve prior to shipping. This ensures the unit will operate leak-free and to the specified pressure ratings.

These Eddington Industries back pressure valves come standard without a gauge port or gauge. When ordering please specify if a gauge port and/or gauge is required.

Made in the USA.

Part Number	Connection Size	Material	Diaphragm	Max Pressure @ 70°F	Max Temp.
BP-PVC-050	1/2" FNPT	PVC	Viton	150 psi	140°F (60°C)
BP-PVC-075	3/4" FNPT	PVC	Viton	150 psi	140°F (60°C)
BP-PVC-100	1" FNPT	PVC	Viton	150 psi	140°F (60°C)
BP-CPVC-050	1/2" FNPT	CPVC	Viton	150 psi	195°F (90°C)
BP-CPVC-075	3/4" FNPT	CPVC	Viton	150 psi	195°F (90°C)
BP-CPVC-100	1" FNPT	CPVC	Viton	150 psi	195°F (90°C)
BP-KY-050	1/2" FNPT	PVDF	Viton	150 psi	200°F (93°C)
BP-KY-075	3/4" FNPT	PVDF	Viton	150 psi	200°F (93°C)
BP-KY-100	1" FNPT	PVDF	Viton	150 psi	200°F (93°C)
BP-PP-050	1/2" FNPT	Polypropylene	Viton	150 psi	195°F (90°C)
BP-PP-075	3/4" FNPT	Polypropylene	Viton	150 psi	195°F (90°C)
BP-PP-100	1" FNPT	Polypropylene	Viton	150 psi	195°F (90°C)
BP-SS-050	1/2" FNPT	316 SS	Viton	350 psi	300°F (148°C)
BP-SS-075	3/4" FNPT	316 SS	Viton	350 psi	300°F (148°C)
BP-SS-100	1" FNPT	316 SS	Viton	350 psi	300°F (148°C)

- Alloy 20 and Hastelloy C available upon request
- Socket Connections available