

SENTINEL™

BACK PRESSURE VALVES PRESSURE RELIEF VALVES



Redesigned from the inside out.

Eliminate Valve Chatter!

Blacoh's patented Back Pressure Valves and Pressure Relief Valves feature unique flow stabilization technology to deliver improved flow, extend valve service life, and eliminate dreaded valve chatter.



BLACOH™
INDUSTRIES

The BLACOH Advantage

Flow Stabilization

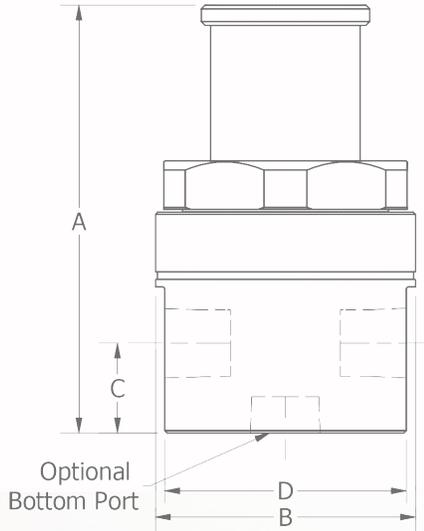
Unique flow stabilization technology improves flow, extends service life, and eliminates valve chatter.

Spring Force

Internal swiveling spring seat ensures spring force is applied evenly over the diaphragm for more consistent and complete valve closure.

Seal Performance

Both plastic and metal valves feature a separate ring attachment for more uniform clamping load and improved seal performance.



Valve Dimensions		2 Port 180°		3 Port, 2 Port 90°		
Size (NPT)	B Dia	D Flat	A	C	A	C
Mini 1/4 to 1/2"	2.47"	2.30"	4.24"	0.85"	4.49"	1.09"
1/2 to 1"	3.47"	3.22"	5.47"	1.00"	5.72"	1.20"
1 1/2"	4.47"	3.92"	8.07"	1.38"		
2"	5.49"	4.88"	9.76"	1.75"		

Back Pressure Valves				Pressure Relief Valves		
Flow at 150 PSI pressure drop across valve:						
Size	Part #	Pulsating US GPH	Continuous US GPM	Part #	Pulsating US GPH	Continuous US GPM
1/4"	BP-025-_-T	240	12	PR-025-_-*	560	28
3/8"	BP-038-_-T	260	13	PR-038-_-*	620	31
1/2"	BP-049-_-T	288	14	PR-049-_-*	660	33
1/2"	BP-050-_-T	600	30	PR-050-_-*	1240	62
3/4"	BP-075-_-T	640	32	PR-075-_-*	1260	63
1"	BP-100-_-T	710	36	PR-100-_-*	1300	65
1 1/2"	BP-150-_-T	1500	75	PR-150-_-*	3000	150
2"	BP-200-_-T	2000	100	PR-200-_-*	4300	215

_ Body Material	PVC (PVC), Polypropylene (PP), CPVC (CPVC), PVDF (PVDF), 316L Stainless Steel (SS), additional materials may be available on request
* Diaphragm	PTFE (T) EPDM (E), Viton (V) option on Pressure Relief Valves
Inlet Type	NPT, Socket Weld (SW), BSP (BSP), Flange (F), Union (U) 150# flange, 300# flange standard on 50-250 psi high pressure valves
Configuration	Back Pressure Valves 2 Port 180° (BP), 2 Port 90° (BP90) Pressure Relief Valves 3 Port (PR), 2 Port 180° (PR2P), 2 Port 90° (PR90)
Spring Pressure	5-150 psi 5-50 psi (L), 5-250 psi valves up to 1" (M), 50-350 psi metal valves (H)
Valve Top	PVC, 316L Stainless Steel standard on 50-350 psi high pressure valves CPVC (CPVC), 316L Stainless Steel (SS) available on request

MADE IN THE **USA**

