

**BLAZE**

Pressure Reducing Valve

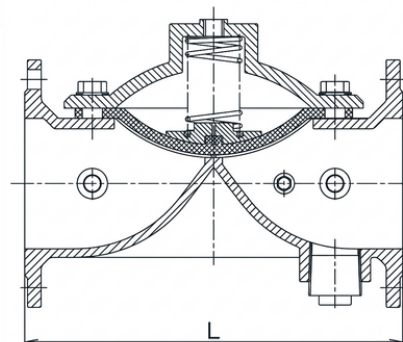
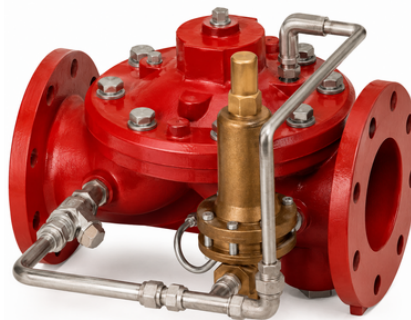
Model : BT 5920

Description:

The BT 5920 Pressure Reducing Valve is a hydraulically operated, pilot-controlled valve designed to reduce a higher inlet pressure to a constant, preset downstream pressure, regardless of fluctuations in flow or inlet pressure. Featuring a durable ductile iron body, adjustable pressure settings, and easy in-line maintenance, it provides reliable and accurate pressure control for fire protection and water distribution systems. It is available with multiple end connection options to suit a wide range of installations.

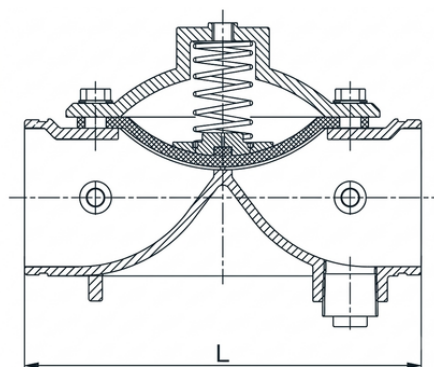
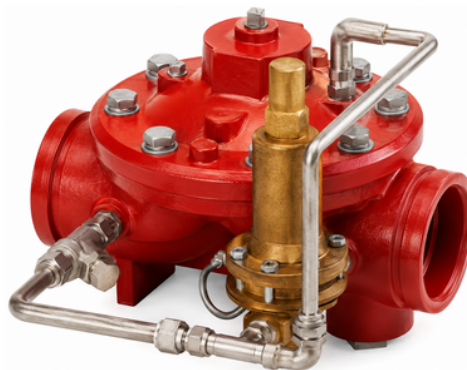
Specifications:

Size	DN 50-DN 250 (2" - 10")
Maximum Working Pressure	20.7 bar (300 psi)
Temperature Range	0°C to 87°C (32°F to 188°F)
Approvals	FM 1362 Approved.
End Connection	Flanged to ANSI Class 150 RF (*ANSI Class 125 / PN 16 Available on Request) Grooved Ends to AWWA C606 Standard.
Coating	FBE Coating in accordance with ANSI / AWWA C550. Average Coating Thickness 250 Microns
Pressure Adjustment Range	65 psi to 165 psi



Dimensions :

Order Code	Size	L (mm / inch)
BT-5920-050-300-RF / -GG	2"	233 / 9.2"
BT-5920-065-300-RF / -GG	2 ½"	290 / 11.5"
BT-5920-080-300-RF / -GG	3"	310 / 12.2"
BT-5920-100-300-RF / -GG	4"	356 / 14"
BT-5920-125-300-RF / -GG	5"	370 / 14.5"
BT-5920-150-300-RF / -GG	6"	436 / 17.2"
BT-5920-200-300-RF / -GG	8"	530 / 20.8"
BT-5920-250-300-RF / -GG	10"	636 / 25"

**BLAZETECH SYSTEMS LTD.**✉ contact@blaze-tech.co.uk

Milton Keynes, United Kingdom

www.blaze-tech.co.uk

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Pressure Reducing Valve

Model : BT 5920

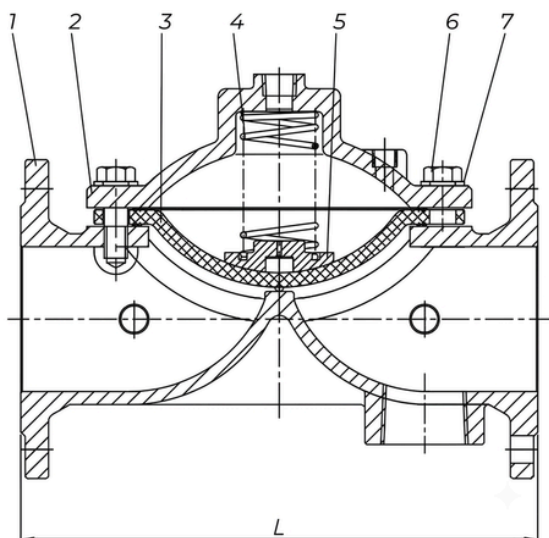


Fig. FL x FL

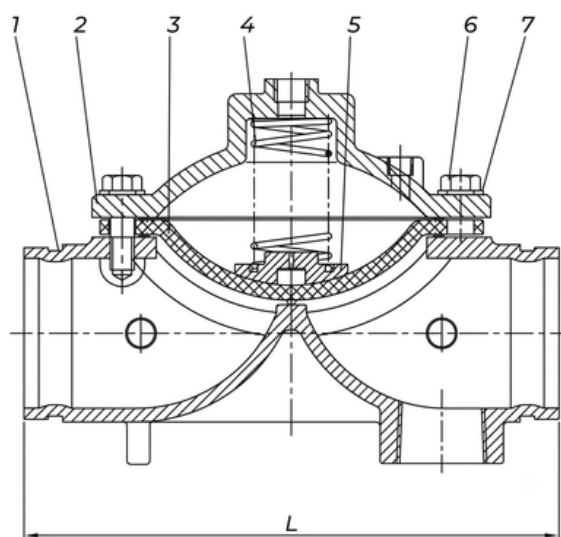


Fig. GR x GR

Material Specifications:

Item	Part Name	Material	ASTM Specification
1	Body	Ductile Iron	A536 Grade 65-45-12
2	Cover	Ductile Iron	A536 Grade 65-45-12
3	Diaphragm	Nylon Reinforced Natural Rubber	
4	Spring	Stainless Steel	A276 Type 304
5	Spring Retainer	Ductile Iron	A536 Grade 65-45-12
6	Bolt	Carbon Steel	A307 Grade B
7	Washer	Stainless Steel	A276 Type 304

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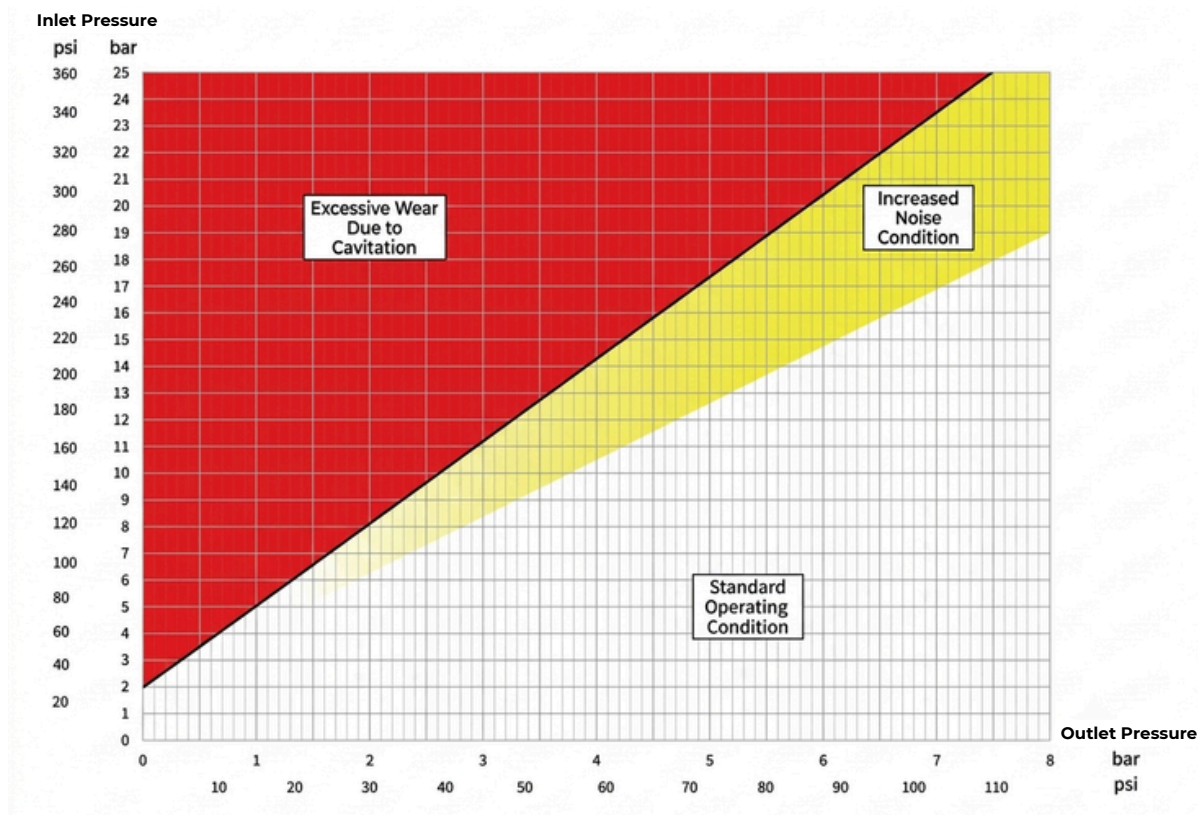
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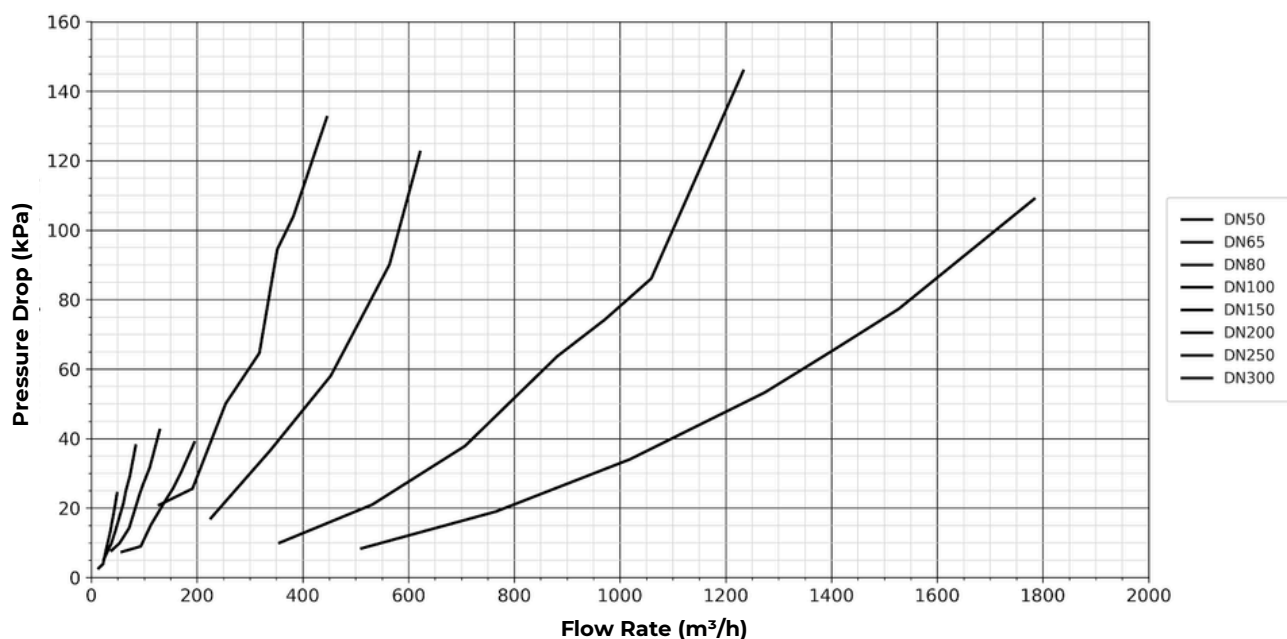
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Cavitation Chart :



Pressure Drop V/s Flow Rate :



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