



BLAZE



Pressure Relief Valve

Model : BT 5933A

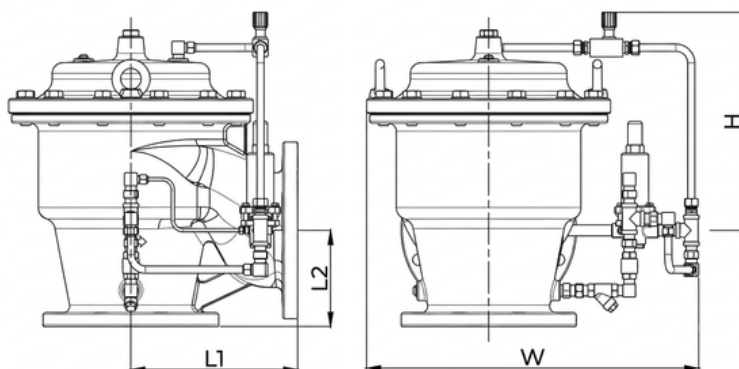
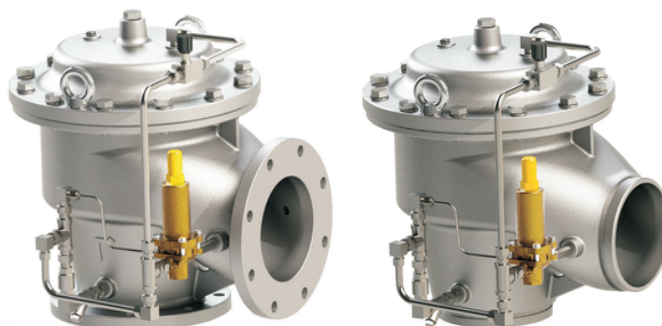
Description:

The BT 5933A Pressure Relief Valve is a pilot-controlled, hydraulically actuated relief valve engineered to protect fire pump discharge systems from excessive pressure. Constructed from high-grade stainless steel, it resists rust and degradation during long standby periods, ensuring dependable operation in corrosive, high-humidity, or salt-air environments. The valve automatically relieves excess discharge pressure to maintain a steady system setpoint and delivers highly stable pressure control while operating smoothly across a wide flow range. Its advanced hydraulic design combines quick opening to dissipate dangerous pressure spikes with an adjustable closing speed that prevents water hammer and shields the system from sudden shocks, and a reduced-cavitation design that minimizes cavitation, noise, and component wear to extend service life.

Simple field adjustment, surge-free modulation, and long-term durability makes the BT 5933A a low-maintenance, high-reliability solution for demanding fire protection applications.

Specifications :

Size	DN80-DN200 (3" - 8")
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
Pressure Adjustment Range	65 psi to 300 psi



Dimensions (Angle Type):

Order Code	Size	L1 (mm / inch)	L2 (mm / inch)	H (mm / inch)	W (mm / inch)
BT-5933A-080-300-RF / -GG	3"	149 / 5.9"	110 / 4.3"	265 / 10.5"	455 / 18.0"
BT-5933A-100-300-RF / -GG	4"	185 / 7.3"	130 / 5.1"	310 / 12.2"	470 / 18.5"
BT-5933A-125-300-RF / -GG	5"	218 / 8.6"	140 / 5.5"	360 / 14.2"	490 / 19.3"
BT-5933A-150-300-RF / -GG	6"	265 / 10.4"	155 / 6.1"	380 / 15.0"	540 / 21.3"
BT-5933A-200-300-RF / -GG	8"	326 / 12.8"	190 / 7.5"	450 / 17.8"	590 / 23.2"

BLAZETECH SYSTEMS LTD.

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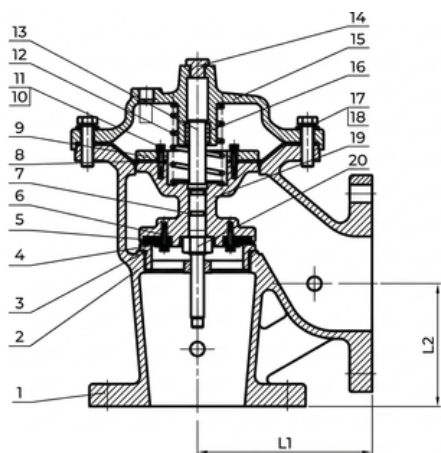


Fig. FL x FL

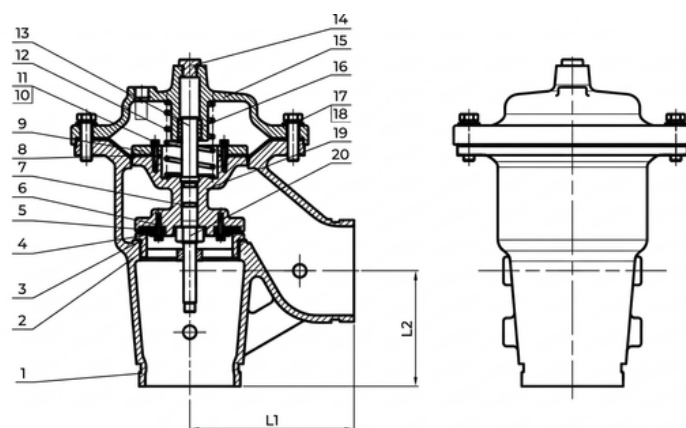


Fig. GR x GR

Material Specifications :

Item	Part Name	Material	ASTM Specification
1	Body	Stainless Steel	CF8* / CF8M / CF3M / S31803 / S32750
2	Seat Ring	Stainless Steel	CF8M
3	O-Ring	Rubber	EPDM
4	Seal Gland	Stainless Steel	-
5	Seal Disc	Rubber	EPDM
6	Bolt	Stainless Steel	ASTM A193 B8
7	O-Ring	Rubber	EPDM (NBR optional)
8	Diaphragm	Nylon Reinforced Natural Rubber (NBR optional)	
9	Diaphragm Disc	Stainless Steel	CF8M
10	Screw	Stainless Steel	SS316

Item	Part Name	Material	ASTM Specification
11	Washer	Stainless Steel	SS316
12	Spring	Stainless Steel	SS316
13	Stem	Stainless Steel	SS316
14	Plug	Stainless Steel	SS316
15	Bonnet	Stainless Steel	CF8* / CF8M / CF3M / S31803 / S32750
16	Guide sleeve	Bronze	B148 C95800
17	Bolt	Stainless Steel	A4-70
18	Washer	Stainless Steel	SS316
19	Diaphragm Adapter	Stainless Steel	CF8M
20	Nut	Stainless Steel	SS316

* Standard Supply

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