

Use and Maintenance Technical Manual

BIOGENESIS



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

Portable Fire Extinguisher, 6 Kg ABC Powder



- **CYLINDER**
In high-strength alloy steel,
3 pieces drawing, external powder
painting Red Ral 3000.
- **EXTINGUISHING AGENT**
ABC Powder - MAP 20 %.
- **PROPELLANT**
Dehumidified air or nitrogen (N₂).
- **VALVE**
M. 30x1.5, lightweight aluminum
alloy AA6061 body, levers with
red painting Ral 3000.
- **USE**
A B C fire rating
(solid materials, flammable liquids,
flammable gas).

© REPRODUCTION IS PROHIBITED

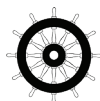
Note: image is for illustrative purpose only, the product purchased can has some difference

6 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 :**



34



233



✓

Portable Fire Extinguisher, 6 Kg ABC Powder

TECHNICAL SPECIFICATIONS

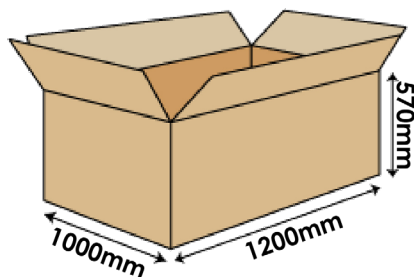
FIRE RATING	34 A 233 B C
EXTINGUISHING AGENT	ABC Powder - MAP 20 % EPW 18462 (ABC Favorit Tertia - Rühl)
PROPELLANT	Dehumidified air or Nitrogen (N ₂), 15 bar at 20°C
TEMPERATURE RANGE	-30°C / +60°C
NOMINAL CHARGE	6 Kg
FULL WEIGHT	~ 9,4 Kg
DIMENSIONS	Height (base - valve) 505 +/- 5 mm Diameter (cylinder) 160 +/- 2 mm
DISCHARGE TIME	~ 22 seconds
VALVE TIGHTENING TORQUE	Minimum 35 Nm, Maximum 55 Nm
CYLINDER PRESSURE TEST	PT 27 bar
CYLINDER VOLUME	7,3 L.
SAFETY DEVICE	Set between 22 and 27 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)

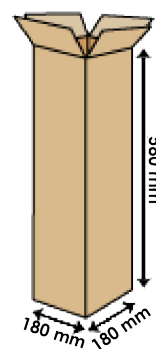
STANDARD

Maximum nr. 100 pieces for pallet
(44 pieces for box, max 2 boxes for pallet)
(12 pieces. single packaging)
Pallet dimensions 100x120x160(h) cm



ON REQUEST: SINGLE PACKAGING

- maximum 64 pieces on pallet 100x120
- maximum 48 pieces on pallet 80x120



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, 6 Kg ABC Powder

COMPONENTS AND SPARE PARTS LIST

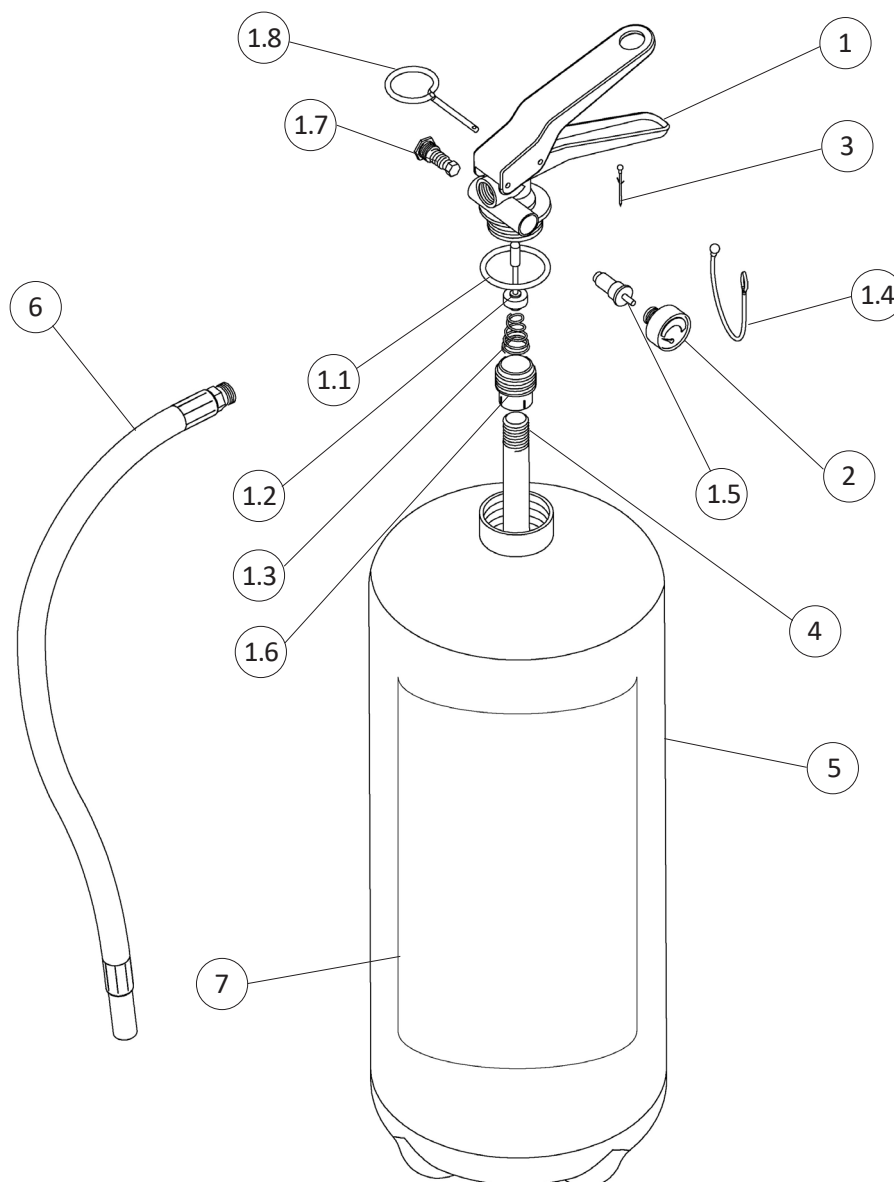


Table 1

NUM.	DESCRIPTION	
1	Valve M. 30x1.5	
1.1	O-ring valve	
1.2	Valve stem	
1.3	Internal spring of the valve	
1.4	Rubber link (red)	
1.5	Test valve for pressure gauge	
1.6	Dip tube holder	
1.7	Safety device	
1.8	Safety pin	
2	Pressure gauge	

NUM.	DESCRIPTION	
3	Safety pin seal (green)	
4	PVC dip tube	
5	Cylinder	
6	Hose	
7	Label	
OPTIONAL	Iron marine bracket red painting	
OPTIONAL	Stainless steel marine bracket	

The spare part at number 1 includes already all others components indicated from 1.1 to 1.8
"n.a." mean that the component is not available as single spare part