

# Kidde ECS Fire Suppression System Component Description



Effective: June 2014

K-90-2070

## Cylinder Data

### FEATURES

- For Use with UL Listed, ULC Listed and FM Approved Systems
- RoHS Compliant

### MODULAR SYSTEMS CYLINDER DATA

Part Number	Fill Range		Empty Weight		Gross Weight				With LLI	Height		Diameter		Volume	
	lb.	kg	lb.	kg	Min. Fill	Max. Fill				in.	cm.	in.	cm.	ft. <sup>3</sup>	m <sup>3</sup>
90-100010-001	6 to 10	3 to 5	25	11	31	14	35	16	No	17.3	44	7.07	18	0.167	0.0047
90-100020-001	11 to 20	5 to 9	31	14	42	19	51	23	No	24.97	64	7.07	18	0.286	0.0081
90-100040-001	23 to 40	10 to 18	38	17	61	27	78	35	No	26.76	64	9	23	0.572	0.0162
90-100070-001	41 to 70	19 to 32	52	24	94	43	123	56	No	38.83	99	9	23	1	0.0283
90-100121-001	71 to 125	32 to 57	98	45	169	77	223	101	Yes	35.93	92	12.75	33	1.788	0.0506
90-100125-001	71 to 125	32 to 57	98	45	169	77	223	101	No	35.93	92	12.75	33	1.788	0.0506
90-100200-001	126 to 200	56 to 91	139	63	265	120	339	154	No	50.35	128	13.6	35	2.859	0.081
90-100201-001	126 to 200	57 to 91	141	64	267	121	341	155	Yes	50.35	128	13.6	35	2.859	0.081
90-100200-101	126 to 200	57 to 91	133	60	259	118	333	151	No	52.75	134	12.75	33	2.859	0.081
90-100201-101	126 to 200	57 to 91	133	60	259	118	333	151	Yes	52.75	134	12.75	33	2.859	0.081
90-100350-001	201 to 350	91 to 159	201	91	406	182	555	250	No	58.36	149	16	41	5	0.1416
90-100351-001	201 to 350	91 to 159	203	92	408	183	557	251	Yes	58.36	159	16	41	5	0.1416
90-100600-001	351 to 500	159 to 227	335	152	686	312	835	380	No	56.72	145	22	56	8.572	0.2427
90-100601-001	351 to 500	159 to 227	337	153	688	313	837	380	Yes	56.72	145	22	56	8.572	0.2427

**Note:** Modular balanced systems have a fill density range of 40 lb./cu.ft. to 58.3 lb./cu.ft.

## ENGINEERED SYSTEMS CYLINDER DATA

Part Number	Fill Range		Empty Weight		Gross Weight				With LLI	Height		Diameter		Volume	
	lb.	kg	lb.	kg	Min. Fill	Max. Fill				in.	cm.	in.	cm.	ft. <sup>3</sup>	m <sup>3</sup>
90-100010-001	5 to 10	3 to 5	25	11	30	14	35	16	No	17.3	44	7.07	18	0.167	0.0047
90-100020-001	9 to 20	4 to 9	31	14	40	18	51	23	No	24.97	64	7.07	18	0.286	0.0081
90-100040-001	17 to 40	8 to 18	38	17	55	25	78	35	No	26.76	68	9	23	0.572	0.0162
90-100070-001	30 to 70	14 to 32	52	24	82	38	123	56	No	38.83	99	9	23	1	0.0283
90-100121-001	54 to 125	25 to 57	98	45	152	69	223	101	Yes	35.93	92	12.75	33	1.788	0.0506
90-100125-001	54 to 125	25 to 57	98	45	152	69	223	101	No	35.93	92	12.75	33	1.788	0.0506
90-100200-001	86 to 200	39 to 91	139	63	225	102	341	154	No	50.35	128	13.6	35	2.859	0.081
90-100201-001	86 to 200	39 to 91	141	64	227	103	343	155	Yes	50.35	128	13.6	35	2.859	0.081
90-100200-101	86 to 200	39 to 91	133	60	219	100	333	151	No	52.75	134	12.75	33	2.859	0.081
90-100201-101	86 to 200	39 to 91	133	60	219	100	333	151	Yes	52.75	134	12.75	33	2.859	0.081
90-100350-001	150 to 350	68 to 159	201	91	351	159	555	250	No	58.36	149	16	41	5	0.1416
90-100351-001	150 to 350	68 to 159	203	92	341	160	557	251	Yes	58.36	149	16	41	5	0.1416
90-100600-001	258 to 600	114 to 272	335	152	593	270	935	425	No	56.72	145	22	56	8.572	0.2427
90-100601-001	258 to 600	114 to 272	337	153	595	270	937	426	Yes	56.72	145	22	56	8.572	0.2427
90-100600-100	258 to 600	117 to 272	362	165	620	281	962	437	No	58	147	22	56	8.68	0.246
90-100601-100	258 to 600	117 to 272	362	165	620	281	962	437	Yes	58	147	22	56	8.68	0.246
90-100900-001	390 to 900	178 to 408	505	230	895	407	1405	639	No	70	178	24	61	13	0.368
90-100901-001	390 to 900	178 to 408	505	230	895	407	1405	639	Yes	70	178	24	61	13	0.368

**Note:** Engineered systems have a fill density range of 30 lb./cu.ft. to 70 lb./cu.ft.

## COMPATIBILITY

Series	For Use With
Kidde ECS HFC-227ea	X

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