



BLAZE



Pressure Relief Valve

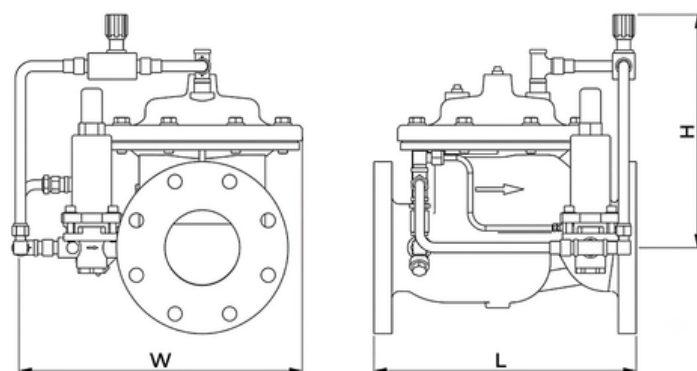
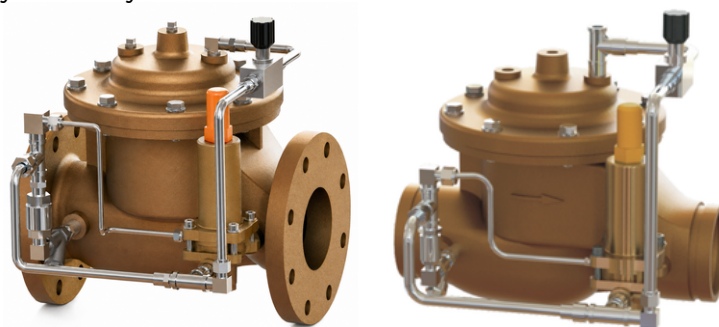
Model : BT 5932G

Description:

The BT 5932G Pressure Relief Valve is a pilot-operated automatic control valve designed to protect fire protection pumping systems from excessive pressure. Cast from high-grade bronze, this angle-pattern valve automatically relieves excess discharge pressure and maintains a constant system pressure as flow demand changes.

Its robust bronze construction offers natural, exceptional resistance to marine environments, brackish water, and cavitation, ensuring an extended service life without the risk of internal coating degradation. The valve delivers highly stable, accurate pressure regulation to protect pumps and piping from overpressure while enhancing overall system safety.

The BT 5932G Pressure Relief Valve operates smoothly over a wide flow range. Its advanced hydraulic design features quick-opening capabilities to immediately relieve dangerous pressure spikes, paired with an adjustable closing speed to prevent water hammer and protect the system from sudden shocks.



Specifications :

Size	DN40-DN300 (1 ½" - 12")
Maximum Working Pressure	20.7 bar (300 psi)
Temperature Range	0° C to 80°C (32°F to 176°F)
Approvals	UL 1478 Listed
End Connection	Flanged to ANSI Class 150 RF (*ANSI Class 125 / PN 16 Available on Request) Grooved Ends to AWWA C606 Standard.
Finish	Natural / (Optional - FBE Coating / Painted)
Pressure Adjustment Range	65 psi to 300 psi

Dimensions (Straight Type):

Order Code	Size	L (mm / inch)			H (mm / inch)	W (mm / inch)
		FL x FL	FL x GR	GR x GR		
BT-5932G-040-300-RF / -GG	1 ½"*	200 / 7.87"	210 / 8.26"	220 / 8.66"	180 / 7.1"	410 / 16.2"
BT-5932G-050-300-RF / -GG	2"*	230 / 9.05"	236 / 9.26"	241 / 9.48"	200 / 7.9"	420 / 16.6"
BT-5932G-065-300-RF / -GG	2 ½"	290 / 11.42"	290 / 11.42"	290 / 11.42"	215 / 8.46"	440 / 17.35"
BT-5932G-080-300-RF / -GG	3"	310 / 12.2"	318 / 12.5"	325 / 12.8"	265 / 10.45"	455 / 18"
BT-5932G-100-300-RF / -GG	4"	350 / 13.78"	366 / 14.4"	381 / 15"	310 / 12.2"	470 / 18.5"
BT-5932G-125-300-RF / -GG	5"	400 / 15.75"	410 / 16.15"	419 / 16.5"	360 / 14.2"	490 / 19.3"
BT-5932G-150-300-RF / -GG	6"	480 / 18.9"	494 / 19.4"	508 / 20"	380 / 15"	540 / 21.25"
BT-5932G-200-300-RF / -GG	8"	600 / 23.6"	623 / 24.5"	645 / 25.4"	450 / 17.75"	590 / 23.23"
BT-5932G-250-300-RF / -GG	10"*	730 / 28.75"	746 / 29.37"	762 / 30"	570 / 22.45"	640 / 25.2"
BT-5932G-300-300-RF / -GG	12"*	850 / 33.46"	875 / 34.44"	900 / 35.43"	690 / 27.2"	690 / 27.2"

Note : Size 1 ½", 2", 10" & 12" are Only FM Approved.

BLAZETECH SYSTEMS LTD.

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Model : BT 5932G

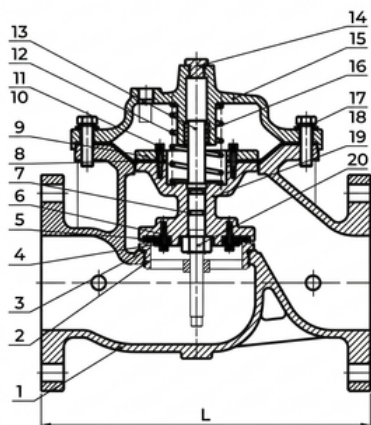


Fig. FL x FL

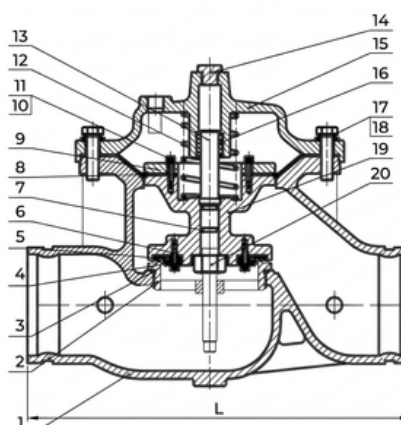
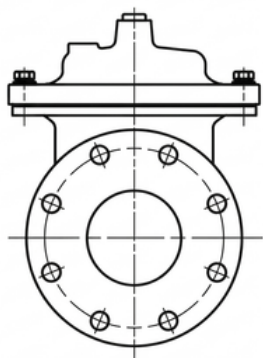
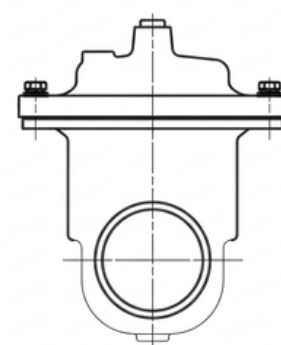


Fig. GR x GR



Material Specifications :

Item	Part Name	Material	ASTM Specification
1	Body	Bronze	B148 C95400
2	Seat Ring	Stainless Steel	CF8
3	O-Ring	Rubber	EPDM
4	Seal Gland	Stainless Steel	CF8
5	Seal Disc	Rubber	EPDM
6	Bolt	Stainless Steel	ASTM A193 B8
7	O-Ring	Rubber	EPDM
8	Diaphragm	Nylon Reinforced Natural Rubber (NBR optional)	
9	Diaphragm Disc	Ductile Iron	A536 Gr. 65-45-12
10	Screw	Alloy Steel	ASTM A193 B8

Item	Part Name	Material	ASTM Specification
11	Washer	Stainless Steel	ASTM A276 304
12	Spring	Stainless Steel	ASTM A276 304
13	Stem	Stainless Steel	ASTM A276 304
14	Plug	Brass	
15	Bonnet	Ductile Iron	A536 Gr. 65-45-12
16	Guide sleeve	Bronze	B148 C95800
17	Bolt	Stainless Steel	
18	Washer	Stainless Steel	
19	Diaphragm Adapter	Ductile Iron	A536 Gr. 65-45-12
20	Nut	Stainless Steel	ASTM A194 Grade 8

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