



EMME ANTINCENDIO S.r.l.
www.emme-italia.com

AUTOMATIC DEVICE "MARE SERIES" 3-6-12 Kg Gas HFC



Supplied with Pressure switch



Note: image is for illustrative purpose only, the product purchased can have some differences

In new installations, the devices for to be operative need at least of this components: 2164; 2165; 2163

See example of installation at next page

Note: items supplied only on request

1890
Manual
actuator



2164 - Aluminum
distribution tube



2165 - Fitting
F 3/8" for
distribution tube



2166-1 - Pyrotechnic
cartridge for electric
activation



2163
Nozzle M 3/8"



Note for pressure switch:
The pressurized device is "normally open".
The pressure switch alone, not installed on
the device, is "normally closed".

- **CYLINDER**
Alloy steel, epoxypolyester powder painting, Red Ral 3000.
- **EXTINGUISHING AGENT**
Gas HFC 227 ea.
- **PROPELLANT**
Nitrogen (N₂).
- **VALVE**
Automatic M. 30x1.5, set 93 °C.
(with bulb in standard equipment)
Supplied with pressure switch
set at 11 bar.
- **USE**
A B fire rating
(solid materials, flammable liquids).
- **ACTIVATION**
 - Automatic when bulb temperature is reached. On request (see optional):
 - with manual actuator in protected control box;
 - with pyrotechnic cartridge for electric activation.
- **BRACKET**
Wall-mounted in standard equipment.

Gas HFC Automatic Device, Mare Series, available charge 3, 6, 12 Kg , temperature range from -30°C to +60°C, certified according to the directive for pressure equipment PED 2014/68/EU. RINA certified, ISO 9094:2015. Quality Product certification guaranteed by Bureau Veritas Italia. Suitable for use on fire involving electrical voltages up to 1'000 V, at a distance of 1 mt.

AVAILABLE VERSIONS

CODE	GAS HFC QUANTITY	DIMENSIONS (without bracket) H x L max x Ø cylinder (mm)	M3/Kg	C % (concentration gas in volume)	DISTRIBUTION TUBE LENGTH	NUMBER OF NOZZLE	DISCHARGE TIME	COVERAGE AREA
11039-2	Kg 3	440 +/-5 x 140 +/-3 x 130 +/-1	0,1373	7,611	recommended 5 m	Based on choice of dispensing points of installation	20 sec.	5 c.m.
11069-2	Kg 6	490 +/-5 x 160 +/-3 x 160 +/-3	0,1373	7,611	recommended 5 m		35 sec.	10 c.m.
11129-2	Kg 12	590 +/-5 x 190 +/-3 x 190 +/-3	0,1373	7,611	recommended 8 m		60 sec.	20 c.m.

APPROVED/CERTIFIED DEVICE:



**FIRE
RATING**



AUTOMATIC DEVICE "MARE SERIES"

3-6-12 Kg Gas HFC

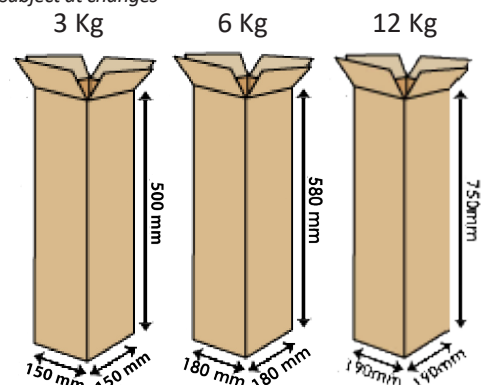
TECHNICAL SPECIFICATIONS

FIRE RATING	A B
EXTINGUISHING AGENT	Gas HFC 227 ea
PROPELLANT	Nitrogen (N ₂), 15 Bar at 20 °C
TEMPERATURE RANGE	-30°C / +60°C
CYLINDER PRESSURE TEST	PT 27 bar
VALVE TIGHTENING TORQUE	Between 40 and 50 Nm
CYLINDER MATERIAL	Alloy steel
EXTERNAL/INTERNAL TREATMENT	Sandblast and epoxypolyestere powder painting, Red Ral 3000 colour

PACKAGING

STANDARD : single packaging

Note: the packaging quantities and measurements are indicative and can be subject at changes



MAINTENANCE AND INSTALLATION

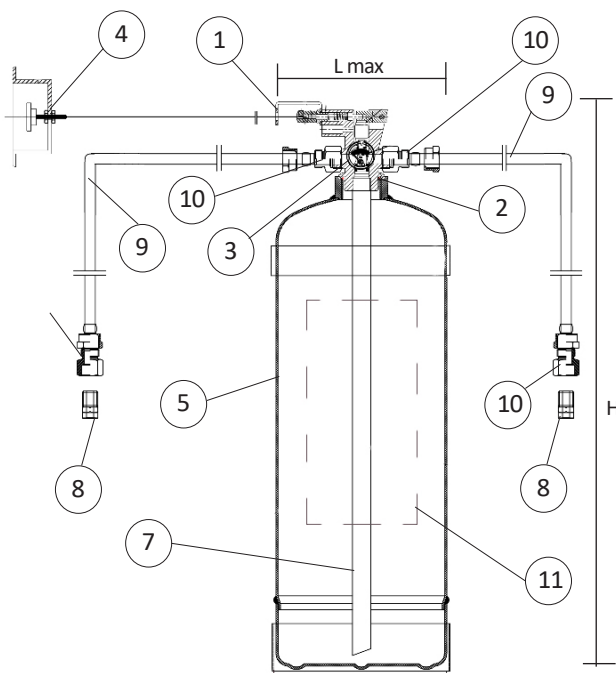
Install the system in vertical position using the supplied bracket. Place the gas distribution pipe and fix the nozzles. Remove the safety pin to make operating system.

Recommended maintenance : every 6 months check pressure; every 72 months replace extinguishing agent; test after 144 months of production date.

SPARE PARTS

N.	DESCRIPTION	CODE
1	Valve M. 30x1.5 with thermosensible bulb for activation at 93°C	1906
2	Valve o-ring	0201
3	Pressure gauge	0272
4 - OPTIONAL	Manual actuator in control box(cable 5 m)	1890
5	Cylinder 3 Kg Cylinder 6 Kg Cylinder 12 Kg	0103 1848K 0105-8
6	Iron bracket 3 Kg Iron bracket 6 Kg Iron bracket 12 Kg	0315-1 0316-1 0317-1
7	PVC dip tube 3 Kg PVC dip tube 6 Kg PVC dip tube 12 Kg	0153 1859 0155-1
8 - OPTIONAL	Brass dispensing nozzle M 3/8"	2163
9 - OPTIONAL	Aluminum distribution tube Ø 10, PVC coated	2164
10 - OPTIONAL	Fitting F 3/8" for distribution tube	2165
OPTIONAL	Pyrotechnic cartridge	2166-1
11	Label	2064
	Pressure switch 1/8" for valve, set at 11 bar	1161

EXAMPLE OF AUTOMATIC DEVICE INSTALLATION



File name	Code	Date	Rele.	Check	Rev.	Pag.
ds_series mare	-	09/10/20	M.R	MR	1	2

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