



Diaphragm pressure relief valves are designed to protect pumping systems from over pressure damage caused by defective equipment or blockage in the pump system line.

- Reliable and low cost
- Adjustable from 15 to 150 psi
- 2 port (standard) and 3 port (with gauge)
- Viton diaphragm standard (others available)
- Full range of chemically resistant wetted materials
- Sizes from 1/4" to 1/2" depending on model

Diaphragm pressure relief valves operate when the pressure in the pumping system exceeds the preset pressure of the valve. The diaphragm is held against the valve seat by an internal spring. When the preset pressure is exceeded the diaphragm is forced up and the system fluid flows out the relief port and back to the system fluid tank or to the suction side of the pump. 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 relief valve prior to shipping. This ensures the unit will operate leak-free and to the specified pressure ratings.

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.

The Eddington Industries Back Pressure Valve is available in PVC and CPVC; however, other materials are available on request.

Part Number		Material	Max Temperature
1/4" Inlet/Outlet	1/2" Inlet/Outlet		
EBPV-025-PVC	EBPV-050-PVC	CPVC	140°F (60°C)
EBPV-025-CPVC	EBPV-050-CPVC	PP	140°F (60°C)

Back pressure valves are available in the following NPT port sizes:

	Port Size (NPT)
025	1/4"
050	1/2"

Back Pressure Valve Mounting Kit with hardware is available. Use - Part Number EBPV-MK - when ordering.

Pressure Range: 5 to 150 psi (50 to 350 psi available on metal valves)

Available Diaphragm Material: Viton - standard  
EPDM - upon request