

Pre-engineered Fire Suppression System NMG & NMD Series

SB-045-REV-A

Sea-Fire NMG & NMD Fire Suppression Systems are pre-engineered and designed to protect enclosed compartments.

All NMG & NMD systems are manual only operated systems. This feature provides the operator with the capability of pulling a discharge cable which activates the fire system.

Sea-Fire NMG & NMD Fire Suppression Systems are designed to induce minimum atmospheric concentration of 5.85% within the protected compartment.

The Sea-Fire NMG & NMD series cylinder assemblies are equipped with a factory installed pressure switch which is intended for cylinder pressure monitoring and may also be used to control various electrical functions (engine shutdown, air exchange equipment, etc.)

Product features

- Pre-engineered to protect a specific volume of enclosed space
- Manual discharge only via use of a manual pull cable
- System supervisory pressure switch
- Comes with safety pin to arm/disarm manual cable release during inspection/maintenance
- Equipped with bi-directional cable release bracket for ease of install from either side of cylinder
- Made in the U.S.A.

FK-5-1-12 Agent

- People safe at design concentration
- Environmentally responsible (no ozone depletion + GWP (global warming potential) of less than 1)
- Globally accepted
- Not damaging to equipment and machinery
- No clean-up after discharge
- No foreseeable phase-out schedule



Mounting

- NMG 25 to NMG 100 - Vertical & Horizontal
- NMD 125 to NMD 825 - Vertical & Horizontal
- NMD 850 to NMD 1800 - Vertical only

System specifications

- Protects spaces up to 1800 ft³ (51 m³)
 - Available in increments of 25 ft³ (0.7 m³)
- NMD models are refillable
- NMG models are non-refillable

Applications include

- Engine Compartment
- Machinery Compartment
- Generator Area
- Electrical Control Room
- Fuel Storage Lockers
- Lazarette



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Selecting the proper system

- Determine the volume of the enclosure in cubic feet or cubic meters: measure Length x Width x Height (LxWxH) taking into consideration the curvature of the hull
- Select a manual only model from the chart that meets or exceeds the calculated volume of the protected enclosure

What's included?

- Fire Suppression System
- System Mounting Bracket
- Suppression System Indicator Light
- System Installation & Instruction Manual

Accessory items to consider

- Manual Discharge Cable
- MSRS (Machinery Shutdown Restart System) & Display Panels
- High Temperature Sensor



System Model Chart

Model	Volume of Protection	Unit (Width x Height)	Ship Weight
NMG Series			
NMG 25	25 ft ³ (0.7 m ³)	5.0" X 12.7" (127mm x 323mm)	6.34 lbs (2.88 kg)
NMG 50	50 ft ³ (1.4 m ³)	5.0" X 18.8" (127mm x 478mm)	9.69 lbs (4.40 kg)
NMG 75	75 ft ³ (2.1 m ³)	5.0" X 18.8" (127mm x 478mm)	11.03 lbs (5.01 kg)
NMG 100	100 ft ³ (2.8 m ³)	5.2" X 19.0" (132mm x 483mm)	13.27 lbs (6.03 kg)
NMD Series			
NMD 125	125 ft ³ (3.5 m ³)	5.7" X 20.6" (145mm x 523mm)	18.01 lbs (8.19 kg)
NMD 150	150 ft ³ (4.2 m ³)	5.7" X 20.6" (145mm x 523mm)	19.36 lbs (8.80 kg)
NMD 175	175 ft ³ (5.0 m ³)	5.7" X 20.6" (145mm x 523mm)	20.70 lbs (9.41 kg)
NMD 200	200 ft ³ (5.7 m ³)	5.7" X 20.6" (145mm x 523mm)	22.04 lbs (10.02 kg)
NMD 225	225 ft ³ (6.4 m ³)	8.0" X 20.1" (203mm x 511mm)	31.08 lbs (14.13 kg)
NMD 250	250 ft ³ (7.1 m ³)	8.0" X 20.1" (203mm x 511mm)	32.43 lbs (14.74 kg)
NMD 275	275 ft ³ (7.8 m ³)	8.0" X 20.1" (203mm x 511mm)	33.77 lbs (15.35 kg)
NMD 300	300 ft ³ (8.5 m ³)	8.0" X 20.1" (203mm x 511mm)	35.11 lbs (15.96 kg)
NMD 325	325 ft ³ (9.2 m ³)	8.0" X 24.7" (203mm x 627mm)	40.95 lbs (18.61 kg)
NMD 350	350 ft ³ (9.9 m ³)	8.0" X 24.7" (203mm x 627mm)	42.30 lbs (19.23 kg)
NMD 400	400 ft ³ (11.3 m ³)	8.0" X 24.7" (203mm x 627mm)	44.98 lbs (20.45 kg)
NMD 450	450 ft ³ (12.7 m ³)	8.0" X 28.7" (203mm x 729mm)	51.47 lbs (23.40 kg)
NMD 500	500 ft ³ (14.2 m ³)	8.0" X 28.7" (203mm x 729mm)	54.15 lbs (24.61 kg)
NMD 550	550 ft ³ (15.6 m ³)	9.0" X 29.0" (229mm x 737mm)	66.74 lbs (30.34 kg)
NMD 600	600 ft ³ (17.0 m ³)	9.0" X 29.0" (229mm x 737mm)	69.42 lbs (31.55 kg)
NMD 650	650 ft ³ (18.4 m ³)	9.0" X 29.0" (229mm x 737mm)	72.11 lbs (32.78 kg)
NMD 700	700 ft ³ (19.8 m ³)	9.0" X 33.8" (229mm x 859mm)	79.79 lbs (36.27 kg)
NMD 750	750 ft ³ (21.2 m ³)	9.0" X 33.8" (229mm x 859mm)	82.48 lbs (37.49 kg)
NMD 800	800 ft ³ (22.7 m ³)	9.0" X 33.8" (229mm x 859mm)	85.18 lbs (38.72 kg)
NMD 850	850 ft ³ (24.1 m ³)	16.5" X 30.7" (419mm x 780mm)	111.45 lbs (50.66 kg)
NMD 900	900 ft ³ (25.5 m ³)	16.5" X 30.7" (419mm x 780mm)	114.13 lbs (51.88 kg)
NMD 950	950 ft ³ (26.9 m ³)	16.5" X 30.7" (419mm x 780mm)	116.82 lbs (53.10 kg)
NMD 1000	1000 ft ³ (28.3 m ³)	16.5" X 30.7" (419mm x 780mm)	119.50 lbs (54.32 kg)
NMD 1050	1050 ft ³ (29.7 m ³)	16.5" X 30.7" (419mm x 780mm)	122.19 lbs (55.54 kg)
NMD 1100	1100 ft ³ (31.1 m ³)	16.5" X 30.7" (419mm x 780mm)	124.87 lbs (56.76 kg)
NMD 1150	1150 ft ³ (32.6 m ³)	16.5" X 30.7" (419mm x 780mm)	127.56 lbs (57.98 kg)
NMD 1200	1200 ft ³ (34.0 m ³)	16.5" X 30.7" (419mm x 780mm)	130.24 lbs (59.20 kg)
NMD 1250	1250 ft ³ (35.4 m ³)	16.5" X 30.7" (419mm x 780mm)	132.93 lbs (60.42 kg)
NMD 1300	1300 ft ³ (36.8 m ³)	16.5" X 39.9" (419mm x 1014mm)	147.71 lbs (67.14 kg)
NMD 1350	1350 ft ³ (38.2 m ³)	16.5" X 39.9" (419mm x 1014mm)	150.40 lbs (68.36 kg)
NMD 1400	1400 ft ³ (39.6 m ³)	16.5" X 39.9" (419mm x 1014mm)	153.08 lbs (69.58 kg)
NMD 1450	1450 ft ³ (41.1 m ³)	16.5" X 39.9" (419mm x 1014mm)	155.77 lbs (71.41 kg)
NMD 1500	1500 ft ³ (42.5 m ³)	16.5" X 39.9" (419mm x 1014mm)	158.93 lbs (72.24 kg)
NMD 1550	1550 ft ³ (43.9 m ³)	16.5" X 39.9" (419mm x 1014mm)	161.44 lbs (73.38 kg)
NMD 1600	1600 ft ³ (45.3 m ³)	16.5" X 39.9" (419mm x 1014mm)	163.82 lbs (74.46 kg)
NMD 1650	1650 ft ³ (46.7 m ³)	16.5" X 39.9" (419mm x 1014mm)	166.51 lbs (75.69 kg)
NMD 1700	1700 ft ³ (48.1 m ³)	16.5" X 39.9" (419mm x 1014mm)	169.19 lbs (76.90 kg)
NMD 1750	1750 ft ³ (49.6 m ³)	16.5" X 39.9" (419mm x 1014mm)	171.88 lbs (78.13 kg)
NMD 1800	1800 ft ³ (51.0 m ³)	16.5" X 39.9" (419mm x 1014mm)	174.58 lbs (79.35 kg)

Approvals



www.sea-fire.co.uk

Additional product data sheets and information available on request

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