



BLAZE



Dry Alarm Valve

Model : - BT 5940F / 5940G / 5940FG

Description:

The Dry Alarm Valve is designed for use in dry pipe sprinkler systems installed in areas where temperatures may fall below freezing. It acts as a water flow alarm device, allowing water to enter the sprinkler system only when the system is activated, helping to prevent water from freezing in the pipework.

Specifications:

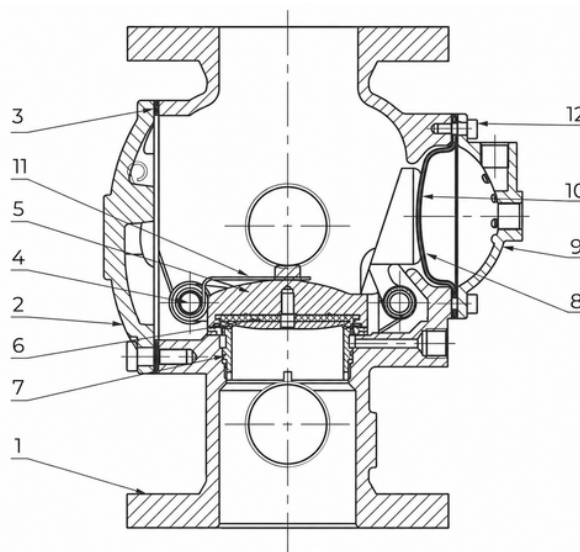
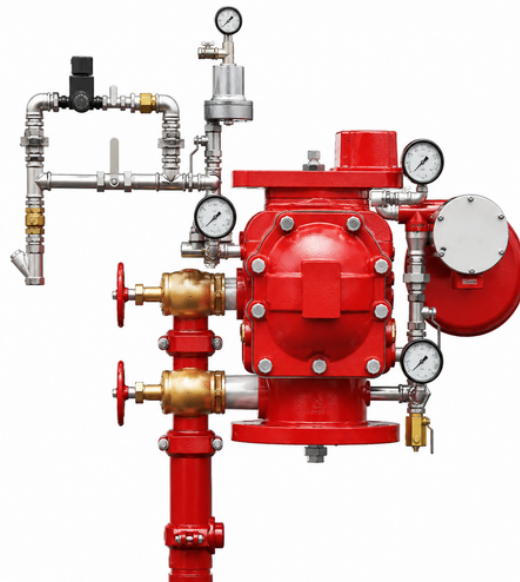
Size	DN80 - DN200 (3" - 8")
Maximum Working Pressure	20.7 Bar (300 psi)
Approvals	FM Approved / UL Listed

Connections :

Model	End Connection	Connection Type
BT 5940F	Flange X Flange	ANSI B16.42 Class 150 RF - Standard Supply * Optional - ANSI B16.1/PN16 RF Flange
BT 5940G	Grooved X Grooved	AWWA C606 Standard
BT 5940FG	Flanged X Grooved	ANSI B16.42 Class 150 RF x AWWA C606 Standard

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	Body/Cover Gasket	Rubber	EPDM
4	Hinge Pin	Stainless Steel	SS 304
5	Clapper	Bronze	B148 C95500
6	Clapper Seal	Rubber	EPDM
7	Body Seat	Bronze	B62 C83600
8	Diaphragm	Rubber	EPDM with fabric
9	Diaphragm Cover	Ductile Iron	A536 Grade 65-45-12
10	Latch	Bronze	B148 C95500
11	Spring	Stainless Steel	SS 304
12	Bonnet Fasteners	Carbon Steel	A307 Grade B



BLAZETECH SYSTEMS LTD.

contact@blaze-tech.co.uk

Milton Keynes, United Kingdom

www.blaze-tech.co.uk

Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.

PRECISION YOU CAN TRUST

01/03

Ver. A, 15032026, © Blaze 2026

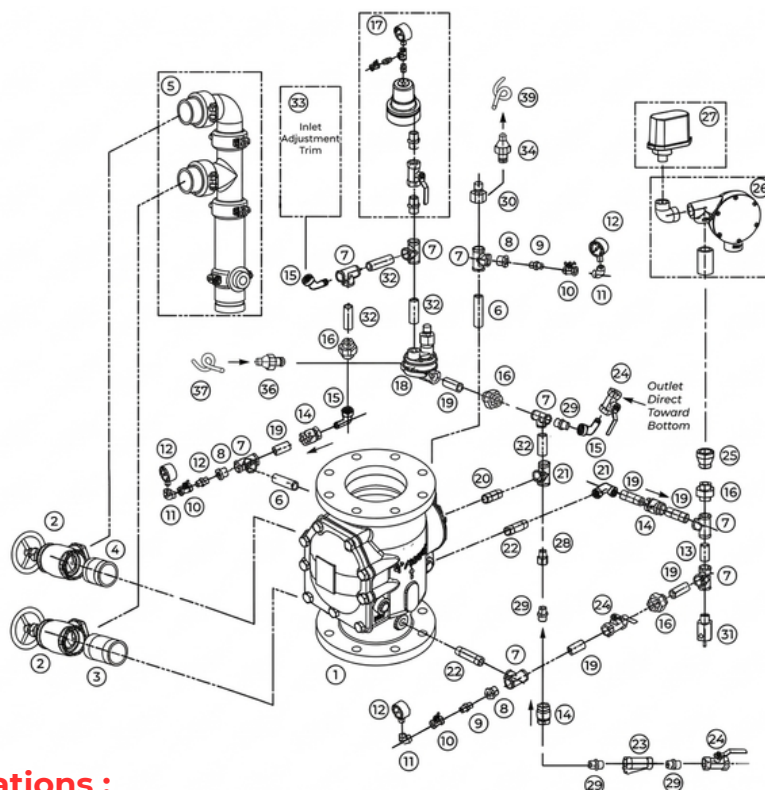


BLAZE



Dry Alarm Valve

Model : - BT 5940F / 5940G / 5940FG



Material Specifications :

Item	Part Name	Material
1	Dry Pipe Valve Assembly	Assembly
2	2" Angle Valve	Assembly
3	2" Barrel Nipple	Carbon Steel
4	2" Barrel Nipple	Carbon Steel
5	Drain Connection Kit	Assembly
6	1/2" Barrel Nipple	Carbon Steel
7	1/2" Straight Tee	Malleable Iron
8	1/2" X 1/4" Bushing	Malleable Iron
9	1/4" Hexagon Nipple	Stainless Steel
10	1/4" Ball Valve	Brass
11	1/4" Street Elbow	Stainless Steel
12	Pressure Gauge	Assembly
13	1/2" Barrel Nipple	Carbon Steel
14	1/2" Check Valve	Brass
15	1/2" Street Elbow	Malleable Iron
16	1/2" Barrel Nipple	Malleable Iron
17	Dry Accelerator Assembly	Assembly
18	Low-Pressure Actuator Assembly	Assembly
19	1/2" Barrel Nipple	Carbon Steel

Item	Part Name	Material
20	1/2" Barrel Nipple	Carbon Steel
21	1/2" Street Elbow	Malleable Iron
22	1/2" Barrel Nipple	Carbon Steel
23	1/2" Y-Strainer	Brass
24	1/2" Ball Valve	Brass
25	1/2" X 1/4" Bushing	Stainless Steel
26	Water Motor Gong Assembly	Assembly
27	Pressure Switch Assembly	Assembly
28	Restrictor Plug	Brass
29	1/2" Hexagon Nipple	Malleable Iron
30	Low-Pressure Drain Valve	Brass
31	Auto Drain Valve	Brass
32	1/2" Check Valve	Carbon Steel
33	Inlet Adjustment Assembly	Assembly
34	1/4" Through Sleeve	Bronze
35	Soft Pipe	PVC
36	1/4" Street Elbow Sleeve	Bronze
37	Soft Pipe	PVC

BLAZETECH SYSTEMS LTD.

contact@blaze-tech.co.uk

Milton Keynes, United Kingdom

www.blaze-tech.co.uk

Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.

PRECISION YOU CAN TRUST

02/03

Ver. A, 15032026, © Blaze 2026

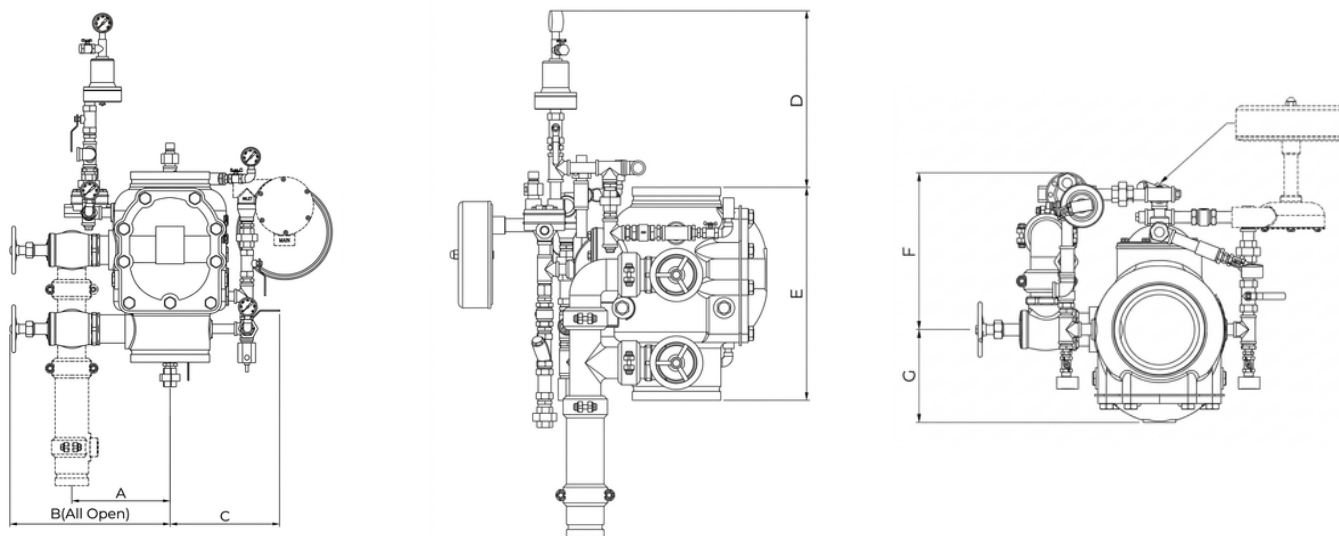


BLAZE



Dry Alarm Valve

Model : - BT 5940F / 5940G / 5940FG

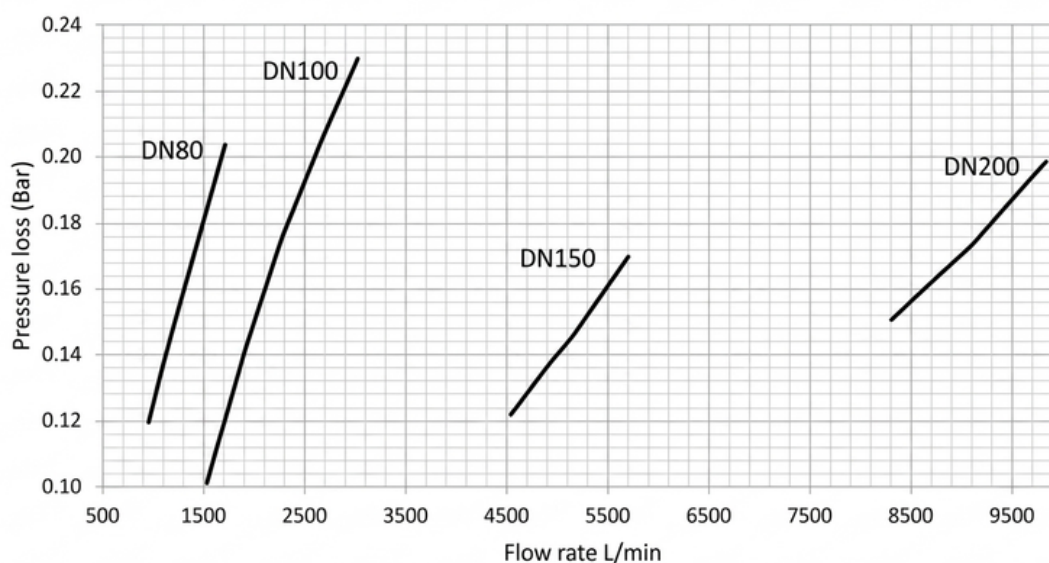


Dimensions :

Measurements in mm/inch									
Valve Size	A	B	C	D	E			F	G
					F X F	F X G	G X G		
3"	150/5.90	300/11.81	210/8.27	375/14.76	325/12.8	310/12.20	310/12.20	265/10.43	120/4.72
4"	180/7.09	350/13.78	210/8.27	375/14.76	355/13.98	343/13.5	343/13.5	265/10.43	135/5.31
6"	210/8.27	375/14.76	250/9.84	345/13.58	431/16.97	405/15.94	405/15.94	290/11.42	175/6.89
8"	240/9.45	415/16.34	275/1.83	325/12.80	460/18.11	445/17.52	445/17.52	310/12.20	190/7.48

Pressure Loss :

Pressure Loss



BLAZETECH SYSTEMS LTD.

contact@blaze-tech.co.uk

Milton Keynes, United Kingdom

www.blaze-tech.co.uk

Disclaimer: Images shown are for illustration purposes only. Actual products may vary in appearance and specification. Specifications are subject to change without notice.

PRECISION YOU CAN TRUST

03/03

Ver. A, 15032026, © Blaze 2026