## **Back Pressure | Relief Valves**



The Truflo BRP3 Series Back Pressure | Relief Valve has dual functions. It functions as pressure relief valve when it is installed off the branch of a tee fitting located after the pump. It will function as a back pressure valve maintaining pressure when installed in-line down stream of the pump. The valve is normally in a closed position however the opening pressure can be easily adjusted in the field by simply turning the spring tensioning bolt, making fine adjustments in the field is simple and quick.



**SERIES**: BRP3

CONNECTION: ½" - 2" ENDS: NPT | G Threaded

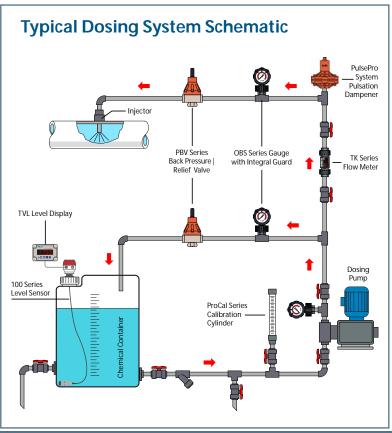
**DIAPHRAGM: PTFE Bonded EPDM** 



TECHNICAL	
Set Pressure Ranges- Pressure Relief	½" to 2" - 5 to 150 PSI
Set Pressure Ranges- Back Pressure	½" to 2" - 5 to 150 PSI
Maximum Viscosity	120 cP
Hysterisis	4 psi

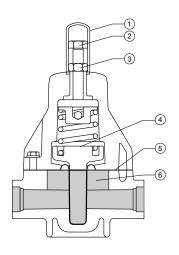
#### **FEATURES**

- Easy installation and maintenance
- Heavy Duty One-Piece Mono-Bloc Body
- Simple Design Reliable Dual Function
- GFPP Corrosion Resistant Bonnet
- PTFE Teflon® bonded EPDM Diaphragm
- Superior Chemical Resistance
- Prevents Anti-Siphoning
- Pressure Setting Range 5-150 psi
- Fast Acting with minimal hysteresis
- Excellent Repeatability
- Unaffected by Down Stream Pressure



# **Back Pressure | Relief Valves**



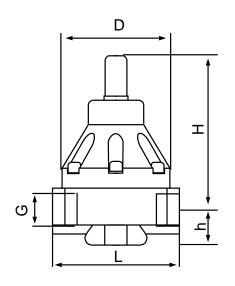


#### **PARTS**

No.	Part	Pcs.	Materials		
1	Body	1	316 SS		
2	Bonnet	1	PPG		
3	Spring	1	Galvanized Steel		
4	Control Diaphragm	1	PTFE bonded EPDM		
5	Piston	1	PVC, PP, PVDF		
6	Lower Spring Retainer	1	PPG		

### **DIMENSIONS**

Model	Size	L	D	н	h	G
BRP3005	1/2"	94	82	140	23	1/2"
BRP3075	3/4"	95	82	140	23	3/4"
BRP3100	1.0"	121	107	160	26	1"
BRP3125	1-1/4"	121	107	160	26	1-1/4"
BRP3150	1-1/2"	181	155	207	31	1-1/2"
BRP3200	2"	181	155	207	31	2"



#### **CV Values**

1⁄2" (3.	9) 3/4" (7.4)	1" (8.9)	1¼" (17.1)	1½" (18.8)	2" (21.6)
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#### **MAXIMUM PRESSURES PSI**

	316 SS					
Size		50°C				l .
	86°F	122°F	158°F	176°F	194°F	212°F
1/2" - 2"	150	150	150	90	30	15

### **ORDERING EXAMPLE**

Back Pressu	re / Relief Va	lives BRP3	005	Т
Body Material	<b>A</b> – 316 SS	Diaphrgm - PTFE Teflon® Bonded to EPDM		
Size		012 - 1-1/4" 015 - 1-1/2" 020 - 2"		
Ends	<b>T</b> – Threaded	<b>G</b> – G Type Thread		