

Model 799DG-04B01

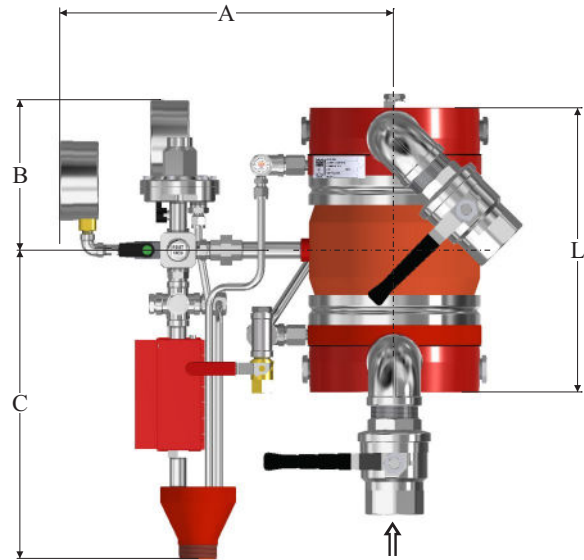
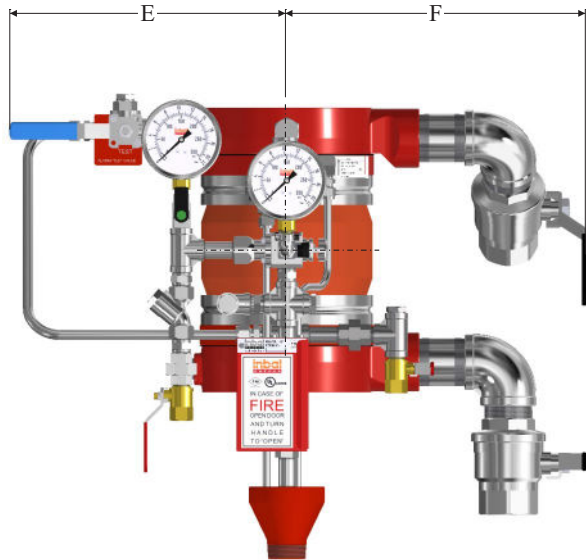
FM Trim Overall Dimensions & Weights - Vertical Installation

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



v a l v e s

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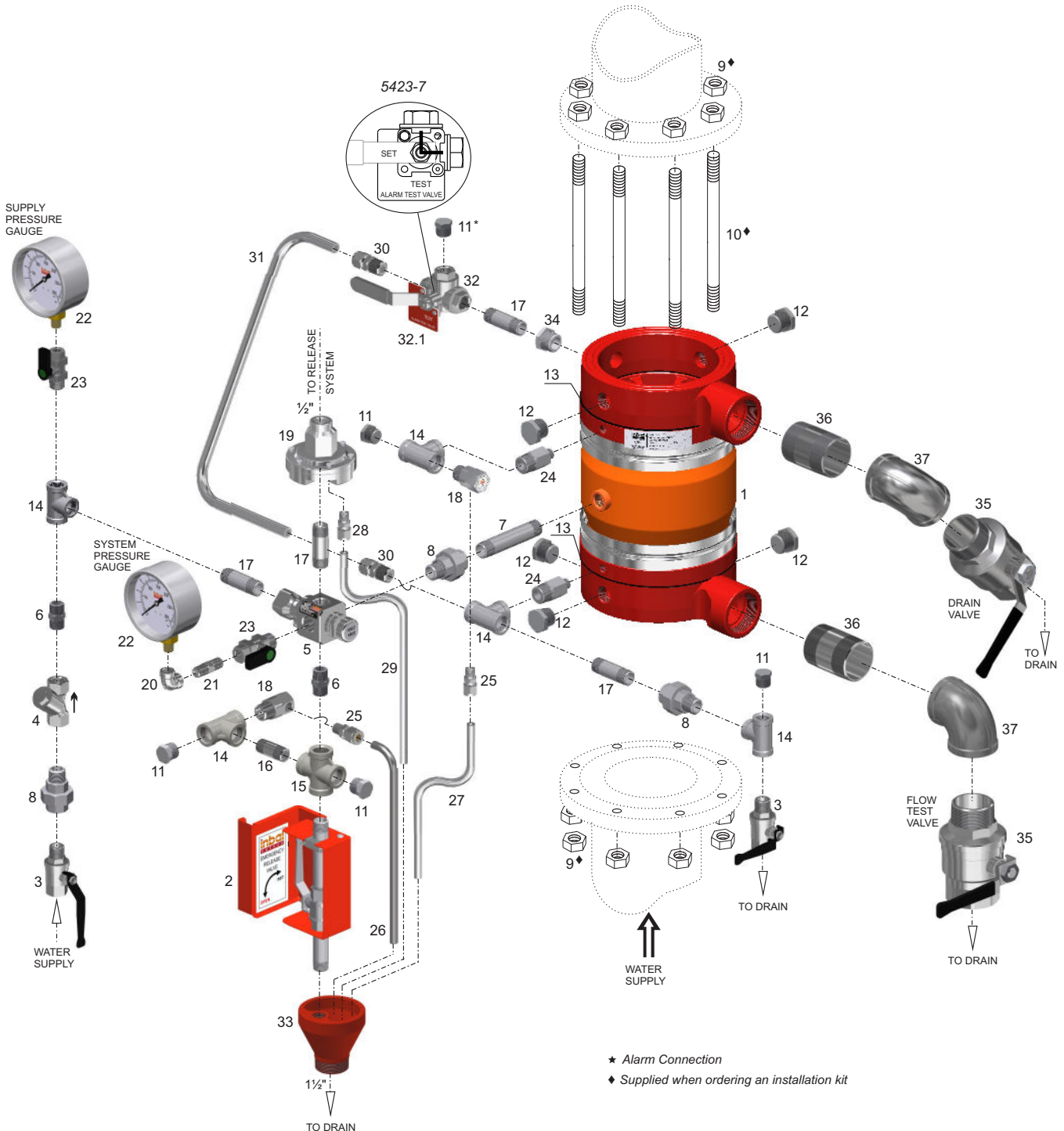
SIZE inches / mm	A	B	C	E	F	L	Weight* lbs / kg
3	14 ¾	7 ⅞	15 ⅝	11 ¼	13 ¼	10	74.0 lbs 34.0 kg
80	375	200	390	295	335	256	34.0 kg
4	15 ¼	7 ⅞	15 ⅝	12 ¼	14 ½	12 ⅞	96.0 lbs 44.0 kg
100	388	200	390	310	365	327	44.0 kg
6	16 ½	7 ⅞	15 ⅝	13 ¼	15	14	120.0 lbs 55.0 kg
150	418	200	390	340	375	357	55.0 kg
8	17 ⅞	7 ⅞	15 ⅝	14 ¼	15 ¾	16 ½	174.5 lbs 80.0 kg
200	447	200	390	365	400	421	80.0 kg
10	18 ½	7 ⅞	15 ⅝	15 ¼	18 ¼	18 ½	238.0 lbs 109.0 kg
250	472	200	390	385	460	469	109.0 kg
12	19 ¼	7 ⅞	15 ⅝	16 ¼	19 ¼	22 ⅞	318.0 lbs 146.0 kg
300	488	200	390	410	490	562	146.0 kg

* Refer to Standard Material Valve.

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FM Trim Chart - Vertical Installation

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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 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	1799DG01DDSSSS
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"	2	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	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)	4	St.St.304	212206016001
18	Automatic Drain Valve model 373-08	2	See bulletin F40-13	137302008000
19	Pneumatic Actuator model 377-08	1	See Bulletin F32-01	137702008000PH
20	Elbow 1/4"	1	St.St.304	210006004001
21	Hex. Nipple 1/4", L=1 1/16" (43 mm)	1	St.St.304	212206004003
22	Pressure Gauge	2	See bulletin F40-15	213106041002
23	Pressure Gauge Valve 1/2" x 1/4"	2	See bulletin F40-09	235302008001
24	Red. Nipple 1/2" x 1/4", L=2" (51 mm)	2	St.St.304	212306012001
25	Tube Fitting 1/4"NPT x 3/8"OD	2	Brass, Ni-Cr plated	314002003000
26	Drain Tube 3/8" OD	1	St.St.316	994006060000
27	Drain Tube 3/8" OD	1	St.St.316	994006060000
28	Tube Fitting 1/2"NPT x 3/8"OD	1	Brass, Ni-Cr plated	314002007000
29	Drain Tube 3/8" OD	1	St.St.316	994006060000
30	Twin Ferrules Fitting 1/2"NPT x 1/2"OD	2	Brass, Ni-Cr plated	318902007000
31	Alarm Test Tube 1/2" OD	1	St.St.316	994006008000
32	Alarm Test Valve model 347-08-02	1	See bulletin F40-06	234706008000
32.1	Label	1	P.V.C.	
33	Drain Cup	1	Steel, Epoxy coated	397000000000
34	Bushing 3/4"M x 1/2"F	1	See note (b)	211006002001
35 (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
36 (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
37 (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.