



BLAZE



Deluge Valve

Model : BT 5910

Description:

The BT 5910 Deluge Valve is a quick-opening, diaphragm-operated valve designed for fire protection systems requiring immediate water discharge. Suitable for deluge, water spray, and foam-water systems, it can be activated automatically or manually during an emergency. Its low-pressure-loss design ensures high flow performance, making it ideal for industrial, commercial, marine, and special hazard fire protection applications.

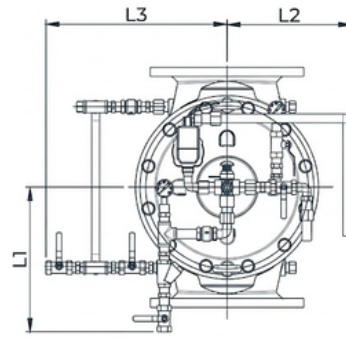
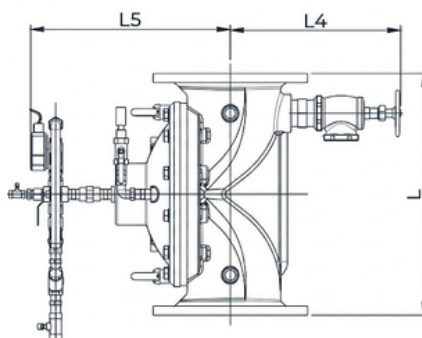
Specifications:

Size	DN 50 to DN 300 (2"- 12")
Maximum Working Pressure	20.7 bar (300 psi)
Approval	UL 260 Listed
Installation Orientation	Horizontal & Vertical
End Connection	Standard Supply - ANSI Class 150RF / Grooved Ends to AWWA C606 Standard. *Optional ANSI Class 125 / PN 16
Trim	Wet Pilot Actuation as Standard. *Electric / Dry Pilot Actuation as Optional
Temperature Range	0° C to 80°C (32°F to 176°F)
Coating	Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 Standard. Average Coating Thickness 250 Microns



Starting Mode :

Type	Description
1	Wet Pilot Actuation + Manual Guide
2	Dry Pilot Actuation + Manual Guide
3	Electrical Signals to Guide + Manual Guide
4	Electrical Signals and Gas Signals + Manual Guide



Dimensions:

Order Code	Size	L	L1	L2	L3	L4	L5
BT-5910-050-300-RF / -GG	2"	233/9.2	345/13.6	270/10.6	400/15.8	310/12.2	300/11.8
BT-5910-065-300-RF / -GG	2-1/2"	290/11.4	345/13.6	270/10.6	400/15.8	330/13.0	310/12.2
BT-5910-080-300-RF / -GG	3"	310/12.2	345/13.6	270/10.6	410/16.1	330/13.0	360/14.2
BT-5910-100-300-RF / -GG	4"	356/14.0	345/13.6	270/10.6	420/16.5	350/13.8	360/14.2
BT-5910-125-300-RF / -GG	5"	370/14.6	345/13.6	270/10.6	430/16.9	360/14.2	360/14.2
BT-5910-150-300-RF / -GG	6"	436/17.2	345/13.6	270/10.6	450/17.7	380/15.0	380/15.0
BT-5910-200-300-RF / -GG	8"	530/20.9	345/13.6	280/11.0	470/18.5	400/15.8	450/17.7
BT-5910-250-300-RF / -GG	10"	636/25.0	365/14.4	320/12.6	500/19.7	430/16.9	480/18.9
BT-5910-300-300-RF / -GG	12"	835/32.9	465/18.3	410/16.1	530/20.9	470/18.5	520/20.5

BLAZETECH SYSTEMS LTD.

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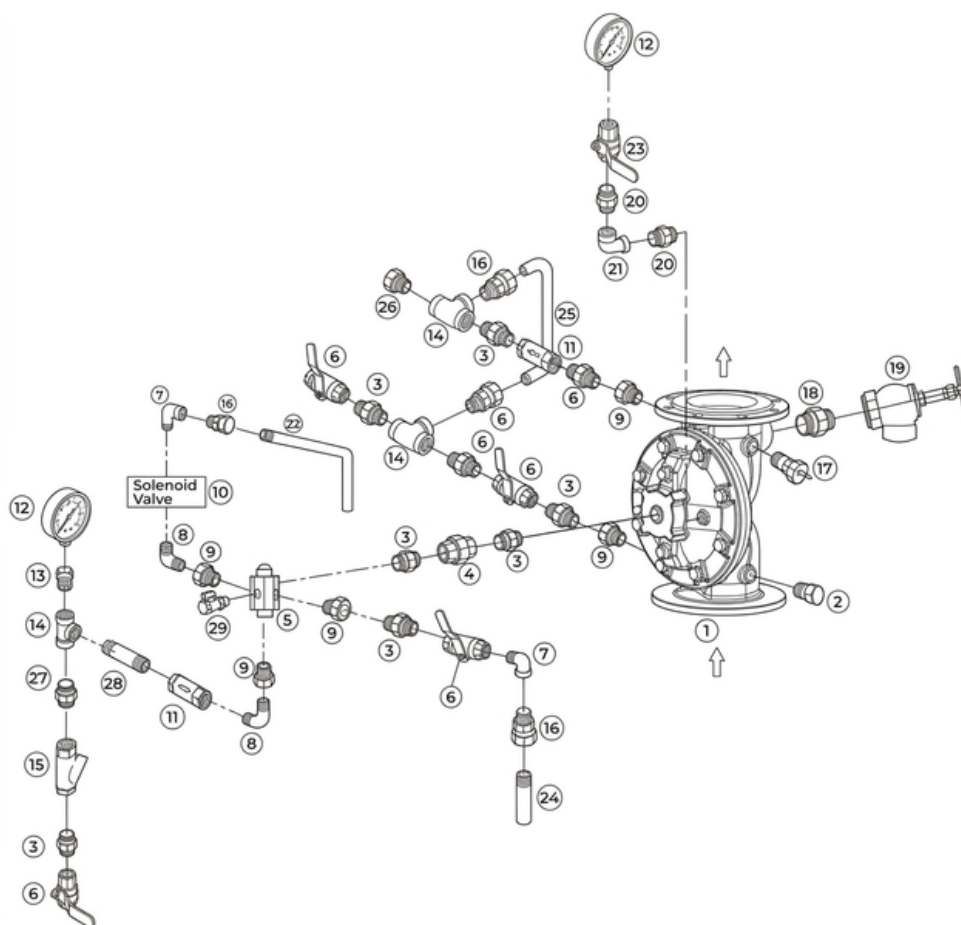


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Deluge Valve

Model : BT 5910



Material Specifications :

Item	Part Name	Material
1	Main Valve	Assembly
2	Plug	ASTM A276 Type SS304
3	1/2" NPT Screwed Nipple	ASTM A276 Type SS304
4	1/2" NPT Screwed Union	ASTM A276 Type SS304
5	Water Relay	Brass
6	1/2" Ball Valve	Brass
7	1/2" NPT Screwed 90° Elbow	ASTM A276 Type SS304
8	1/2" NPT Screwed 90° Elbow	ASTM A276 Type SS304
9	1/2" Male-internal Thread Nipple	ASTM A276 Type SS304
10	Solenoid Valve	Brass
11	1/2" Check Valve	Brass
12	Water Pressure Gauge	Assembly
13	1/2"x1/4" NPT Screwed Reducing Joint	ASTM A276 Type SS304
14	1/2" NPT Screwed Tee	ASTM A276 Type SS304
15	1/2" Y-Strainer	Brass

Item	Part Name	Material
16	1/2" NPT Screwed Card Sleeve Joint	ASTM A276 Type SS304
17	Drip Valve	Brass
18	NPT Screwed Nipple	ASTM A276 Type SS304
19	Angle Valve	Brass
20	1/4" NPT Screwed Nipple	ASTM A276 Type SS304
21	1/4" NPT Screwed 90° Elbow	ASTM A276 Type SS304
22	Tube 1	ASTM A276 Type SS304
23	1/4" Ball Valve	Brass
24	Tube 2	ASTM A276 Type SS304
25	Tube 3	ASTM A276 Type SS304
26	Plug	ASTM A276 Type SS304
27	1/2" NPT Screwed Nipple	ASTM A276 Type SS304
28	1/2" NPT Screwed Pipe	ASTM A276 Type SS304
29	1/4" Mini Ball Valve	Brass

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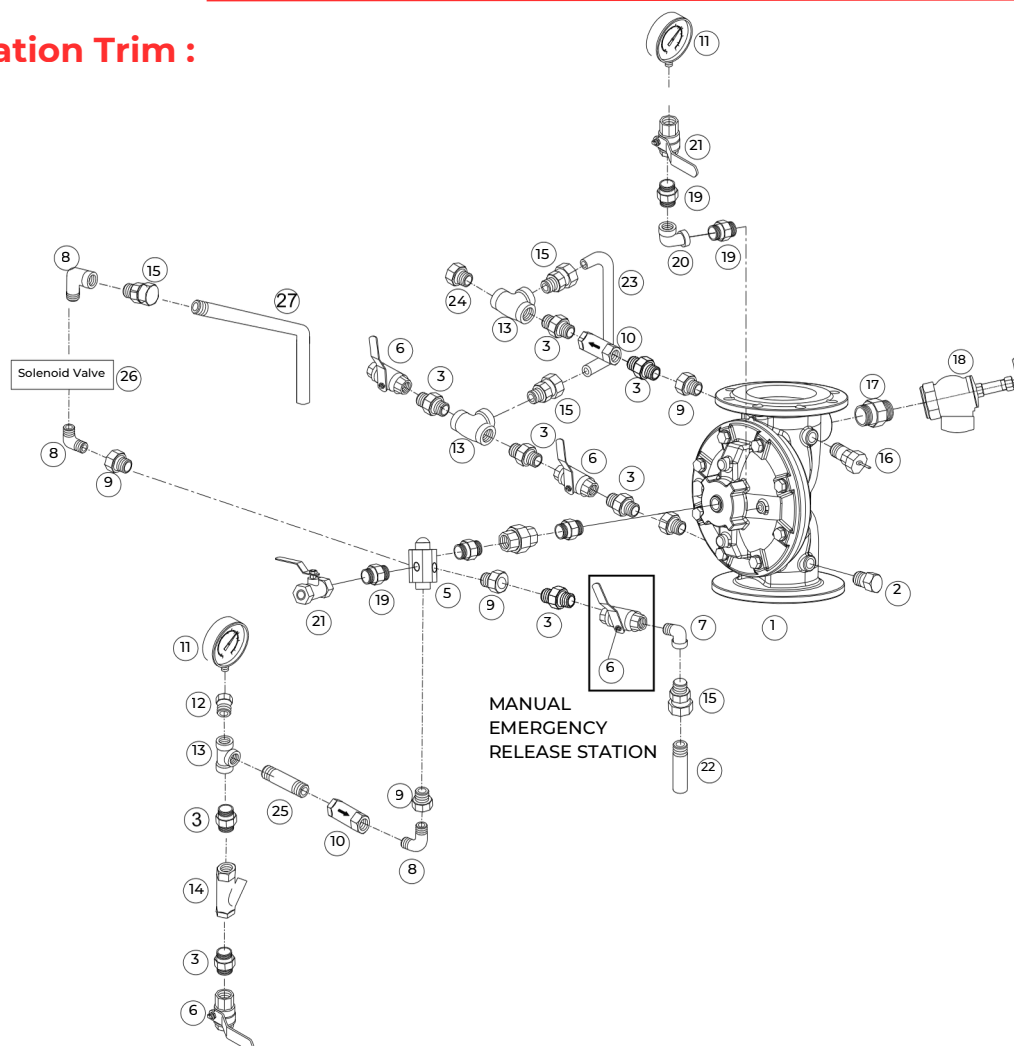
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Deluge Valve

Model : BT 5910

Electric Actuation Trim :



Material Specifications :

Item	Part Name	Material
1	Main Valve	Assembly
2	1/2" NPT Plug	ASTM A276 SS304
3	1/2" Pipe Fitting	ASTM A276 SS304
4	1/2" Pipe Fitting	ASTM A276 SS304
5	Hydraulic Relay	Assembly
6	1/2" Ball Valve	ASTM A276 SS304
7	1/2" 90°Elbow	ASTM A276 SS304
8	1/2" 90°Elbow	Brass
9	1/2" Pipe Fitting	ASTM A276 SS304
10	1/2" Check Valve	Brass
11	Pressure Gauge	Brass
12	Reducer Union	ASTM A276 SS304
13	1/2" Tee Joint	ASTM A276 SS304
14	1/2" Y-Strainer	Brass

Item	Part Name	Material
15	Card Sleeve Joint	ASTM A276 SS304
16	Drip Valve	Brass
17	Pipe Fitting	ASTM A276 SS304
18	Globe Valve	Brass
19	1/4" Pipe Fitting	ASTM A276 SS304
20	1/4" 90°Elbow	ASTM A276 SS304
21	1/4" Ball Valve	Brass
22	Drain Pipe	ASTM A276 SS304
23	Pipe	ASTM A276 SS304
24	Reducer Union	ASTM A276 SS304
25	1/2" Pipe Fitting	ASTM A276 SS304
26	Solenoid Valve	Assembly
27	Drain Pipe	ASTM A276 SS304

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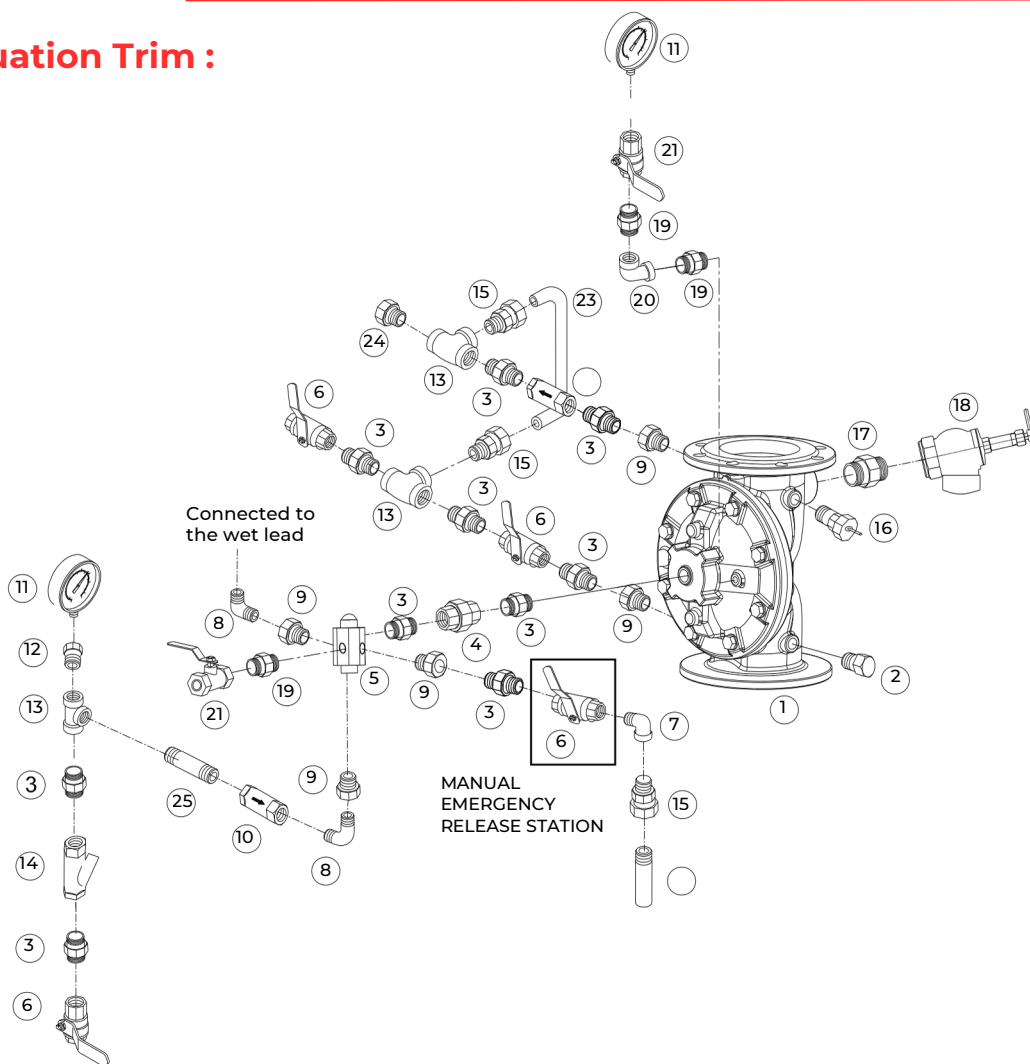
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Deluge Valve

Model : BT 5910

Wet Pilot Actuation Trim :



Material Specifications :

Item	Part Name	Material
1	Main Valve	Assembly
2	1/2" NPT Plug	ASTM A276 SS304
3	1/2" Pipe Fitting	ASTM A276 SS304
4	1/2" Pipe Fitting	ASTM A276 SS304
5	Hydraulic Relay	Assembly
6	1/2" Ball Valve	Brass
7	1/2" 90°Elbow	ASTM A276 SS304
8	1/2" 90°Elbow	ASTM A276 SS304
9	1/2" Pipe Fitting	ASTM A276 SS304
10	1/2" Check Valve	Brass
11	Pressure Gauge	Brass
12	Reducer Union	ASTM A276 SS304
13	1/2" Tee Joint	ASTM A276 SS304

Item	Part Name	Material
14	1/2" Y-Strainer	Brass
15	Card Sleeve Joint	ASTM A276 SS304
16	Drip Valve	Brass
17	Pipe Fitting	ASTM A276 SS304
18	Globe Valve	Brass
19	1/4" Pipe Fitting	ASTM A276 SS304
20	1/4" 90°Elbow	ASTM A276 SS304
21	1/4" Ball Valve	Brass
22	Drain Pipe	ASTM A276 SS304
23	Pipe	ASTM A276 SS304
24	Reducer Union	ASTM A276 SS304
25	1/2" Pipe Fitting	SS304

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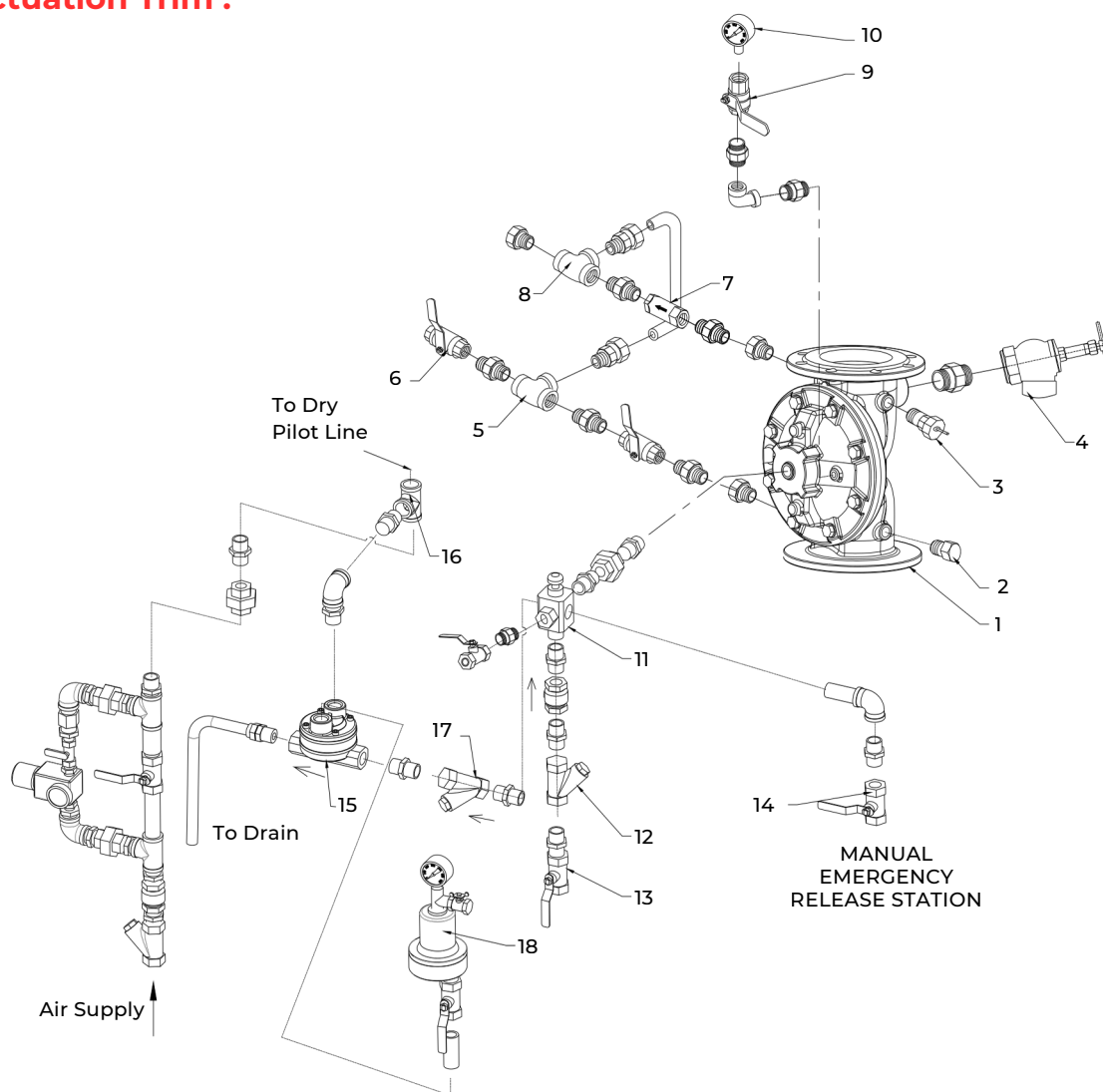
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Deluge Valve

Model : BT 5910

Dry Pilot Actuation Trim :



Material Specifications :

Item	Part Name	Material
1	Main Valve	Assembly
2	1/2" NPT Plug	ASTM A276 SS304
3	Drip Valve	Brass
4	Angle Valve	Brass
5	1/2" Tee Joint	ASTM A276 SS304
6	1/2" Ball Valve	Brass
7	1/2" Check Valve	Brass
8	1/2" Tee Joint	ASTM A276 SS304
9	1/4" Ball Valve	Brass

Item	Part Name	Material
10	Pressure Gauge	Assembly
11	Water Relay	Brass
12	1/2" Y-Strainer	Brass
13	1/2" Ball Valve	Brass
14	1/2" Ball Valve	Brass
15	Low-Pressure Drain Valve	Bronze
16	1/2" Tee Joint	ASTM A276 SS304
17	1/2" Y-Strainer	Brass
18	Accelerator	Assembly

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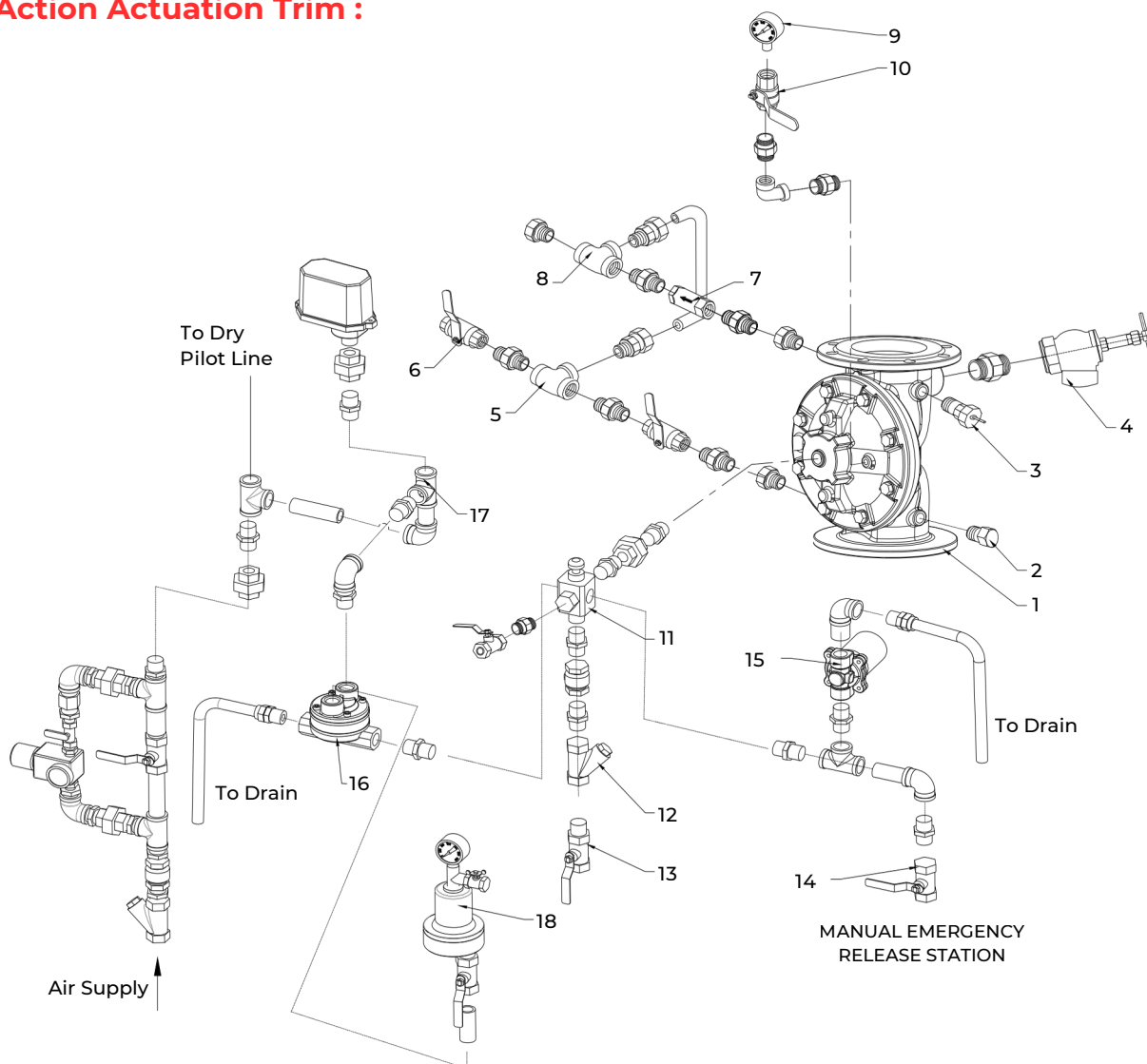
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Deluge Valve

Model : BT 5910

Double Action Actuation Trim :



Material Specifications :

Item	Part Name	Material
1	Main Valve	Assembly
2	1/2" NPT Plug	ASTM A276 SS304
3	Drip Valve	Brass
4	Angle Valve	Brass
5	1/2" Tee Joint	ASTM A276 SS304
6	1/2" Ball Valve	Brass
7	1/2" Check Valve	Brass
8	1/2" Tee Joint	ASTM A276 SS304
9	1/4" Ball Valve	Brass

Item	Part Name	Material
10	Pressure Gauge	Assembly
11	Water Relay	Brass
12	1/2" Y-Strainer	Brass
13	1/2" Ball Valve	Brass
14	1/2" Ball Valve	Brass
15	Solenoid Valve	Assembly
16	Low-Pressure Drain Valve	Bronze
17	1/2" Tee Joint	ASTM A276 SS304
18	Accelerator	Assembly

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