

Model 799DG-04C01

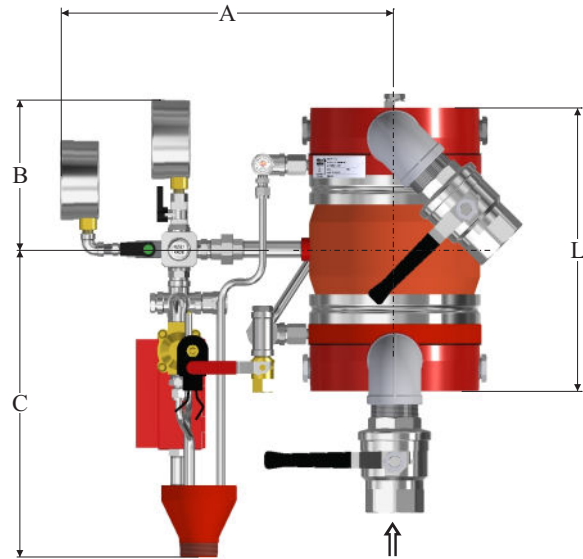
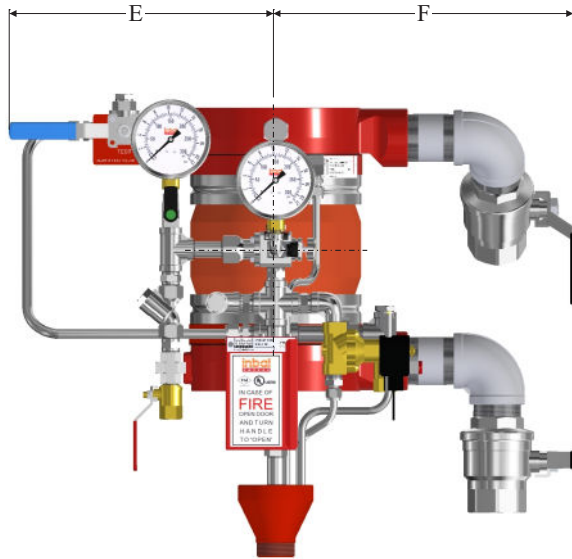
FM Trim Overall Dimensions & Weights - Vertical Installation

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



valves

FM Approved



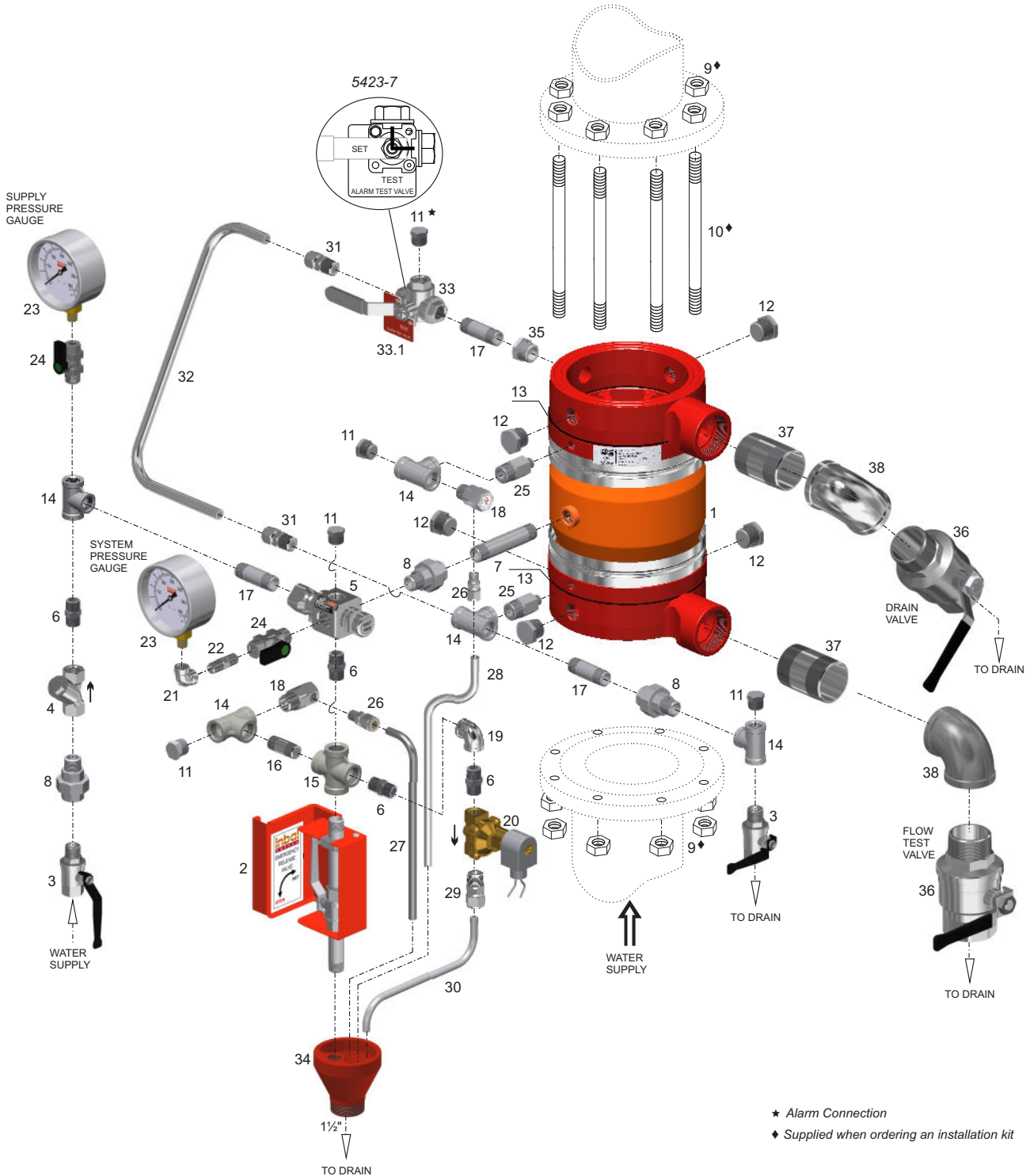
SIZE inches / mm	A	B	C	E	F	L	Weight* lbs / kg
3	14 3/4	7 7/8	15 3/8	11 3/4	13 1/4	10	65.5 lbs 30.0 kg
80	375	200	390	295	335	256	30.0 kg
4	15 1/4	7 7/8	15 3/8	12 1/4	13 3/4	12 7/8	96.0 lbs 44.0 kg
100	388	200	390	310	350	327	44.0 kg
6	16 1/2	7 7/8	15 3/8	13 1/4	14 3/4	14	122.0 lbs 56.0 kg
150	420	200	390	340	375	357	56.0 kg
8	17 5/8	7 7/8	15 3/8	14 1/4	15	16 1/2	185.0 lbs 85.0 kg
200	447	200	390	365	380	421	85.0 kg
10	18 1/2	7 7/8	15 3/8	15 1/4	17	18 1/2	281.0 lbs 129.0 kg
250	472	200	390	385	430	469	129.0 kg
12	19 1/4	7 7/8	15 3/8	16 1/4	18	22 1/8	357.5 lbs 164.0 kg
300	488	200	390	410	460	562	164.0 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 799DG	1	See bulletin F02-02	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"	5	See note (b)	212106012000
13	Gasket. Thickness: 1/16" (1.6 mm)	2	Fiber	270709DDDD00
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	Red. Nipple 1/2" x 1/4", L=2" (51 mm)	2	St.St.304	212306012001
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	2	See bulletin F40-08	235102040000
(d)	2-Way Ball Valve 2", series 351	2	See bulletin F40-08	235102050000
37 (c)	Nipple 1 1/2", L=3 1/4" (83 mm)	2	St.St.304	212206001000
(d)	Nipple 2", L=3 1/4" (83 mm)	2	St.St.304	212206009001
38 (c)	Elbow 1 1/2"	2	See note (b)	210006024001
(d)	Elbow 2"	2	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.