

# Use and Maintenance Technical Manual

# BIOGENESIS



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

## Portable Fire Extinguisher, 2 L Foam



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

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

2 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)**, 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 minimum distance of 1 meter.

APPROVED/CERTIFIED FIRE EXTINGUISHER:



For MED 2014/90/UE version:  
cod. 27021



**FIRE RATING :**



13



55



25

# Portable Fire Extinguisher, 2 L Foam

## TECHNICAL SPECIFICATIONS

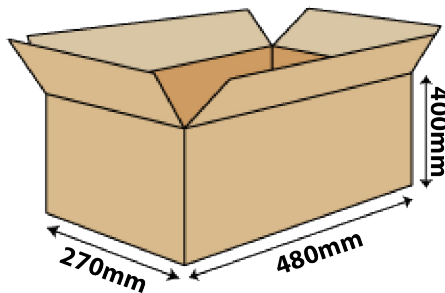
|                              |   |
|------------------------------|---|
| FIRE RATING                  | 13 A 55 B 25 F  |
| EXTINGUISHING AGENT          | Foam EWAB15<br>(2 % SC-6 + 10 % Inilam AX + 88 % water)                 |
| PROPELLANT                   | Dehumidified air or Nitrogen (N <sub>2</sub> ), 15 bar at 20°C          |
| TEMPERATURE RANGE            | 0°C / +60°C   |
| NOMINAL CHARGE               | 2 Liters  |
| FULL WEIGHT                  | ~ 3,9 Kg (with bracket)   |
| DIMENSIONS                   | Height (base - valve) 370 +/- 5 mm<br>Diameter (cylinder) 110 +/- 2 mm  |
| DISCHARGE TIME               | ~ 10,5 seconds  |
| VALVE TIGHTENING TORQUE      | Minimum 45 Nm, Maximum 68 Nm  |
| CYLINDER PRESSURE TEST       | PT 27 bar   |
| CYLINDER VOLUME              | 2,4 L.  |
| SAFETY DEVICE                | Set between 20 and 26 bar   |
| CYLINDER MATERIAL            | Alloy steel   |
| EXTERNAL /INTERNAL TREATMENT | Sandblast and powder painting,<br>Red Ral 3000 colour / Plastic coating |

## PACKAGING

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

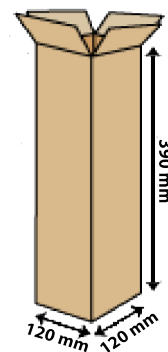
### **STANDARD**

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 L Foam

## COMPONENTS AND SPARE PARTS LIST

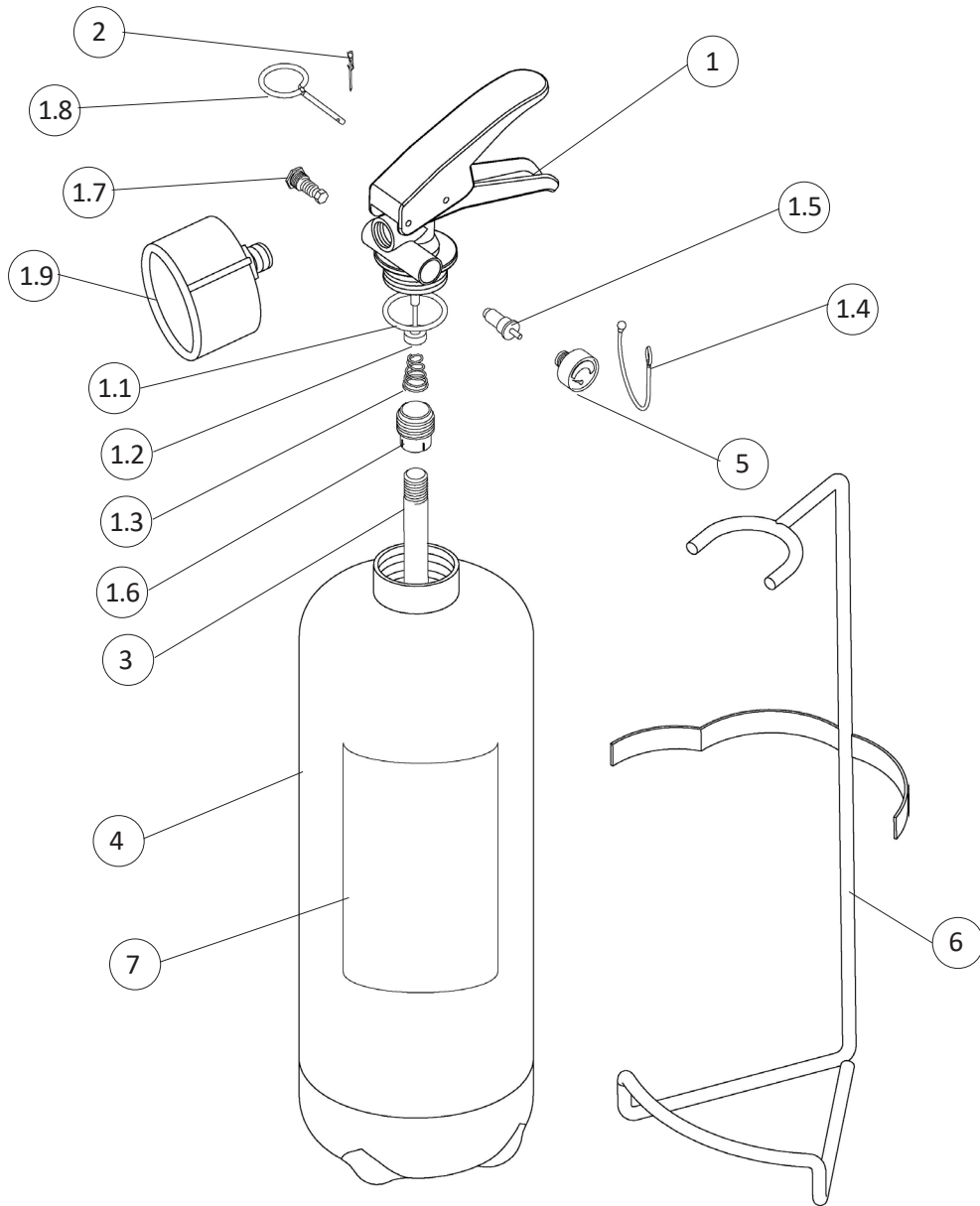


Table 1

| NUM. | DESCRIPTION                   | NUM. | DESCRIPTION                 |
|------|-------------------------------|------|-----------------------------|
| 1    | Valve M. 30x1.5               | 1.9  | Dispensing horn             |
| 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                 |      | Foam refill                 |
| 1.8  | Safety pin                    |      | (1 L. bottle, ready to use) |

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