

# Use and Maintenance Technical Manual

## BIOGENESIS



Biogenesis S.r.l.  
www.bio-genesis.it

## Portable Fire Extinguisher, 2 Kg ABC Powder



- **CYLINDER**  
In high-strength alloy steel, deep drawing, external powder painting Red Ral 3000.
- **EXTINGUISHING AGENT**  
ABC Powder - MAP 20 %.
- **PROPELLANT**  
Dehumidified air or nitrogen (N<sub>2</sub>).
- **VALVE**  
M. 30x1.5, brass body, levers with red painting Ral 3000.
- **USE**  
A B C fire rating (solid materials, flammable liquids, flammable gas).

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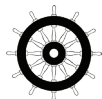
Note: image is for illustrative purpose only, the product purchased can has some difference

2 Kg powder fire extinguisher, temperature range from -30°C to +60°C, manufactured in accordance to **UNI EN 3-7, (D.M. 7.1.2005)**, approved Marine Equipment Directive **MED 2014/90/EU**, certified according to the directive for pressure equipment **PED 2014/68/EU**.

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 meter.

APPROVED/CERTIFIED FIRE EXTINGUISHER:



**FIRE RATING :**



13



89



✓

# Portable Fire Extinguisher, 2 Kg ABC Powder

## TECHNICAL SPECIFICATIONS

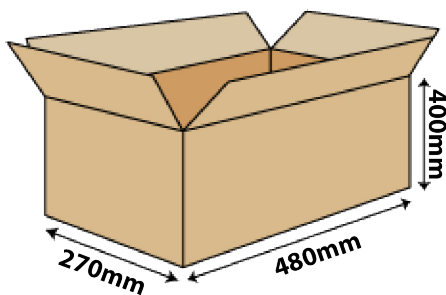
FIRE RATING	13 A 89 B C
EXTINGUISHING AGENT	ABC Powder - MAP 20 % EPW 18462 (ABC Favorit Tertia - Rühl)
PROPELLANT	Dehumidified air or Nitrogen (N <sub>2</sub> ), 15 bar at 20°C
TEMPERATURE RANGE	-30°C / +60°C
NOMINAL CHARGE	2 Kg
FULL WEIGHT	~ 3,7 Kg
DIMENSIONS	Height (base - valve) 380 +/- 5 mm Diameter (cylinder) 110 +/- 2 mm
DISCHARGE TIME	~ 13,3 seconds
VALVE TIGHTENING TORQUE	Minimum 45 Nm, Maximum 68 Nm
CYLINDER PRESSURE TEST	PT 27 bar
CYLINDER VOLUME	2,5 L.
SAFETY DEVICE	Set between 20 and 26 bar
CYLINDER MATERIAL	Alloy steel
EXTERNAL TREATMENT	Sandblast and powder painting, Red Ral 3000 colour

## PACKAGING

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

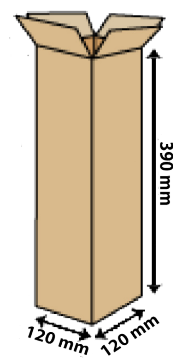
### STANDARD

Note: minimum 8 pieces  
Maximum nr. 256 pieces for pallet  
(32 boxes with 8 pieces for each one)  
Pallet dimensions 100x120 cm



### ON REQUEST: SINGLE PACKAGING

- maximum 192 pieces on pallet 100x120



## TRANSPORT DISPOSAL

Land transport : Exemption for the purposes of ADR disposal 594

Ship Transport : IMDG Code - UN 1044 class 2.2 Fire Extinguishers

# Portable Fire Extinguisher, 2 Kg ABC Powder

## COMPONENTS AND SPARE PARTS LIST

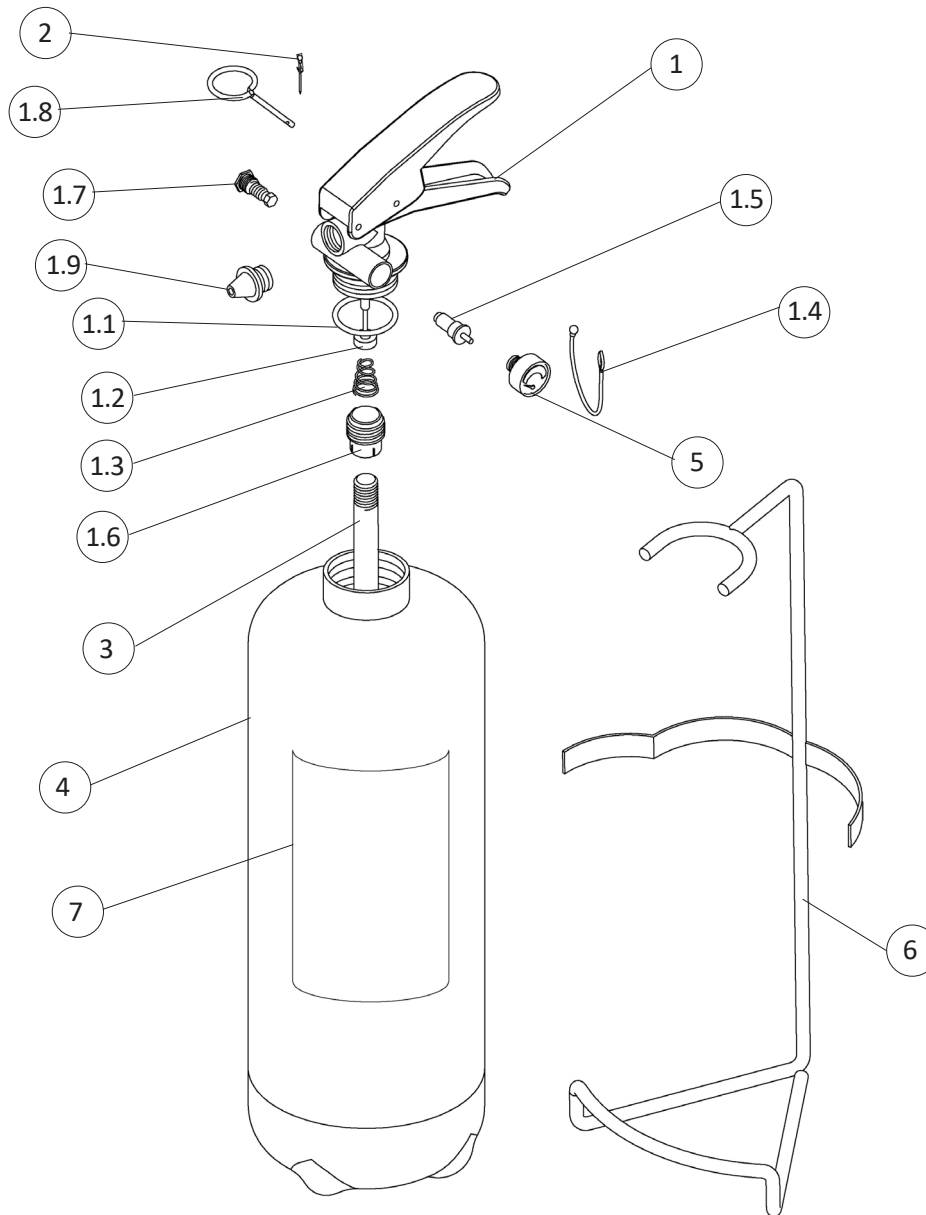


Table 1

NUM.	DESCRIPTION	NUM.	DESCRIPTION
1	Valve M. 30x1.5	1.9	Dispensing nozzle
1.1	O-ring valve	2	Safety pin seal (green)
1.2	Valve stem	3	PVC dip tube
1.3	Internal spring of the valve	4	Cylinder
1.4	Tamper seal (red)	5	Pressure gauge
1.5	Test valve for pressure gauge	6	Bracket
1.6	Dip tube holder	7	Label
1.7	Safety device		
1.8	Safety pin		

The spare part at number 1 includes already all others components indicated from 1.1 to 1.9  
 "n.a." mean that the component is not available as single spare part