



MAE Series

Complete Pre-Engineered Fire Detection & Suppression Systems

Available in A-C or A-B-C rating using 3M™ Novec™ 1230 Fire Protection Fluid

FIREBOY MAE Fire Detection & Suppression System Advantages

- ▶ Pre-Engineered System
- ▶ All Components Included in the Kit
- ▶ Fast Installation with One Technician
- ▶ Competitively Priced Total Installed Cost
- ▶ No Engineering or Piping Calculations Required

THE FIREBOY MAE PRE-ENGINEERED SYSTEM IS PERFECT FOR USE IN:

- ▶ Server Rooms
- ▶ Laboratories
- ▶ Computer Rooms
- ▶ Control Rooms
- ▶ Records & Data Centers
- ▶ Media Storage
- ▶ Reference Material
- ▶ Clean Rooms
- ▶ Grow Rooms & Labs
- ▶ Telecommunication Centers
- ▶ Flammable Liquid Storage
- ▶ Robotic Equipment
- ▶ Textile Manufacturing
- ▶ Electric Utility Facilities
- ▶ Testing / Image Equipment
- ▶ Military Applications
- ▶ Historical Collections
- ▶ Other Enclosed Spaces



PATENT PENDING



UNITED SAFETY
& SURVIVABILITY CORPORATION™

FIREBOY - XINTEX

SAFETY



FIREBOY-XINTEX.COM

Grand Rapids, Michigan / Poole, England

MAE SERIES

COMPLETE PRE-ENGINEERED FIRE DETECTION & SUPPRESSION

THE FIREBOY MAE SYSTEM IS PRE-ENGINEERED

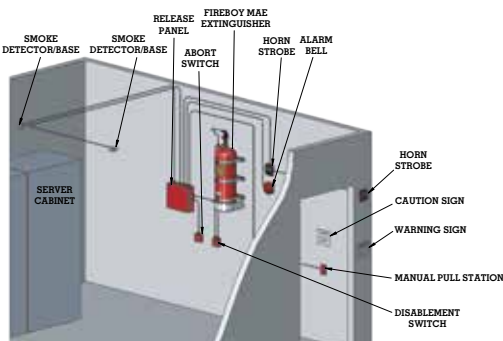
The MAE System is a complete pre-engineered Fire Detection and A-C or A-B-C rated suppression system using 3M™ Novec™ 1230 Fire Protection Fluid and a patent pending electric release including:

- ▶ Two (2) Smoke Detectors, Photo-Electric
- ▶ One (1) Pull Station
- ▶ One (1) Fire Bell
- ▶ Two (2) Horn/Strobes
- ▶ Release Panel Available in Red or Gray Finish
- ▶ One (1) Abort Switch
- ▶ One (1) Disablement Switch
- ▶ Pre-engineered MAE Suppression System (155°F/68°C) with 3M™ Novec™ 1230 Fire Protection Fluid
- ▶ One (1) Extinguisher Circuit Test Module
- ▶ Two (2) Caution / Warning Signs
- ▶ Unique Safety Pin Supervision System
- ▶ Power Supply and Safety Pin are Supervised by the Release Panel
- ▶ Quick Connect Electrical Connectors
- ▶ Easy Installation



EASY TO ORDER – ALL COMPONENTS INCLUDED IN THE KIT

Typical MAE System Installation



FIREBOY MAE SYSTEM APPLICATION PARAMETERS:

- ▶ Single Extinguisher System Up to 1,800 cu. ft.
- ▶ Maximum Ceiling Height is 16 ft.
- ▶ Maximum Reach is 21.0 ft.
- ▶ Locate Extinguisher Nozzle Within 24 in. of Ceiling



Simple and Easy System Installation

ADVANTAGES OF PRE-ENGINEERED MAE FIRE DETECTION AND SUPPRESSION SYSTEM:

- ▶ Pre-engineered System — No Engineering or Piping Calculations Required
- ▶ All Components Included in the Kit — Easy to Order
- ▶ Fast Installation with One Technician
- ▶ Easy to Mount Bracket
- ▶ Safety Pin Supervision System in Electric Release Block
- ▶ Easy Electrical Installation
- ▶ Competitively Priced Total Installed Cost
- ▶ Patent Pending Design

3M™ NOVEC™ 1230 FIRE PROTECTION FLUID:

- ▶ Clean Agent with Very Low Global Warming Potential (GWP <1)
- ▶ No Damage to Sensitive Equipment
- ▶ Not Targeted for Emission Reduction or Phase-out
- ▶ 3M™ Blue Sky™ Warranty — 20 Year Protection Against Environmental Regulation

CUSTOMIZE WITH SYSTEM OPTIONS AND ADDITIONAL COMPONENTS

RELEASE PANEL

- ▶ Large LED Display
- ▶ UL 864 Approved
- ▶ Supervision of Power Supply and "Proofing Pin"
- ▶ Configurable First Stage NAC Delays
- ▶ Configurable Detection Delays
- ▶ Configurable Releasing Delays Up to 60 Seconds in 5 Second Steps
- ▶ Configurable Releasing Duration Up to 5 Minutes in 5 Second Steps
- ▶ Available in Red or Gray Finish
- ▶ 115/1/60 or 230/1/50 or 60 Supply Voltage



EXPAND YOUR SYSTEM WITH ADDITIONAL COMPONENTS

- ▶ Extra Smoke Detectors
- ▶ Extra Pull Stations or Call Points
- ▶ Extra Horn/Strobes
- ▶ Extra Fire Bells



MAE PRE-ENGINEERED SYSTEM OPTIONS

- ▶ Available in A-C or A-B-C rating using 3M™ Novec™ 1230 Fire Protection Fluid
- ▶ Extra Smoke Detectors, Photo-Electric
- ▶ Heat Detectors, 135°F/57°C
- ▶ Call Point in Lieu of Pull Station
- ▶ Pull Cable
- ▶ 135°F/57°C or 175°F/80°C Operation

ON GUARD™

A-C SUPPRESSION SYSTEMS FOR PAPER AND ELECTRICAL - (4.7% CONCENTRATION) (SERVER ROOM)

MAE SYSTEM PART NUMBER (155°F / 68°C)	PROTECTED VOLUME ft³ (m³)	CYLINDER HEIGHT in (mm)	CYLINDER DIAMETER in (mm)	AGENT WEIGHT lbs (kgs)	SYSTEM SHIPPING WEIGHT lbs (kgs)
MAE0025NVC-30-K1	25 (0.7)	14.3 (363)	3.3 (85)	1.1 (0.5)	46 (21)
MAE0050NVC-30-K1	50 (1.4)	18.1 (458)	3.3 (85)	2.1 (1.1)	50 (23)
MAE0100NVC-30-K1	100 (2.8)	20.4 (517)	4.3 (110)	4.3 (2.0)	56 (26)
MAE0150NVC-30-K1	150 (4.3)	22.0 (560)	5.1 (130)	6.4 (2.9)	62 (29)
MAE0200NVC-30-K1	200 (5.7)	22.0 (560)	5.1 (130)	8.5 (3.9)	64 (30)
MAE0250NVC-30-K1	250 (7.0)	22.1 (561)	6.3 (160)	10.7 (4.9)	70 (32)
MAE0300NVC-30-K1	300 (8.5)	22.1 (561)	6.3 (160)	12.8 (5.8)	72 (33)
MAE0400NVC-30-K1	400 (11.3)	24.1 (613)	7.1 (180)	17.1 (7.8)	85 (39)
MAE0500NVC-30-K1	500 (14.1)	32.2 (817)	7.1 (180)	21.3 (9.7)	94 (43)
MAE0600NVC-30-K1	600 (17.0)	32.2 (817)	7.1 (180)	25.6 (11.6)	100 (46)
MAE0700NVC-30-K1	700 (19.8)	32.2 (817)	7.1 (180)	29.9 (13.6)	104 (48)
MAE0800NVC-30-K1	800 (22.6)	38.3 (974)	7.1 (180)	34.1 (15.5)	116 (53)
MAE0900NVC-30-K1	900 (22.5)	38.3 (974)	7.1 (180)	38.4 (17.5)	121 (55)
MAE1000NVC-30-K1	1,000 (28.3)	26.4 (671)	10.0 (254)	42.6 (19.4)	130 (59)
MAE1100NVC-30-K1	1,100 (31.1)	26.4 (671)	10.0 (254)	46.9 (21.3)	133 (61)
MAE1200NVC-30-K1	1,200 (34.0)	32.6 (828)	10.0 (254)	51.2 (23.3)	149 (68)
MAE1300NVC-30-K1	1,300 (36.8)	32.6 (828)	10.0 (254)	55.4 (25.2)	154 (70)
MAE1400NVC-30-K1	1,400 (39.6)	32.6 (828)	10.0 (254)	59.7 (27.1)	160 (73)
MAE1500NVC-30-K1	1,500 (42.5)	32.6 (828)	10.0 (254)	64.0 (29.0)	164 (75)
MAE1600NVC-30-K1	1,600 (45.3)	37.3 (949)	10.0 (254)	68.2 (30.9)	172 (78)
MAE1700NVC-30-K1	1,700 (48.1)	37.3 (949)	10.0 (254)	72.5 (32.9)	178 (81)
MAE1800NVC-30-K1	1,800 (51.0)	37.3 (949)	10.0 (254)	76.8 (34.8)	183 (84)

LOW PROFILE

MAE0800NVC-304-K1	800 (17.0)	26.4 (671)	10.0 (254)	32.2 (14.6)	120 (55)
MAE0900NVC-304-K1	900 (19.8)	26.4 (671)	10.0 (254)	37.6 (17.1)	126 (58)

A-B-C SYSTEMS FOR PAPER, FUEL, CHEMICAL AND ELECTRICAL - (5.85% CONCENTRATION) (CHEMICAL STORAGE)

MAE SYSTEM PART NUMBER (155°F / 68°C)	PROTECTED VOLUME ft³ (m³)	CYLINDER HEIGHT in (mm)	CYLINDER DIAMETER in (mm)	AGENT WEIGHT lbs (kgs)	SYSTEM SHIPPING WEIGHT lbs (kgs)
MAE0025NVC-30B-K1	25 (0.7)	14.3 (363)	3.3 (85)	1.3 (0.6)	46 (21)
MAE0050NVC-30B-K1	50 (1.4)	18.1 (458)	3.3 (85)	2.7 (1.2)	50 (23)
MAE0100NVC-30B-K1	100 (2.8)	20.4 (517)	4.3 (110)	5.4 (2.4)	56 (26)
MAE0150NVC-30B-K1	150 (4.3)	22.1 (560)	5.1 (130)	8.1 (3.7)	65 (30)
MAE0200NVC-30B-K1	200 (5.7)	22.1 (561)	6.3 (160)	10.7 (4.9)	69 (32)
MAE0250NVC-30B-K1	250 (7.0)	22.1 (561)	6.3 (160)	13.4 (6.1)	74 (34)
MAE0300NVC-30B-K1	300 (8.5)	21.8 (554)	7.1 (180)	16.1 (7.3)	79 (36)
MAE0400NVC-30B-K1	400 (11.3)	32.2 (817)	7.1 (180)	21.5 (9.8)	94 (43)
MAE0500NVC-30B-K1	500 (14.1)	32.2 (817)	7.1 (180)	26.9 (12.2)	102 (47)
MAE0600NVC-30B-K1	600 (17.0)	38.3 (974)	7.1 (180)	32.2 (14.6)	113 (52)
MAE0700NVC-30B-K1	700 (19.8)	38.3 (974)	7.1 (180)	37.6 (17.1)	119 (54)
MAE0800NVC-30B-K1	800 (22.6)	26.4 (671)	10.0 (254)	43.0 (19.5)	131 (60)
MAE0900NVC-30B-K1	900 (22.5)	32.6 (828)	10.0 (254)	48.4 (22.0)	144 (66)
MAE1000NVC-30B-K1	1,000 (28.3)	32.6 (828)	10.0 (254)	53.7 (24.4)	150 (68)
MAE1100NVC-30B-K1	1,100 (31.1)	32.6 (828)	10.0 (254)	59.1 (26.8)	157 (72)
MAE1200NVC-30B-K1	1,200 (34.0)	32.6 (828)	10.0 (254)	64.5 (29.3)	170 (78)
MAE1300NVC-30B-K1	1,300 (36.8)	37.3 (949)	10.0 (254)	69.8 (31.7)	175 (80)
MAE1400NVC-30B-K1	1,400 (39.6)	37.3 (949)	10.0 (254)	75.2 (34.1)	181 (83)
MAE1500NVC-30B-K1	1,500 (42.5)	37.3 (949)	10.0 (254)	80.6 (36.6)	187 (85)
MAE1600NVC-30B-K1	1,600 (45.3)	46.6 (1184)	10.0 (254)	86.0 (39.0)	197 (90)
MAE1700NVC-30B-K1	1,700 (48.1)	46.6 (1184)	10.0 (254)	91.3 (41.4)	203 (93)
MAE1800NVC-30B-K1	1,800 (51.0)	46.6 (1184)	10.0 (254)	96.7 (43.6)	210 (96)

LOW PROFILE

MAE0600NVC-304B-K1	600 (17.0)	26.4 (671)	10.0 (254)	32.2 (14.6)	125 (57)
MAE0700NVC-304B-K1	700 (19.8)	26.4 (671)	10.0 (254)	37.6 (17.1)	131 (60)



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