



YOUR ONBOARD SAFE CHOICE

**WORLD LEADER IN
FIRE SUPPRESSION TECHNOLOGY**

NOVEC 1230 NFD & NFG SERIES

PROTECTS SPACES:

25 cu ft (0.7 cu m)
up to
1800 cu ft (51 cu m)

Activation Temp:

NFG 25-75 at 200 F (93 C)
NFG 100-240 at 175 F (79 C)
NFD 150-1800 at 175 F (79 C)

Note:

Diesel Operated Machinery
will be required to install an
Engine Shutdown system.

3M
Novec™ 1230

SEA-FIRE MARINE

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SEA-FIRE EUROPE LTD

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Voyager Park
Portfield Road
Portsmouth PO3 5FN UK
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info@sea-fire.co.uk

Applications include:

- ELECTRICAL CONTROL ROOM •
- MACHINERY COMPARTMENT •
- ENGINE COMPARTMENT •
- GENERATOR AREA •
- PAINT LOCKERS •
- LAZARETTE •



SEA-FIRE Novec NFD & NFG Fire Suppression Systems are pre-engineered and designed to protect enclosed compartments. All NFD & NFG systems operate automatically through heat activation. Discharge will occur when the sensor valve temperature rises to the system activation point as shown on the label attached to each unit. System with a manual ("M") designation contain a manual capability feature. This provides the operator with the option of pulling a discharge cable which activates the fire system. SEA-FIRE Novec NFD & NFG extinguishing systems are designed to induce minimum atmospheric concentration of 5.85% within the protected compartment.

SEA-FIRE NFD & NFG series extinguishers are equipped with a factory installed pressure switch which is intended for cylinder pressure supervision and may also be used to control other electrical functions (engine shutdown, air exchange equipment, etc.).

Visit our Website

WWW.SEA-FIRE.COM



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**APPROVALS/
CERTIFICATIONS:**

- FM
(Factory Mutual Global)

Marine Type Approvals Pending

READY TO INSTALL:

Each NFD & NFG comes complete with marine approved brackets, face plate and installation manual. All items included in shipment.

RECHARGE / REFILL:

All NFG fire suppression systems are non-refillable. NFD models are factory refillable.

VERTICAL AND HORIZONTAL MOUNTING

All NFG models are approved for vertical or horizontal mounting NFD 150 - NFD 1000 models are approved for vertical or horizontal mounting. NFD 1050 - NFD 1800 models must be installed VERTICAL ONLY

SELECTING THE PROPER SUPPRESSION SYSTEM FOR YOUR HAZARD:

1. Determine the volume of the enclosure in cubic feet or cubic meters: measure Length X Width X Height (LxWxH) taking into consideration any curvature.
2. Select an automatic ("A") or manual/automatic ("M") model from the table that meets or exceeds the calculated volume of the engine compartment.

| MODEL NUMBER | VOLUME OF PROTECTION | UNIT (Diameter x Height) | SHIP WEIGHT |
|--------------|----------------------|--------------------------------|-----------------------|
| NFG 25 A M | 25 ft3 (0.7 m3) | 5.0" X 12.7" (127mm x 323mm) | 6.34 lbs (2.88 kg) |
| NFG 50 A M | 50 ft3 (1.4 m3) | 5.0" X 18.8" (127mm x 478mm) | 9.69 lbs (4.40 kg) |
| NFG 75 A M | 75 ft3 (2.1 m3) | 5.0" X 18.8" (127mm x 478mm) | 11.03 lbs (5.01 kg) |
| NFG 100 A M | 100 ft3 (2.8 m3) | 5.2" X 19.0" (132mm x 483mm) | 13.27 lbs (6.03 kg) |
| NFG 125 A M | 125 ft3 (3.5 m3) | 5.7" X 20.6" (145mm x 523mm) | 18.01 lbs (8.19 kg) |
| NFG 150 A M | 150 ft3 (4.2 m3) | 5.7" X 20.6" (145mm x 523mm) | 19.36 lbs (8.80 kg) |
| NFG 175 A M | 175 ft3 (5.0 m3) | 5.7" X 20.6" (145mm x 523mm) | 20.70 lbs (9.41 kg) |
| NFG 200 A M | 200 ft3 (5.7 m3) | 5.7" X 20.6" (145mm x 523mm) | 22.04 lbs (10.02 kg) |
| NFD 225 A M | 225 ft3 (6.4 m3) | 8.0" X 20.1" (203mm x 511mm) | 31.08 lbs (14.13 kg) |
| NFD 250 A M | 250 ft3 (7.1 m3) | 8.0" X 20.1" (203mm x 511mm) | 32.43 lbs (14.74 kg) |
| NFD 275 A M | 275 ft3 (7.8 m3) | 8.0" X 20.1" (203mm x 511mm) | 33.77 lbs (15.35 kg) |
| NFD 300 A M | 300 ft3 (8.5 m3) | 8.0" X 20.1" (203mm x 511mm) | 35.11 lbs (15.96 kg) |
| NFD 325 A M | 325 ft3 (9.2 m3) | 8.0" X 24.7" (203mm x 627mm) | 40.95 lbs (18.61 kg) |
| NFD 350 A M | 350 ft3 (9.9 m3) | 8.0" X 24.7" (203mm x 627mm) | 42.30 lbs (19.23 kg) |
| NFD 375 A M | 375 ft3 (10.6 m3) | 8.0" X 24.7" (203mm x 627mm) | 43.64 lbs (19.84 kg) |
| NFD 400 A M | 400 ft3 (11.3 m3) | 8.0" X 24.7" (203mm x 627mm) | 44.98 lbs (20.45 kg) |
| NFD 425 A M | 425 ft3 (12.0 m3) | 8.0" X 28.7" (203mm x 729mm) | 50.12 lbs (22.78 kg) |
| NFD 450 A M | 450 ft3 (12.7 m3) | 8.0" X 28.7" (203mm x 729mm) | 51.47 lbs (23.40 kg) |
| NFD 475 A M | 475 ft3 (13.4 m3) | 8.0" X 28.7" (203mm x 729mm) | 52.81 lbs (24.00 kg) |
| NFD 500 A M | 500 ft3 (14.2 m3) | 8.0" X 28.7" (203mm x 729mm) | 54.15 lbs (24.61 kg) |
| NFD 525 A M | 525 ft3 (14.9 m3) | 8.0" X 28.7" (203mm x 729mm) | 55.49 lbs (25.22 kg) |
| NFD 550 A M | 550 ft3 (15.6 m3) | 9.0" X 29.0" (229mm x 737mm) | 66.74 lbs (30.34 kg) |
| NFD 575 A M | 575 ft3 (16.3 m3) | 9.0" X 29.0" (229mm x 737mm) | 68.08 lbs (30.95 kg) |
| NFD 600 A M | 600 ft3 (17.0 m3) | 9.0" X 29.0" (229mm x 737mm) | 69.42 lbs (31.55 kg) |
| NFD 625 A M | 625 ft3 (17.7 m3) | 9.0" X 29.0" (229mm x 737mm) | 70.76 lbs (32.16 kg) |
| NFD 650 A M | 650 ft3 (18.4 m3) | 9.0" X 29.0" (229mm x 737mm) | 72.11 lbs (32.78 kg) |
| NFD 675 A M | 675 ft3 (19.1 m3) | 9.0" X 29.0" (229mm x 737mm) | 73.45 lbs (33.39 kg) |
| NFD 700 A M | 700 ft3 (19.8 m3) | 9.0" X 33.8" (229mm x 859mm) | 79.79 lbs (36.27 kg) |
| NFD 725 A M | 725 ft3 (20.5 m3) | 9.0" X 33.8" (229mm x 859mm) | 81.13 lbs (36.88 kg) |
| NFD 750 A M | 750 ft3 (21.2 m3) | 9.0" X 33.8" (229mm x 859mm) | 82.48 lbs (37.49 kg) |
| NFD 775 A M | 775 ft3 (21.9 m3) | 9.0" X 33.8" (229mm x 859mm) | 83.82 lbs (38.10 kg) |
| NFD 800 A M | 800 ft3 (22.7 m3) | 9.0" X 33.8" (229mm x 859mm) | 85.18 lbs (38.72 kg) |
| NFD 825 A M | 825 ft3 (23.4 m3) | 9.0" X 33.8" (229mm x 859mm) | 86.50 lbs (39.32 kg) |
| NFD 850 M | 850 ft3 (24.1 m3) | 16.5" X 30.7" (419mm x 780mm) | 111.45 lbs (50.66 kg) |
| NFD 875 M | 875 ft3 (24.8 m3) | 16.5" X 30.7" (419mm x 780mm) | 112.79 lbs (51.27 kg) |
| NFD 900 M | 900 ft3 (25.5 m3) | 16.5" X 30.7" (419mm x 780mm) | 114.13 lbs (51.88 kg) |
| NFD 925 M | 925 ft3 (26.2 m3) | 16.5" X 30.7" (419mm x 780mm) | 115.47 lbs (52.49 kg) |
| NFD 950 M | 950 ft3 (26.9 m3) | 16.5" X 30.7" (419mm x 780mm) | 116.82 lbs (53.10 kg) |
| NFD 975 M | 975 ft3 (27.6 m3) | 16.5" X 30.7" (419mm x 780mm) | 118.16 lbs (53.71 kg) |
| NFD 1000 M | 1000 ft3 (28.3 m3) | 16.5" X 30.7" (419mm x 780mm) | 119.50 lbs (54.32 kg) |
| NFD 1025 M | 1025 ft3 (29.0 m3) | 16.5" X 30.7" (419mm x 780mm) | 120.84 lbs (54.93 kg) |
| NFD 1050 M | 1050 ft3 (29.7 m3) | 16.5" X 30.7" (419mm x 780mm) | 122.19 lbs (55.54 kg) |
| NFD 1075 M | 1075 ft3 (30.4 m3) | 16.5" X 30.7" (419mm x 780mm) | 123.53 lbs (56.15 kg) |
| NFD 1100 M | 1100 ft3 (31.1 m3) | 16.5" X 30.7" (419mm x 780mm) | 124.87 lbs (56.76 kg) |
| NFD 1125 M | 1125 ft3 (31.9 m3) | 16.5" X 30.7" (419mm x 780mm) | 126.21 lbs (57.37 kg) |
| NFD 1150 M | 1150 ft3 (32.6 m3) | 16.5" X 30.7" (419mm x 780mm) | 127.56 lbs (57.98 kg) |
| NFD 1175 M | 1175 ft3 (33.3 m3) | 16.5" X 30.7" (419mm x 780mm) | 128.90 lbs (58.59 kg) |
| NFD 1200 M | 1200 ft3 (34.0 m3) | 16.5" X 30.7" (419mm x 780mm) | 130.24 lbs (59.20 kg) |
| NFD 1225 M | 1225 ft3 (34.7 m3) | 16.5" X 30.7" (419mm x 780mm) | 131.58 lbs (59.81 kg) |
| NFD 1250 M | 1250 ft3 (35.4 m3) | 16.5" X 30.7" (419mm x 780mm) | 132.93 lbs (60.42 kg) |
| NFD 1275 M | 1275 ft3 (36.1 m3) | 16.5" X 39.9" (419mm x 1014mm) | 146.31 lbs (66.50 kg) |
| NFD 1300 M | 1300 ft3 (36.8 m3) | 16.5" X 39.9" (419mm x 1014mm) | 147.71 lbs (67.14 kg) |
| NFD 1325 M | 1325 ft3 (37.5 m3) | 16.5" X 39.9" (419mm x 1014mm) | 149.05 lbs (67.75 kg) |
| NFD 1350 M | 1350 ft3 (38.2 m3) | 16.5" X 39.9" (419mm x 1014mm) | 150.40 lbs (68.36 kg) |
| NFD 1375 M | 1375 ft3 (38.9 m3) | 16.5" X 39.9" (419mm x 1014mm) | 151.74 lbs (68.97 kg) |
| NFD 1400 M | 1400 ft3 (39.6 m3) | 16.5" X 39.9" (419mm x 1014mm) | 153.08 lbs (69.58 kg) |
| NFD 1425 M | 1425 ft3 (40.3 m3) | 16.5" X 39.9" (419mm x 1014mm) | 154.42 lbs (70.19 kg) |
| NFD 1450 M | 1450 ft3 (41.1 m3) | 16.5" X 39.9" (419mm x 1014mm) | 155.77 lbs (71.41 kg) |
| NFD 1475 M | 1475 ft3 (41.8 m3) | 16.5" X 39.9" (419mm x 1014mm) | 157.11 lbs (71.41 kg) |
| NFD 1500 M | 1500 ft3 (42.5 m3) | 16.5" X 39.9" (419mm x 1014mm) | 158.93 lbs (72.24 kg) |
| NFD 1525 M | 1525 ft3 (43.2 m3) | 16.5" X 39.9" (419mm x 1014mm) | 159.79 lbs (72.63 kg) |
| NFD 1550 M | 1550 ft3 (43.9 m3) | 16.5" X 39.9" (419mm x 1014mm) | 161.44 lbs (73.38 kg) |
| NFD 1575 M | 1575 ft3 (44.6 m3) | 16.5" X 39.9" (419mm x 1014mm) | 162.48 lbs (73.85 kg) |
| NFD 1600 M | 1600 ft3 (45.3 m3) | 16.5" X 39.9" (419mm x 1014mm) | 163.82 lbs (74.46 kg) |
| NFD 1625 M | 1625 ft3 (46.0 m3) | 16.5" X 39.9" (419mm x 1014mm) | 165.16 lbs (75.07 kg) |
| NFD 1650 M | 1650 ft3 (46.7 m3) | 16.5" X 39.9" (419mm x 1014mm) | 166.51 lbs (75.69 kg) |
| NFD 1675 M | 1675 ft3 (47.4 m3) | 16.5" X 39.9" (419mm x 1014mm) | 167.85 lbs (76.30 kg) |
| NFD 1700 M | 1700 ft3 (48.1 m3) | 16.5" X 39.9" (419mm x 1014mm) | 169.19 lbs (76.90 kg) |
| NFD 1725 M | 1725 ft3 (48.8 m3) | 16.5" X 39.9" (419mm x 1014mm) | 170.53 lbs (77.51 kg) |
| NFD 1750 M | 1750 ft3 (49.6 m3) | 16.5" X 39.9" (419mm x 1014mm) | 171.88 lbs (78.13 kg) |
| NFD 1775 M | 1775 ft3 (50.3 m3) | 16.5" X 39.9" (419mm x 1014mm) | 173.22 lbs (78.74 kg) |
| NFD 1800 M | 1800 ft3 (51.0 m3) | 16.5" X 39.9" (419mm x 1014mm) | 174.58 lbs (79.35 kg) |

Note: "A" - AUTOMATIC - activated automatically only
"M" - MANUAL/AUTOMATIC - activated automatically or by manual pull cable