

MODEL BPV
BACK PRESSURE REGULATOR



Back Pressure Regulator Valves are used typically at the end of a boiler supply loop to set the pressure of the fuel oil that is being supplied to the burners. In day tank applications for emergency generators a back pressure regulator may be used to set the supply pressure to the day tank inlet to assure that all day tanks receive oil. These units are completely mechanical in design, a set screw at the top is used to set the back pressure in the field, once set these valves are typically not adjusted. The valve is direct -operated with a range of 2 to 200 psig.



Features	Benefits
Close Stable Regulation	Diaphragm is isolated from the main flow stream. Slotted valve plug and pusher post assembly provides positive guiding for improved shutoff.
Compact Design	Easy installation in limited spaces.
Differential Pressure Capability	Spring-loaded PTFE packing and tapped connections permit pressure loading
Elastomer Seats	Provides Class VI shut-off

Specifications:

Sizes	1/2, 3/4, 1, 1.5, and 2 inch sizes
Body Materials	Gray Cast Iron (-20 to 406 degrees F)
Weight	13 to 55 pounds depending on the size
Maximum Pressures	300 psig inlet, 300 psid outlet, 250psig spring case
Spring Material	Powder coated steel

Consult factory for proper flow sizing.

Body Size, Pressure Ranges, and Flow Information:

Size	Pressure (Control Range) psig	Maximum Flow Range (GPH)	Overall Length (inches)	Overall Height (inches)	Weight (lbs.)
1/2 inch	15 to 35	300	3.88	10.14	13
	25 to 75	300			
	70 to 140	300			
	130 to 200	300			
3/4 and 1 inch	15 to 35	540	4.88	12.48	30
	25 to 75	540			
	70 to 140	540			
	130 to 200	540			
1-1/2 inch	10 to 35	2100	7.25	17.84	55
	20 to 65	2100			
	50 to 100	2100			
	75 to 170	2100			
2 inch	17 to 35	3000	7.25	17.84	55
	20 to 65	3000			
	50 to 100	3000			
	75 to 170	3000			

