

AGENT STORAGE CONTAINERS WITH FK-5-1-12

DESCRIPTION

Fike Clean Agent Containers are used in fire extinguishing systems to store the Clean Agent until a fire develops and the agent must be released. The Clean Agent is retained in the container by an Impulse Valve assembly which contains a fast-acting rupture disc. The disc will be ruptured, and the Clean Agent released, through the operation of an actuator by an electric signal that is automatically, manually or pneumatically controlled.

Fike Clean Agent Containers have passed extensive testing by Factory Mutual and Underwriters Laboratory and are used in installations where 3 to 1045 pounds (1.5 to 474 kg) of FK-5-1-12 agent is required. Clean Agent containers can be filled in 1 pound or 0.5 kg increments to their maximum capacity.



SPECIFICATIONS

Fill Range	30 to 70 lbs/ft ³ (481 to 1121 kg/m ³)
Fill Increments	1.0 lb / 0.5 kg
Pressurization Level	500 psig at 70°F (34.5 bar at 21°C)
Temperature Limitation	32°F (0°C) - min, 130°F (54.4°C) - max

Note: If container temperatures exceed 130°F (54.4°C), valve may open automatically, this also fulfills the pressure relief valve requirements in accordance with DOT regulations.

APPROVALS:

- UL Listed
- ULC Listed
- FM Approved

Container Construction	Carbon Steel Alloys
Paint Options	Baked enamel finish white (default) or red
Container Ratings	DOT-4BW500 / TC-4BW534
Actuation Methods	Electric / Pneumatic / Manual





ORDERING INFORMATION

Container		Fill Range		Tare Weight	Dimensions (approximate)		Valve Size
Size	P/N	Minimum	Maximum		Diameter	Height	
lb. (L)			lbs. (kg)	lbs. (kg)	lbs. (kg)	in. (mm)	in. (mm)
5 (2)	70-357	3 (1.0)	5 (2.0)	6.2 (2.8)	4.15 (105.4)	12.59 (320)	1 (25)
10 (4)	70-358	5 (2.5)	10 (4.5)	12.5 (5.7)	4.15 (105.4)	23.63 (600)	1 (25)
20 (8.5)	70-359	9 (4.5)	21 (9.5)	20.9 (9.5)	7.0 (178)	21.50 (457)	1 (25)
35 (15)	70-360	17 (7.5)	38 (17.0)	31.1 (14.1)	7.0 (178)	32.50 (826)	1 (25)
60 (27)	70-361	30 (13.5)	68 (30.5)	52.0 (23.6)	10.75 (273)	27.00 (686)	1 (25)
100 (44)	70-362	47 (21.5)	108 (49.0)	74.1 (33.6)	10.75 (273)	38.75 (984)	1 (25)
150 (61)	70-363	65 (29.5)	150 (68.0)	130.1 (59.0)	20.0 (508)	18.75 (476)	3 (80)
215 (88)	70-364	93 (42.5)	216 (98.0)	157 (71.2)	20.0 (508)	28.56 (725)	3 (80)
375 (153)	70-365	163 (74.0)	378 (171.5)	224 (101.6)	20.0 (508)	42.50 (1080)	3 (80)
650 (267)	70-366	283 (128.5)	660 (299.0)	384.9 (174.6)	24.0 (610)	48.69 (1237)	3 (80)
1000 (423)	70-367	449 (203.5)	1045 (474.0)	539.9 (244.9)	24.0 (610)	70.00 (1778)	3 (80)

FLOOR LOADING / AREA BY CONTAINER SIZE											
Container Size		Total Container Weight *		Container Floor Area		Container Floor Loading		Container Floor Area w/Plate **		Container Floor Loading w/Plate ***	
lbs	L	lbs.	kg	ft ²	m ²	lbs/ft ²	kg/m ²	ft ²	m ²	lbs/ft ²	kg/m ²
5	2	11	5	0.09	0.009	119	582	4.0	0.36	8	42
10	4	23	10	0.09	0.009	240	1169	4.0	0.36	11	57
20	8.5	42	19	0.27	0.02	157	766	4.0	0.36	16	81
35	15	69	31	0.27	0.02	258	1262	4.0	0.36	23	115
60	27	120	54	0.63	0.06	190	930	4.0	0.36	36	180
100	44	182	83	0.63	0.06	289	1410	4.0	0.36	51	258
150	61	280	127	2.18	0.20	128	627	4.0	0.36	76	381
215	88	373	169	2.18	0.20	171	835	4.0	0.36	99	498
375	153	602	273	2.18	0.20	276	1347	4.0	0.36	156	787
650	267	1045	474	3.14	0.29	333	1624	4.0	0.36	267	1345
1000	423	1585	719	3.14	0.29	504	2463	4.0	0.36	402	2025

Notes:

*) Total container weight is based on container tare weight + maximum fill weight

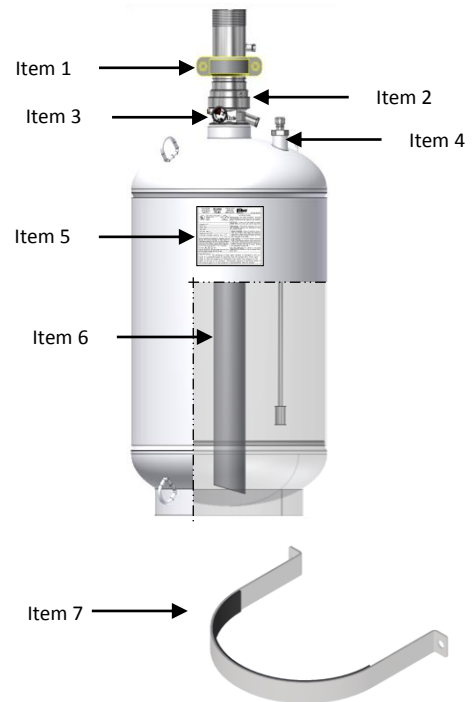
**) Plate size = ¼" x 2" x 2" (6.4mm x 0.6m x 0.6m)

***) Total container weight + 22.5 lbs (10.2 kg) added for plate used to calculate container with plate floor loading



ITEMS SUPPLIED WITH CONTAINER ASSEMBLY

Item Number	Description	Data Sheet
1	Victaulic Coupling & Nipple	IV.1.30.01
2	Impulse Valve	IV.1.14.01
3	Pressure Gauge	IV.1.29.01
4	Liquid Level Indicator (LLi)	C.1.20.01
5	Nameplate (see note 2)	n/a
6	Siphon Tube (see note 3)	n/a
7	Mounting Straps & Brackets	IV.1.18.01



Notes:

1) 100 thru 1000 lb. (44 thru 423 L) containers are equipped with a LLi Boss.

2) Fike nameplate provides the information that is specific to each container: Assembly and serial number of the container, weight information: tare, gross and agent and installation, operation and safety information. All containers filled either by the factory or by an Approved Initial Fill Station are provided with a name plate bearing the UL & FM markings.

3) Fike Clean Agent containers are equipped with a siphon tube. All containers with siphon tubes can be mounted upright.

4) 5lb and 10lb containers are white ONLY.