

Kidde Fire Systems Cylinder Component Datasheet



Effective: November 2023
K-85-2070 Rev AD

Cylinder and Valve Assembly Dimensions

ECS-500™ SYSTEM

Part Number	Size		Fill Range		Empty Weight		Gross Weight			With LLI	Height		Diameter		Volume		
	lbs.	L	lb.	kg	lb.	kg	Min. Fill	Max. Fill			in.	cm	in.	cm	ft. ³	m ³	
45-550010-X01	10	5	6 to 11	2.7 to 5.0	25	11	31	14.1	36	16.3	No	17.3	44	7.1	18	0.17	0.005
45-550020-X01	20	8	12 to 23	5.4 to 10.4	31	14	43	19.5	54	24.5	No	25.0	64	7.1	18	0.29	0.008
45-550040-X01	40	16	20 to 40	9.1 to 18.1	38	17	58	26.3	78	35.4	No	26.8	68	9.0	23	0.57	0.016
45-550070-X01	70	28	35 to 70	15.9 to 31.8	52	24	87	39.5	122	59.9	No	38.8	99	9.0	23	1.00	0.028
45-550121-X01	125	51	63 to 125	28.6 to 56.7	98	45	161	73.0	223	101.2	Yes	35.9	92	12.8	33	1.79	0.051
45-550201-X01	200	81	100 to 200	45.4 to 90.7	133	60	233	105.7	333	151.0	Yes	52.8	134	12.8	33	2.86	0.081
45-550351-X01	350	142	175 to 350	79.4 to 158.8	203	92	378	171.5	553	249.9	Yes	58.4	149	16.0	41	5.00	0.141
45-550451-X01	450	182	260 to 350	117.9 to 204.1	269	122	529	240.0	719	326.0	Yes	70.8	180	16.0	41	6.43	0.182
45-550601-X01	600	243	300 to 600	136.1 to 272.1	362	165	667	302.5	967	436.4	Yes	58.0	147	22.0	56	8.68	0.246
45-550901-X01	900	368	455 to 910	206.3 to 412.7	505	230	960	435.5	1415	641.5	Yes	70.0	178	24.0	61	13.00	0.368
45-551101-X01*	1100	445	550 to 1099	249.5 to 498.5	653	296.2	1203	545.7	1752	794.7	Yes	59.5	151	30.0	76	15.70	0.444

*Not approved for Marine use.
-901 denotes filled with Fluoro-K™ Fire Suppression Clean Agent;
-001 denotes filled with 3M™ Novec™ 1230 Fire Protection Fluid

MANUALS

Manual	P/N
Kidde Fire Systems ECS-500™ System	06-237585-001
Kidde Fire Systems ECS-500™ Marine System	06-237589-001

ADS™ SYSTEM FOR USE WITH FLUOROKETONE FIRE SUPPRESSION AGENTS

Part Number	Size		Fill Range		Empty Weight		Gross Weight			With LLI	Height		Diameter		Volume		
	lbs.	L	lb.	kg	lb.	kg	Min. Fill	Max. Fill			in.	cm	in.	cm	ft. ³	m ³	
45-500201-X01	200	81	100 to 200	45.4 to 90.7	136	62	236	107	336	153	Yes	52.8	134	12.8	33	2.89	0.082
45-500351-X01	350	142	175 to 350	79.4 to 158.8	206	93	381	556	172	252	Yes	58.4	149	16.0	41	5.07	0.143
45-500451-X01	450	182	260 to 450	117.9 to 204.1	269	122	529	240	719	326	Yes	70.8	180	16.0	41	6.43	0.182
45-500601-X01	600	243	300 to 600	136.1 to 272.2	370	168	670	970	304	440	Yes	58.0	147	22.0	56	8.68	0.246
45-500901-X01	900	368	455 to 910	206.4 to 412.8	505	230	960	436	1415	642	Yes	70.0	178	24.0	61	13.00	0.368

-901 denotes filled with Fluoro-K™ Fire Suppression Clean Agent;
-001 denotes filled with 3M™ Novec™ 1230 Fire Protection Fluid

MANUALS

Manual	P/N
Kidde Fire Systems ADS™ System for use with Fluoroketone Fire Suppression Agents	06-237256-001
Kidde Fire Systems ADS™ Marine System for use with Fluoroketone Fire Suppression Agents	06-237257-001

ADS™ SYSTEM WITH HFC-227EA AGENT

Part Number	Size		Fill Range		Empty Weight		Gross Weight				With LLI	Height		Diameter		Volume	
	lbs.	L	lb.	kg	lb.	kg	Min. Fill	Max. Fill				in.	cm.	in.	cm.	ft. ³	m ³
90-100221-001	200	81	115 to 225	52.0 to 102.0	136	62	251	361	114	164	Yes	52.8	134	12.8	33	2.89	0.082
90-100391-001	350	142	200 to 395	91.0 to 179.0	206	93	406	601	184	272	Yes	58.4	149	16.0	41	5.07	0.143
90-100671-001	600	243	347 to 675	157.5 to 306.2	370	168	717	1045	326	474	Yes	58.5	145	22.0	56	8.68	0.246
90-101011-001	900	368	520 to 1010	235.9 to 458.1	505	230	1025	1515	466	688	Yes	70.0	178	24.0	61	13.00	0.368

MANUALS

Manual	P/N
Kidde Fire Systems ADS™ System with HFC-227ea Agent	06-236068-001
Kidde Fire Systems ADS™ Marine System with HFC-227ea Agent	06-236595-001

ECS™ 360 SYSTEM WITH HFC-227EA AGENT

Part Number	Size		Fill Range		Empty Weight		Gross Weight				With LLI	Height		Diameter		Volume	
	lbs.	L	lb.	kg	lb.	kg	Min. Fill	Max. Fill				in.	cm.	in.	cm.	ft. ³	m ³
90-100010-001	10	5	5 to 10	3 to 5	25	11	30	14	35	16	No	17.3	44	7.0	18	0.17	0.005
90-100020-001	20	8	9 to 20	4 to 9	31	14	40	18	51	23	No	25.0	64	7.0	18	0.29	0.008
90-100040-001	40	16	17 to 40	8 to 18	38	17	55	25	78	35	No	26.8	68	9.0	23	0.57	0.016
90-100070-001	70	28	30 to 70	14 to 32	52	24	82	38	123	56	No	38.8	99	9.0	23	1.00	0.028
90-100121-001	125	51	54 to 125	25 to 57	98	45	152	69	223	101	Yes	35.9	92	12.8	33	1.79	0.051
90-100201-001	200	81	86 to 200	39 to 91	141	64	227	103	343	155	Yes	50.4	128	13.6	35	2.86	0.081
90-100201-101	200	81	86 to 200	39 to 91	133	60	219	100	333	151	Yes	52.8	134	12.8	33	2.86	0.081
90-100351-001	350	142	150 to 350	68 to 159	203	92	341	160	557	251	Yes	58.4	149	16.0	41	5.00	0.142
90-100601-001	600	243	258 to 600	114 to 272	337	153	595	270	937	426	Yes	56.7	145	22.0	56	8.57	0.242
90-100601-100	600	243	258 to 600	117 to 272	362	165	620	281	962	437	Yes	58.0	147	22.0	56	8.68	0.246
90-100901-001	900	368	390 to 900	178 to 408	505	230	895	407	1405	639	Yes	70.0	178	24.0	61	13.00	0.368

MANUALS

Manual	P/N
Kidde Fire Systems ECS™ 360 System with HFC-227ea Agent	06-236115-001
Kidde Fire Systems ECS™ 360 Marine System with HFC-227ea Agent	06-236225-001

ECS™ 360 SYSTEM FOR USE WITH FLUOROKETONE FIRE SUPPRESSION AGENTS

Note: Discontinued

Part Number	Size		Fill Range		Empty Weight		Gross Weight				With LLI	Height		Diameter		Volume	
	lbs.	L	lb.	kg	lb.	kg	Min. Fill	Max. Fill				in.	cm	in.	cm	ft. ³	m ³
45-100010-X01	10	5	6 to 11	2.7 to 5.0	25	11	31	14.1	36	16.3	No	17.3	44	7.1	18	0.167	0.0047
45-100020-X01	20	8	12 to 23	5.4 to 10.4	31	14	43	19.5	54	24.5	No	25.0	64	7.1	18	0.289	0.0081
45-100040-X01	40	16	20 to 40	9.1 to 18.1	38	17	58	26.3	78	35.4	No	26.8	68	9.0	23	0.572	0.0162
45-100070-X01	70	28	35 to 70	15.9 to 31.8	52	24	87	39.5	132	59.9	No	38.8	99	9.0	23	1.000	0.0283
45-100121-X01	125	51	63 to 125	28.6 to 56.7	98	45	161	73.0	223	101.2	Yes	35.9	92	12.8	33	1.788	0.0506
45-100125-X01	125	51	63 to 125	28.6 to 56.7	98	45	161	73.0	223	101.2	No	35.9	92	12.8	33	1.788	0.0506
45-100200-X01	200	81	100 to 200	45.4 to 90.7	133	60	233	105.7	333	151.0	No	52.8	134	12.8	33	2.859	0.0810
45-100201-X01	200	81	100 to 200	45.4 to 90.7	133	60	233	105.7	333	151.0	Yes	52.8	134	12.8	33	2.859	0.081
45-100350-X01	350	142	175 to 350	79.4 to 158.8	201	91	376	170.6	551	249.9	No	58.4	149	16.0	41	5.000	0.1416
45-100351-X01	350	142	175 to 350	79.4 to 158.8	203	92	378	171.5	551	249.9	Yes	58.4	149	16.0	41	5.000	0.1416
45-100600-X01	600	243	300 to 600	136.1 to 272.1	362	165	662	300.3	962	436.4	No	58.0	147	22.0	56	8.680	0.2460
45-100601-X01	600	243	300 to 600	136.1 to 272.1	362	165	667	302.5	962	436.4	Yes	58.0	147	22.0	56	8.680	0.2460
45-100900-X01	900	368	455 to 910	206.3 to 412.7	505	230	960	435.5	1415	641.8	No	70.0	178	24.0	61	13.00	0.3680
45-100901-X01	900	368	455 to 910	206.3 to 412.7	505	230	960	435.5	1415	641.5	Yes	70.0	178	24.0	61	13.00	0.3680

-901 denotes filled with Fluoro-K™ Fire Suppression Clean Agent;
 -001 denotes filled with 3M™ Novec™ 1230 Fire Protection Fluid

Note: Engineered Systems have a fill density range of 35 lb./ft.³ to 70 lb./ft.³

MANUALS

Manual	P/N
Kidde Fire Systems ECS™ 360 System for use with Fluoroketone Fire Suppression Agents	06-236553-001
Kidde Fire Systems ECS™ 360 Marine System for use with Fluoroketone Fire Suppression Agents	06-236559-001

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