

Model 799DX-04C01

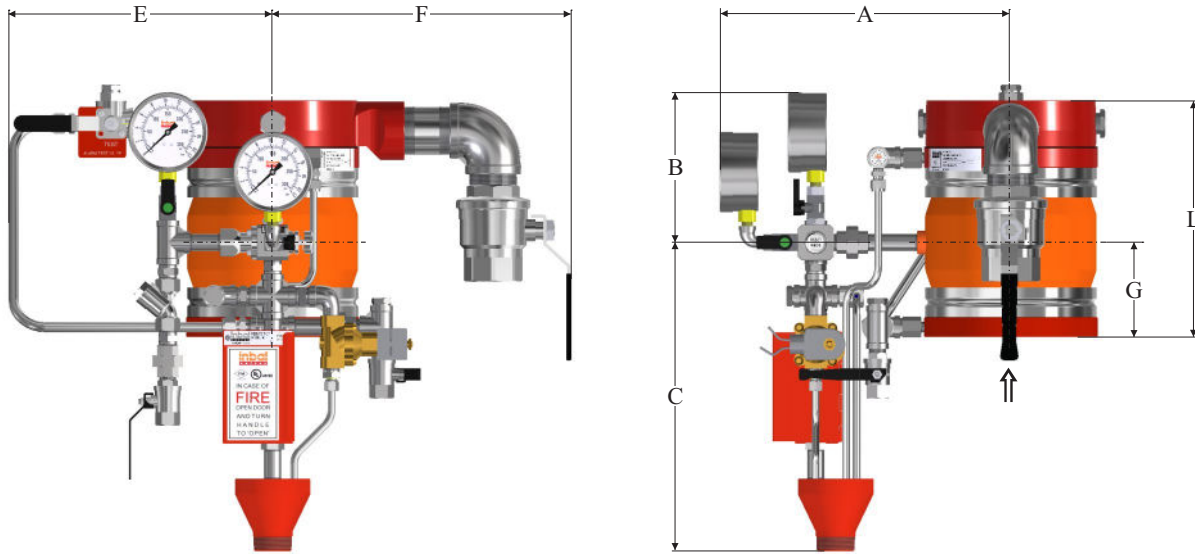
FM Trim Overall Dimensions & Weights - Vertical Installation

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



valves

FM Approved



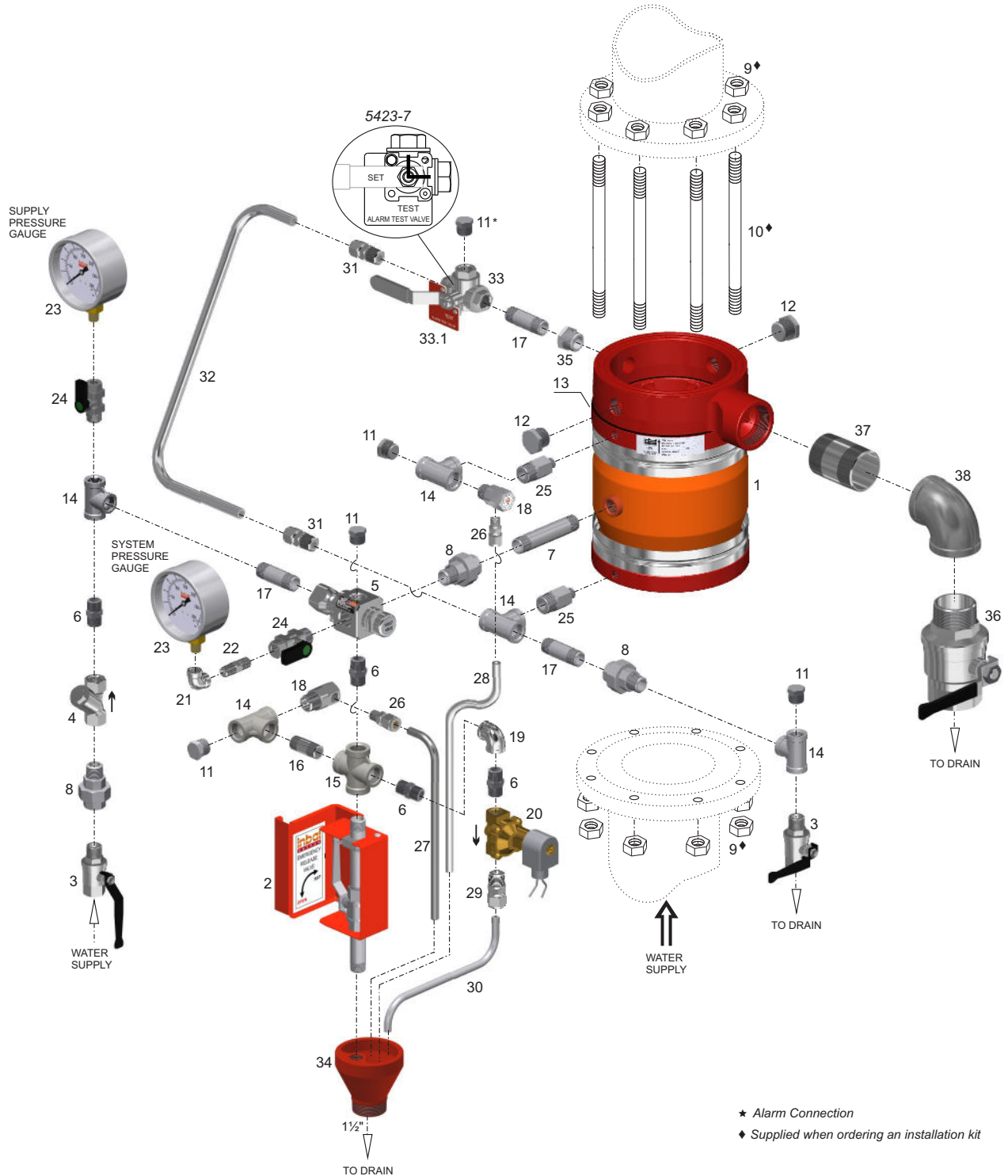
SIZE inches / mm	A	B	C	E	F	G	L	Weight* lbs / kg
3	14 ¾	7 ⅞	15 ⅜	11 ¾	13 ¼	3 ¼	8 ⅞	59.0 lbs 27.0 kg
80	375	200	390	295	335	80	207	27.0 kg
4	15 ¼	7 ⅞	15 ⅜	12 ¼	14 ½	3 ¾	10 ⅞	71.0 lbs 32.5 kg
100	388	200	390	310	365	95	257	32.5 kg
6	16 ½	7 ⅞	15 ⅜	13 ¼	15	4 ¾	11 ¾	95.0 lbs 43.5 kg
150	418	200	390	340	375	120	298	43.5 kg
8	17 ⅞	7 ⅞	15 ⅜	14 ¼	15 ¾	6	14 ¼	141.0 lbs 64.5 kg
200	447	200	390	365	400	155	362	64.5 kg
10	18 ½	7 ⅞	15 ⅜	15 ¼	18 ¼	7	16 ⅞	190.0 lbs 87.0 kg
250	472	200	390	385	460	175	410	87.0 kg
12	19 ¼	7 ⅞	15 ⅜	16 ¼	19 ¼	8 ¾	19 ⅞	266.0 lbs 122.0 kg
300	488	200	390	410	490	225	503	122.0 kg

* Refer to Standard Material Valve.

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FM Trim Chart - Vertical Installation

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



- 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 Trim Chart - Vertical Installation



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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	F.R.P. model 375-08	1	See bulletin F33-01	137502008000
6	Hex. Nipple 1/2"	4	St.St.304	212206008001
7	Nipple 1/2", L=4" (102 mm)	1	St.St.304	212206018001
8	Union 1/2" M x F	3	St.St.304	210406008006
9	Nut	(a)	Galvanized Steel	22420101DDDD
10	Stud Bolt	(a)	Galvanized Steel	226001RRRRRR
11	Plug 1/2"	5	St.St.304	212106008000
12	Plug 3/4"	2	See note (b)	212106012000
13	Gasket. Thickness: 1/16" (1.6 mm)	1	Fiber	270709DDDD000
14	Tee 1/2"	5	St.St.304	210106008001
15	Cross 1/2"	1	St.St.304	211106008001
16	Nipple 1/2", L=2" (51 mm)	1	St.St.304	212206003000
17	Nipple 1/2", L=2 1/2" (63 mm)	3	St.St.304	212206016001
18	Automatic Drain Valve model 373-08	2	See bulletin F40-13	137302008000
19	Elbow 1/2"	1	St.St.304	210006008001
20	Solenoid valve series 157	1		
21	Elbow 1/4"	1	St.St.304	210006004001
22	Hex. Nipple 1/4" L=1 11/16" (43 mm)	1	St.St.304	212206004003
23	Pressure Gauge	2	See bulletin F40-15	213106041002
24	Pressure Gauge Valve 1/2" x 1/4"	2	See bulletin F40-09	235302008001
25 (e)	Red. Nipple 1/2" x 1/4", L=2" (51 mm)	2	St.St.304	212306012001
(f)	Red. Nipple 1/2" x 1/4", L=2.4" (61 mm)	2	St.St.304	
26	Tube Fitting 1/4"NPT x 3/8"OD	2	Brass, Ni-Cr plated	314002003000
27	Drain Tube 3/8"OD	1	St.St.316	994006060000
28	Drain Tube 3/8"OD	1	St.St.316	994006060000
29	Tube Fitting 1/2"NPT x 3/8"OD	1	Brass, Ni-Cr plated	314002007000
30	Drain Tube 3/8"OD	1	St.St.316	994006060000
31	Twin Ferrules Fitting 1/2"NPT x 1/2"OD	2	Brass, Ni-Cr plated	318902007000
32	Alarm Test Tube 1/2"OD	1	St.St.316	994006008000
33	Alarm Test Valve model 347-08-02	1	See bulletin F40-06	234706008000
33.1	Label	1	P.V.C.	
34	Drain Cup	1	Steel, Epoxy coated	397000000000
35	Bushing 3/4"M x 1/2"F	1	See note (b)	211006002001
36 (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
37 (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
38 (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.
 (e) For 3"; 4" & 6" (80 ;100 & 150 mm) Inbal Valves.
 (f) For 8"; 10" & 12" (200; 250 & 300 mm) Inbal Valves.