



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



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

Manual actuator



Aluminum distribution tube



Fitting F 3/8" for distribution tube



Pyrotechnic cartridge for electric



Nozzle M 3/8"



Supplied with Pressure switch



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

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

- **CYLINDER**
Alloy steel, epoxypolyestere 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 with handle;
 - 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

	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
	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.
	Kg 6	490 +/-5 x 160 +/-3 x 160 +/-3	0,1373	7,611	recommended 5 m		35 sec.	10 c.m.
	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

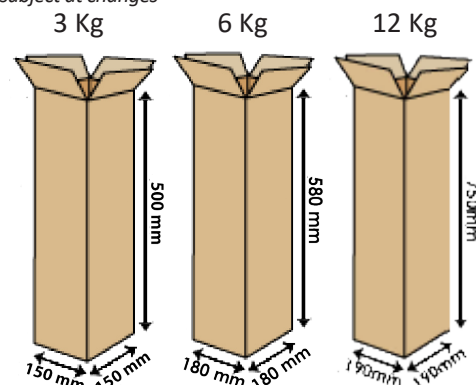
TECHNICAL SPECIFICATIONS

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	
1	Valve M. 30x1.5 with thermosensible bulb for activation at 93°C	
2	Valve o-ring	
3	Pressure gauge	
4 - OPTIONAL	Manual actuator in control box(cable 5 m)	
5	Cylinder 3 Kg Cylinder 6 Kg Cylinder 12 Kg	
6	Iron bracket 3 Kg Iron bracket 6 Kg Iron bracket 12 Kg	
7	PVC dip tube 3 Kg PVC dip tube 6 Kg PVC dip tube 12 Kg	
8 - OPTIONAL	Brass dispensing nozzle M 3/8"	
9 - OPTIONAL	Aluminum distribution tube Ø 10, PVC coated	
10 - OPTIONAL	Fitting F 3/8" for distribution tube	
OPTIONAL	Pyrotechnic cartridge	
11	Label	
	Pressure switch 1/8" for valve, set at 11 bar	

EXAMPLE OF AUTOMATIC DEVICE INSTALLATION

