



YOUR ONBOARD  
SAFE CHOICE

WORLD LEADER IN  
MARINE FIRE SUPPRESSION TECHNOLOGY

# 3M™ NOVEC™ 1230 Fire System Pre-engineered | NFG & NFD SERIES

## Applications Include

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

## System Specifications

- Protects spaces up to 1800 ft<sup>3</sup> (51m<sup>3</sup>)
  - Available in increments of 25 ft<sup>3</sup> (0.7m<sup>3</sup>)
- Activation temp:
  - NFG 25-75 | 200-250°F (93-121°C)
  - NFG 76-200 | 175-225°F (79-107°C)
  - NFD 201-1800 | 175-225°F (79-107°C)
- NFD models are refillable
- NFG models are non-refillable
- Operating temperature range: 20°F to 130°F (-7°C to 55°C)

## 3M™ NOVEC™ 1230 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 & machinery
- No clean-up after discharge
- No foreseeable phase-out schedule



## Product Features

- Pre-engineered to protect a specific volume of enclosed space
- Automatically discharged through heat activation
- 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.



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Additional product data sheets & information available upon request

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## Selecting the proper system

1. 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.
2. Select an automatic only ("A") or manual / automatic ("M") 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/ESRS (Shutdown Restart System) & Display Panels
- High Temperature Sensor

## System Model Chart

Model Number	Volume of Protection	Unit (Width x Height)	Ship Weight
<b>NFG Series</b>			
NFG 25 A M	25 ft <sup>3</sup> (0.7 m <sup>3</sup> )	5" x 12.7"	6.3 lb (2.9 kg)
NFG 50 A M	50 ft <sup>3</sup> (1.4 m <sup>3</sup> )	5" x 18.8"	9.7 lb (4.4 kg)
NFG 75 A M	75 ft <sup>3</sup> (2.1 m <sup>3</sup> )	5" x 18.8"	11.0 lb (5.0 kg)
NFG 100 A M	100 ft <sup>3</sup> (2.8 m <sup>3</sup> )	5.2" x 19"	13.3 lb (6.0 kg)
NFG 125 A M	125 ft <sup>3</sup> (3.5 m <sup>3</sup> )	5.7" x 20.6"	18.0 lb (8.2 kg)
NFG 150 A M	150 ft <sup>3</sup> (4.2 m <sup>3</sup> )	5.7" x 20.6"	19.4 lb (8.8 kg)
NFG 175 A M	175 ft <sup>3</sup> (5.0 m <sup>3</sup> )	5.7" x 20.6"	20.7 lb (9.4 kg)
NFG 200 A M	200 ft <sup>3</sup> (5.7 m <sup>3</sup> )	5.7" x 20.6"	20.0 lb (10.0 kg)
<b>NFD Series</b>			
NFD 225 A M	225 ft <sup>3</sup> (6.4 m <sup>3</sup> )	8" x 20.1"	32 lb (14.5 kg)
NFD 250 A M	250 ft <sup>3</sup> (7.1 m <sup>3</sup> )	8" x 20.1"	33 lb (15.0 kg)
NFD 275 A M	275 ft <sup>3</sup> (7.8 m <sup>3</sup> )	8" x 20.1"	34 lb (15.5 kg)
NFD 300 A M	300 ft <sup>3</sup> (8.5 m <sup>3</sup> )	8" x 20.1"	36 lb (16.4 kg)
NFD 325 A M	325 ft <sup>3</sup> (9.2 m <sup>3</sup> )	8" x 24.7"	41 lb (18.6 kg)
NFD 350 A M	350 ft <sup>3</sup> (9.9 m <sup>3</sup> )	8" x 24.7"	43 lb (19.5 kg)
NFD 400 A M	400 ft <sup>3</sup> (11.3 m <sup>3</sup> )	8" x 24.7"	45 lb (20.5 kg)
NFD 450 A M	450 ft <sup>3</sup> (12.7 m <sup>3</sup> )	8" x 28.7"	52 lb (23.6 kg)
NFD 500 A M	500 ft <sup>3</sup> (14.2 m <sup>3</sup> )	8" x 28.7"	55 lb (25.0 kg)
NFD 550 A M	550 ft <sup>3</sup> (15.6 m <sup>3</sup> )	9.0" x 29.0"	67 lb (30.5 kg)
NFD 600 A M	600 ft <sup>3</sup> (17.0 m <sup>3</sup> )	9.0" x 29.0"	70 lb (31.8 kg)
NFD 650 A M	650 ft <sup>3</sup> (18.4 m <sup>3</sup> )	9.0" x 29.0"	73 lb (33.2 kg)
NFD 700 A M	700 ft <sup>3</sup> (19.8 m <sup>3</sup> )	8.6" x 33.8"	80 lb (36.4 kg)
NFD 750 A M	750 ft <sup>3</sup> (21.2 m <sup>3</sup> )	8.6" x 28.1"	83 lb (37.7 kg)
NFD 800 A M	800 ft <sup>3</sup> (22.7 m <sup>3</sup> )	8.6" x 28.1"	86 lb (39.1 kg)
NFD 825 A M	825 ft <sup>3</sup> (23.4 m <sup>3</sup> )	8.6" x 28.1"	87 lb (39.5 kg)
NFD 850 M	850 ft <sup>3</sup> (24.1 m <sup>3</sup> )	16.5" x 30.7"	112 lb (50.9 kg)
NFD 900 M	900 ft <sup>3</sup> (25.5 m <sup>3</sup> )	16.5" x 30.7"	114 lb (51.8 kg)
NFD 950 M	950 ft <sup>3</sup> (26.9 m <sup>3</sup> )	16.5" x 30.7"	117 lb (53.2 kg)
NFD 1000 M	1000 ft <sup>3</sup> (28.3 m <sup>3</sup> )	16.5" x 30.7"	120 lb (54.5 kg)
NFD 1050 M	1050 ft <sup>3</sup> (29.8 m <sup>3</sup> )	16.5" x 30.7"	123 lb (55.9 kg)
NFD 1100 M	1100 ft <sup>3</sup> (31.3 m <sup>3</sup> )	16.5" x 30.7"	125 lb (56.8 kg)
NFD 1150 M	1150 ft <sup>3</sup> (32.6 m <sup>3</sup> )	16.5" x 30.7"	128 lb (58.2 kg)
NFD 1200 M	1200 ft <sup>3</sup> (34.0 m <sup>3</sup> )	16.5" x 30.7"	131 lb (59.5 kg)
NFD 1250 M	1250 ft <sup>3</sup> (35.4 m <sup>3</sup> )	16.5" x 30.7"	133 lb (60.5 kg)
NFD 1300 M	1300 ft <sup>3</sup> (36.8 m <sup>3</sup> )	16.5" x 30.7"	148 lb (67.3 kg)
NFD 1350 M	1350 ft <sup>3</sup> (38.8 m <sup>3</sup> )	16.5" x 30.7"	151 lb (68.6 kg)
NFD 1400 M	1400 ft <sup>3</sup> (39.6 m <sup>3</sup> )	16.5" x 30.7"	154 lb (70.0 kg)
NFD 1450 M	1450 ft <sup>3</sup> (41.1 m <sup>3</sup> )	16.5" x 30.7"	156 lb (70.9 kg)
NFD 1500 M	1500 ft <sup>3</sup> (42.5 m <sup>3</sup> )	16.5" x 30.7"	159 lb (72.3 kg)
NFD 1550 M	1550 ft <sup>3</sup> (43.9 m <sup>3</sup> )	16.5" x 30.7"	162 lb (73.6 kg)
NFD 1600 M	1600 ft <sup>3</sup> (45.3 m <sup>3</sup> )	16.5" x 30.7"	164 lb (74.5 kg)
NFD 1650 M	1650 ft <sup>3</sup> (46.7 m <sup>3</sup> )	16.5" x 30.7"	167 lb (75.9 kg)
NFD 1700 M	1700 ft <sup>3</sup> (48.1 m <sup>3</sup> )	16.5" x 30.7"	170 lb (77.3 kg)
NFD 1750 M	1750 ft <sup>3</sup> (49.6 m <sup>3</sup> )	16.5" x 30.7"	172 lb (78.2 kg)
NFD 1800 M	1800 ft <sup>3</sup> (51.0 m <sup>3</sup> )	16.5" x 30.7"	175 lb (79.5 kg)



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