

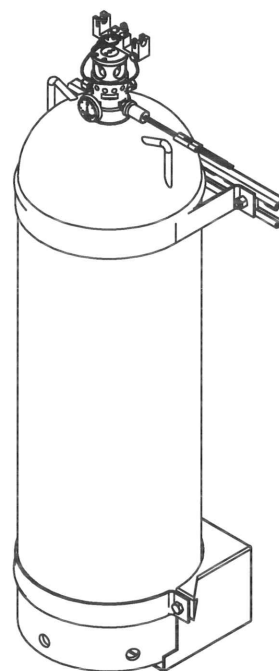
# SEA-FIRE DATA SHEET

510-229

MODEL RANGE - NFD1251 - NFD1800

### Mechanical Characteristics

- Agent: 3M™ Novec™ 1230
- Cylinder capacity: 2300 cu in, 37.7 l
- Operating pressure: 500 psig @ 70°F, 34.5 bar @ 21°C
- Pressure switch: electrical contact closed under pressure, opens upon discharge @ 385 psi, 26.5 bar
- Cylinder specification: EN 13322-1, TPED 99/36/EC
- Pressure gauge (visual indication of pressure in cylinder)
- System status indicator light included with each system (12 V DC standard)
- Instruction manual included with each system (123-330)
- Manifold: CDA 360 brass with corrosion inhibitor applied
- Manual cable activation: Bi-directional (required)
- Pressure relief assembly: 975 psi, 67.2 bar



MANUAL/  
AUTOMATIC

TARE WEIGHTS	LB	KG
MANUAL/AUTOMATIC	56.3	25.6

### Performance Characteristics

- Actuation temperature: 175°F, 79°C
- Discharge duration: less than 10 seconds
- Design concentration: 5.85%
- Safety factor: 30%
- Operating temperature range: 32°F-130°F, 0°C-54°C

### Installation Data

- Bracket assy: 130-009
- Mounting: Vertical only
- Reference 130-009 data sheet for appropriate mounting information

Installation Requirements	(IN) Width	(IN) Height	(IN) Depth	(MM) Width	(MM) Height	(MM) Depth
Manual/Automatic	16.5	39.9	11.4	419	1013	290

### Approvals

FM 3040508, CE

### Compliance To:

NFPA 2001, ABYC, Marine ISO-8846, UL2166, FM 5600, 46 CFR, PED 97/23/EC

### Options

- Pressure switch connector: Delphi (Weather-Pack) male connector, Deutsch (DTP) male connector, Delphi (Weather-Pack) assembly with wire leads
- System status indicator light: 12VDC std, 24VDC optional

### Shipping Data

- Shipping name: Compressed Gas, n.o.s. (nitrogen and flourinated keytone mixture), UN 1956
- Case pack qty: Single- must ship on pallet

MODEL	NFD 1275	NFD 1300	NFD 1325	NFD 1350	NFD 1375	NFD 1400	NFD 1425	NFD 1450	NFD 1475	NFD 1500	NFD 1525	NFD 1550	NFD 1575	NFD 1600	NFD 1625	NFD 1650	NFD 1675	NFD 1700	NFD 1725	NFD 1750	NFD 1775	NFD 1800
(Lb) Agent Wgt	68.47	69.81	71.15	72.50	73.84	75.18	76.52	77.87	79.21	81.03	81.89	83.24	84.58	85.92	87.26	88.61	89.95	91.29	92.63	93.98	95.32	96.66
(Kg) Agent Wgt	31.12	31.73	32.34	32.95	33.56	34.17	34.78	35.40	36.00	36.83	37.22	37.84	38.45	39.05	39.66	40.28	40.89	41.50	42.10	42.72	43.33	43.94
(Lb) Filled Wgt No Bkt	126.13	127.47	129.41	130.16	131.49	132.83	134.17	135.52	136.86	138.68	139.54	140.88	142.22	143.56	144.90	146.25	147.59	148.92	150.26	151.61	152.95	154.29
(Kg) Filled Wgt No Bkt	57.33	57.94	58.82	59.16	59.77	60.38	60.99	61.60	62.21	63.04	63.43	64.04	64.65	65.25	65.86	66.48	67.09	67.69	68.30	68.91	69.52	70.13
(Lb) Inst Wgt W/ Bkt	137.73	139.07	141.01	141.76	143.09	144.43	145.77	147.12	148.46	150.28	151.14	152.48	153.82	155.16	156.50	157.85	159.19	160.52	161.86	163.21	164.55	165.89
(Kg) Inst Wgt W/ Bkt	62.60	63.21	64.10	64.44	65.04	65.65	66.26	66.87	67.48	68.31	68.70	69.31	69.92	70.53	71.14	71.75	72.36	72.96	73.57	74.19	74.80	75.40
(Lb) Shipping Wgt	147.73	149.07	151.01	151.76	153.09	154.43	155.77	157.12	158.46	160.28	161.14	162.48	163.82	165.16	166.50	167.85	169.19	170.52	171.86	173.21	174.55	175.89
(Kg) Shipping Wgt	67.15	67.76	68.64	68.98	69.59	70.20	70.80	71.42	72.03	72.85	73.25	73.85	74.46	75.07	75.68	76.30	76.90	77.51	78.12	78.73	79.34	79.95



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4.5-6 REV B

CYLINDER ASSEMBLY  
COMPONENT: AUTOMATIC & MANUAL/AUTO  
NFD1251 - NFD1800 (CE)

SCALE: 1:10

ENGR APPR: *08*

DATE: *5/3/12*

DATE: 4/24/12

DRAWN BY: J. PIPPIN

REVISION: B

PART NO.: 510-229