

Model 799DX-03C06

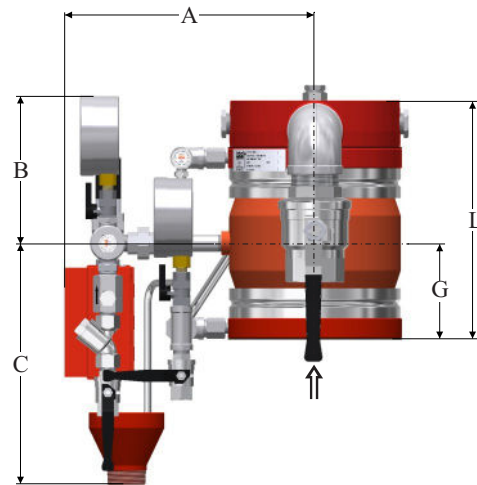
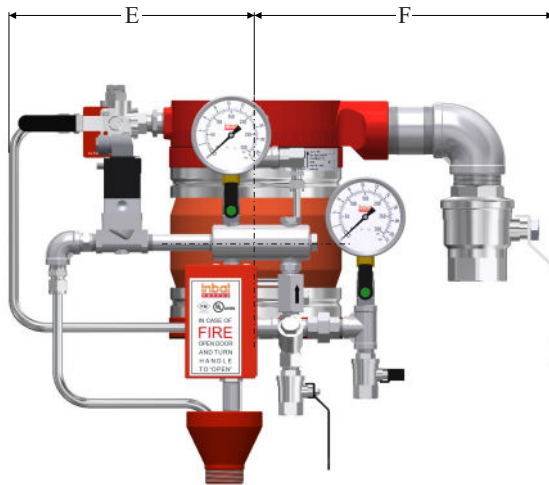
FM & UL Trim Overall Dimensions & Weights - Vertical Installation



v a l v e s

FM Approved
UL Listed

Inbal Deluge Valve, Electric Actuation, Remote Resetting, Standard Material Control Trim



SIZE inches / mm	A	B	C	E	F	G	L	Weight* lbs / kg
3	10 ¾	7 ½	13	11 ¾	13 ¼	3 ¼	8 ⅞	56.5 lbs
80	275	190	330	295	335	80	207	25.5 kg
4	11 ¼	7 ½	13	12 ¼	14 ½	3 ¾	10 ⅞	68.5 lbs
100	290	190	330	345	365	95	257	31.0 kg
6	12 ½	7 ½	13	13 ¼	15	4 ¾	11 ¾	56.5 lbs
150	315	190	330	340	375	120	298	25.5 kg
8	13 ½	7 ½	13	14 ¼	15 ¾	6	14 ¼	139.0 lbs
200	345	190	330	365	400	155	362	63.0 kg
10	14 ½	7 ½	13	15 ¼	18 ¼	7	16 ⅞	189.0 lbs
250	370	190	330	385	460	175	410	85.5 kg
12	15 ¼	7 ½	13	16 ¼	19 ¼	8 ¾	19 ⅞	266.0 lbs
300	385	190	330	410	490	225	503	120.5 kg

* Refer to Standard Material Valve.

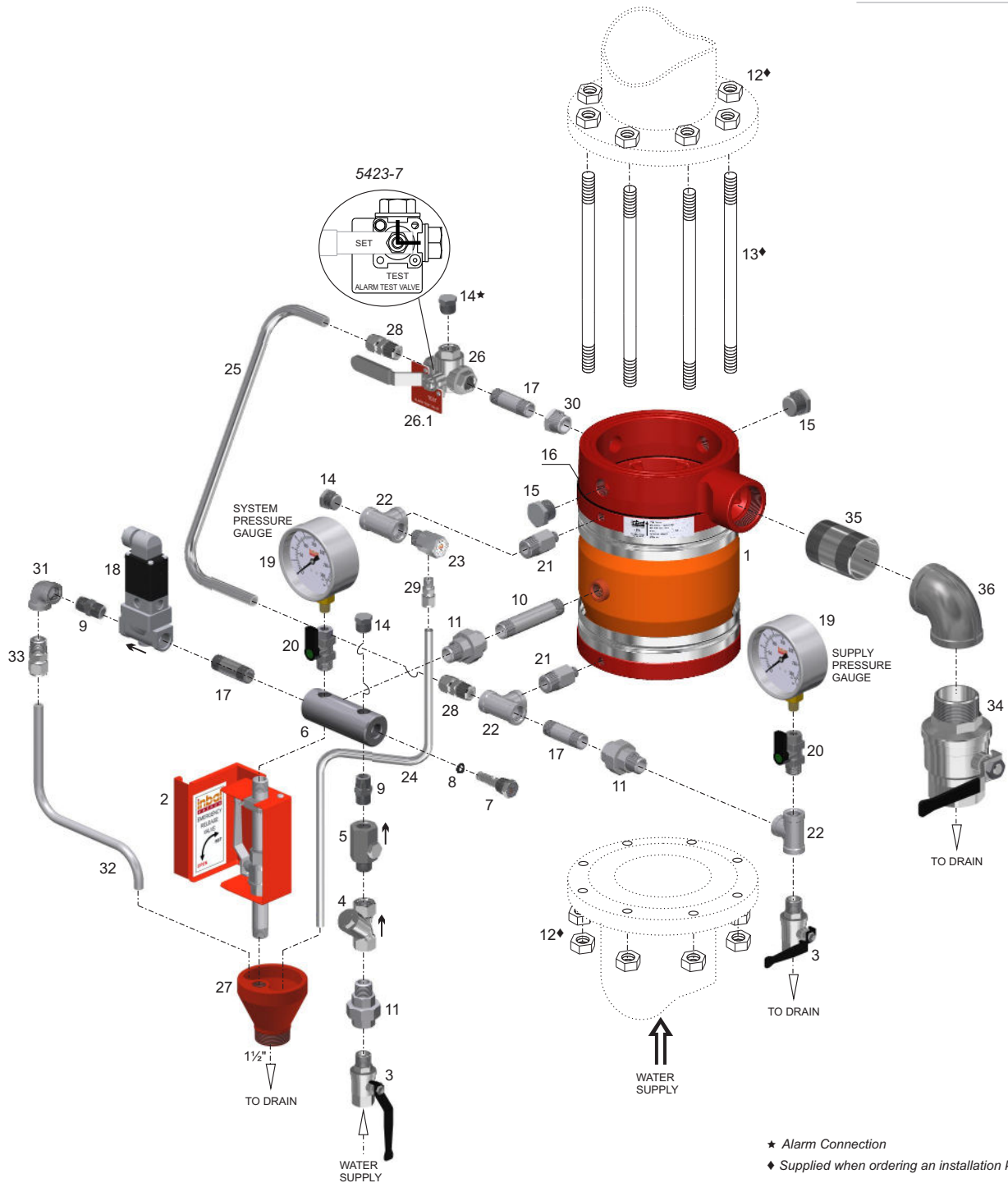
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FM & UL Trim Chart - Vertical Installation

Inbal Deluge Valve, Electric Actuation, Remote Resetting, Standard Material Control Trim

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- The bill of materials is available in the next page.
- The alarm piping should be connected to the common port of the Alarm Test Valve. A Water Motor Alarm requires a 3/4" (20 mm) pipe. For an electric Alarm Pressure Switch - a 1/2" (15 mm) pipe can be used. When a Water Motor Alarm is used, a strainer is required.
- The control trim is supplied fully preassembled.
- When the control trim is ordered in loose components form, the Inbal Deluge Valve must be trimmed as shown. Any deviation may affect proper operation.

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FM & UL Trim Chart - Vertical Installation



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Inbal Deluge Valve, Electric Actuation, Remote Resetting, Standard Material Control Trim

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Item	Description	Qty	Material	Cat. No.
1	Inbal Automatic Water Control Valve model 799DX	1	See bulletin F02-03	1799DX01DDSSSS
2	Emergency Release Station model 393-01	1	See bulletin F34-04	239302001002
3	2-Way Ball Valve 1/2", series 351	2	See bulletin F40-08	235102008000
4	Y-Pattern Strainer 1/2", series 31	1	See bulletin F40-03	231006008001
5	Check Valve 1/2", series 371	1	See bulletin F40-12	137102008000
6	Manifold	1	Brass, Ni-Cr plated	322702016000
7	Restriction Orifice model 12-07-02	1	Brass, Ni-Cr plated	312702009001
8	O-Ring 2-109	1	Buna-N	270621090000
9	Hex. Nipple 1/2"	2	St.St.304	212206008001
10	Nipple 1/2", L=4" (102 mm)	1	St.St.304	212206018001
11	Union 1/2" M x F	3	St.St.304	210406008006
12	Nut	(a)	Galvanized Steel	22420101DDDD
13	Stud Bolt	(a)	Galvanized Steel	226001RRRRRR
14	Plug 1/2"	3	St.St.304	212106008000
15	Plug 3/4"	2	See note (b)	212106012000
16	Gasket. Thickness: 1/16" (1.6 mm)	1	Fiber	270709DDDD000
17	Nipple 1/2", L=2 1/2" (63 mm)	3	St.St.304	212206016001
18	*Solenoid Valve model 157-93/157-42	1		215702093001
19	Pressure Gauge	2	See bulletin F40-15	213106041002
20	Pressure Gauge Valve 1/2" x 1/4"	2	See bulletin F40-09	235302008001
21	Red. Nipple 1/2" x 1/4", L=2" (51 mm)	2	St.St.304	212306012001
22	Tee 1/2"	3	St.St.304	210106008001
23	Automatic Drain Valve model 373-08	1	See bulletin F40-13	137302008000
24	Drain Tube 3/8" OD	1	St.St.316	994006060000
25	Alarm Test Tube 1/2" OD	1	St.St.316	994006008000
26	Alarm Test Valve model 347-08-02	1	See bulletin F40-06	234706008000
26.1	Label	1	P.V.C.	
27	Drain Cup	1	Steel, Epoxy coated	397000000000
28	Twin Ferrules Fitting 1/2" NPT x 1/2" OD	2	Brass, Ni-Cr plated	318902007000
29	Tube Fitting 1/4" NPT x 3/8" OD	1	Brass, Ni-Cr plated	314002003000
30	Bushing 3/4" M x 1/2" F	1	See note (b)	211006002001
31	Elbow 1/2"	1	St.St.304	210006008001
32	Drain Tube 1/2" OD	1	St.St.316	994006008000
33	Tube Fitting 1/2" NPT x 1/2" OD	1	Brass, Ni-Cr plated	314002008000
34 (c)	2-Way Ball Valve 1 1/2", series 351	1	See bulletin F40-08	235102040000
(d)	2-Way Ball Valve 2", series 351	1	See bulletin F40-08	235102050000
35 (c)	Nipple 1 1/2", L=3 1/4" (83 mm)	1	St.St.304	212206001000
(d)	Nipple 2", L=3 1/4" (83 mm)	1	St.St.304	212206009001
36 (c)	Elbow 1 1/2"	1	See note (b)	210006024001
(d)	Elbow 2"	1	See note (b)	210006032001

Notes: (a) Supplied when ordering an installation kit. Quantity and thread standard for Stud Bolts and Nuts may vary, depending on Inbal Valve size and flange standard.
(b) Brass, Ni-Cr plated or Stainless Steel AISI 304.

(c) For 3" (80 mm) Inbal Valves.
(d) For 4", 6", 8", 10" & 12" (100; 150; 200; 250 & 300 mm) Inbal Valves.
* UL listed - 157-42.
FM Approval - 157-93.