

Use and Maintenance Technical Manual

BIOGENESIS



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

Portable Fire Extinguisher, 6 L Foam

**TESTED SUCCESSFULLY ON
LITHIUM BATTERY WITH CAPACITY:**

36 v — 750 Wh — 20,1 Ah



DIELECTRIC
Suitable for use on fire involving electrical voltages up to 1.000 V, at a minimum distance of 1 meter.

CYLINDER

Stainless steel, 3 pieces drawing, external powder painting Red Ral 3000.

EXTINGUISHING AGENT

Water-based with foaming additives.

PROPELLANT

Dehumidified air or nitrogen (N₂).

VALVOLE

CPF M. 30x1.5, brass body, with anti-corrosion treatment.

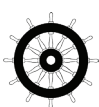
USE

Class A Fires (solid materials)
Class B Fires (flammable liquids)
Class F Fires (cooking oils)
Lithium-ion batteries

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

6 L foam fire extinguisher, temperature range from 0°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. Manufactured according at productions checks as agreed with **EN 3-10** Quality Product certification guaranteed by Bureau Veritas Italia.

APPROVED/CERTIFIED FIRE EXTINGUISHER:



MPA
Dresden

MTIC
INTERCERT



EN 3-10
Inspection Certificate
N° 55840/21/NMJ/nmj



**FIRE
RATING :**



27



233



40



750 Wh

Portable Fire Extinguisher, 6 L Foam

TECHNICAL SPECIFICATIONS

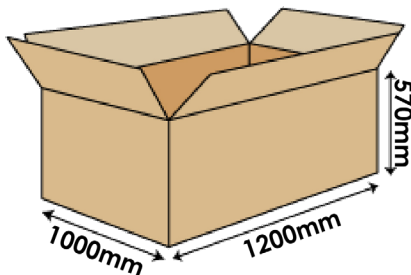
FIRE RATING	27 A 233 B 40 F
EXTINGUISHING AGENT	Foam EWAB15 (2 % SC-6 + 10 % Inilam AX + 88 % Water)
PROPELLANT	Dehumidified air or Nitrogen (N ₂), 15 bar at 20°C
TEMPERATURE RANGE	0°C / +60°C
NOMINAL CHARGE	6 Liters
FULL WEIGHT	~ 8,8 Kg
DIMENSIONS	Height (base - valve) 530 +/- 5 mm Diameter (cylinder) 160 +/- 2 mm
DISCHARGE TIME	~ 43,5 seconds
VALVE TIGHTENING TORQUE	Minimum 45 Nm, Maximum 68 Nm
CYLINDER PRESSURE TEST	PT 27 bar
CYLINDER VOLUME	7,8 L.
SAFETY DEVICE	Set between 20 and 24 bar
CYLINDER MATERIAL	Stainless steel
EXTERNAL /INTERNAL TREATMENT	Sandblast and powder painting, Red Ral 3000 colour

PACKAGING

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

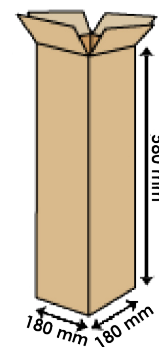
STANDARD

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



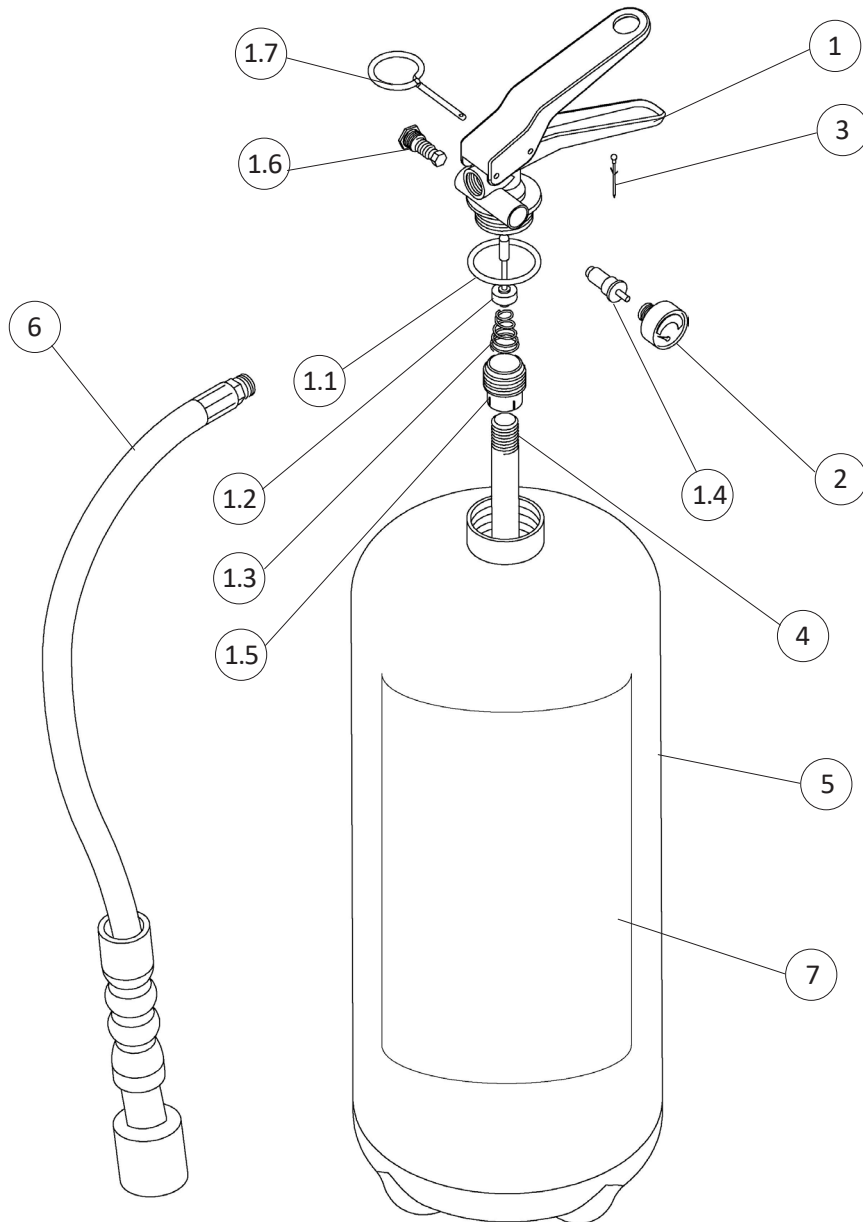
TRANSPORT DISPOSAL

Land transport : Exemption for the purposes of ADR disposal 594

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

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COMPONENTS AND SPARE PARTS LIST



Prospetto 1

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

NUM.	DESCRIZIONE	
4	PVC dip tube	
5	Cylinder	
6	Hose with dispensing nozzle	
7	Label	
OPTIONAL	Iron marine bracket red painting	
OPTIONAL	Stainless steel marine bracket	
	Foam refill (6 L. bottle, ready to use)	

The spare part at number 1 includes already all others components indicated from 1.1 to 1.7