

# SEA-FIRE DATA SHEET

510-145

MODEL RANGE - NFD401- NFD525

**Mechanical Characteristics**

- Agent: 3M™ Novec™ 1230
- Cylinder capacity: 650 cu in, 10.65 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: ISO 7866, 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

TARE WEIGHTS	LB	KG
AUTOMATIC	14.5	6.6
MANUAL/AUTOMATIC	14.7	6.7

**Performance Characteristics**

- Actuation temperature: 175°F, 79°C
- Discharge duration: less than 10 seconds
- Design concentration: 5.85%
- Safety factor: 30%
- Operating temperature range: 20°F-130°F, -7°C-54°C

**Installation Data**

- Bracket assy: 130-253
- Mounting: horizontal or vertical
- Mounting holes: 4X Ø0.39", 4" by 15" rectangular pattern

Installation Requirements	(IN) Width	(IN) Height	(IN) Depth	(MM) Width	(MM) Height	(MM) Depth
Automatic	8.0	27.4	8.0	203	696	203
Manual/Automatic	8.0	28.7	8.0	203	729	203

**Approvals**

FM 3040508, CE

**Compliance To:**

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

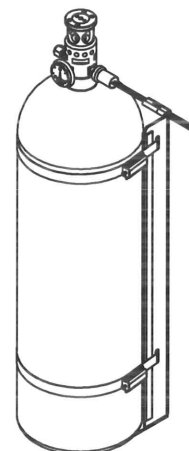
**Options**

- Pressure switch connector: Delphi (Weather-Pack) male connector, Deutsch (DTP) male connector, Delphi (Weather-Pack) assembly with wire leads
- Manual cable activation: Bi-directional
- System status indicator light: 12VDC std, 24VDC optional
- Pressure relief assembly: 975 psi, 67.2 bar

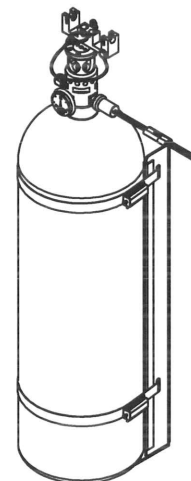
**Shipping Data**

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

MODEL	NFD 425	NFD 450	NFD 475	NFD 500	NFD 525
(Lb) Agent Weight	22.82	24.17	25.51	26.85	28.19
(Kg) Agent Weight	10.37	10.99	11.60	12.20	12.81
(Lb) Filled Weight No Bkt	37.90	39.25	40.59	41.93	43.26
(Kg) Filled Wgt No Bkt	17.23	17.84	18.45	19.06	19.66
(Lb) Inst Wgt W/ Bkt	45.50	46.85	48.19	49.53	50.86
(Kg) Inst Wgt W/ Bkt	20.68	21.30	21.90	22.51	23.12
(Lb) Shipping Weight	50.50	51.85	53.19	54.53	55.86
(Kg) Shipping Wgt	22.95	23.57	24.18	24.79	25.39



AUTOMATIC



MANUAL/AUTOMATIC



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4.5-6 REV B

CYLINDER ASSEMBLY  
COMPONENT: AUTOMATIC & MANUAL/AUTO  
NFD401 - NFD525 (CE)

SCALE: 1:10

ENGR APPR: *[Signature]*

DATE: 5/31/12

DATE: 4/24/12

DRAWN BY: J. PIPPIN

REVISION: B

PART NO.: 510-145