

# Technical Manual



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## 21095-4 : Portable Fire Extinguisher, 9 Kg ABC Powder



CLIP DETAIL

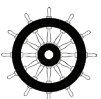


- **CYLINDER**  
In high-strength alloy steel, 3 pieces drawing, with clip, external powder painting Red Ral 3000.
- **EXTINGUISHING AGENT**  
ABC Powder - MAP 20%.
- **PROPELLANT**  
Dehumidified air or nitrogen ( $N_2$ ).
- **VALVE**  
M. 30x1.5, brass body, levers with red painting Ral 3000.
- **USE**  
A B C fire rating  
(solid materials, flammable liquids, flammable gas).

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

9 Kg powder fire extinguisher, temperature range from  $-30^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ , 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. Suitable for use on fire involving electrical voltages up to 1'000 V, at a minimum distance of 1 meter.

APPROVED/CERTIFIED FIRE EXTINGUISHER:



MPA  
Dresden



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



FIRE  
RATING :



55



233



✓

REPRODUCTION IS PROHIBITED

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## • INSTALLATION

The installation must be carried out in accordance with the provisions in force in the country where the device is used.

## • USE

The commissioning and maintenance activities for maintaining efficiency must be

## • MAINTENANCE

carried out in accordance with the document **EPP\_1\_ENG** by qualified technical personnel and in compliance with the regulations in force in the country of use.

Any tampering or intervention carried out by unqualified personnel will void the product warranty.

It is recommended to place the device in a dry place protected from atmospheric agents.

## TECHNICAL SPECIFICATIONS

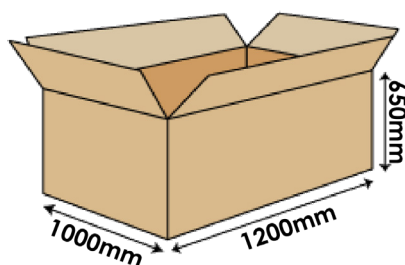
|                        |                                                                        |
|------------------------|------------------------------------------------------------------------|
| FIRE RATING            | 55 A 233 B C                                                           |
| EXTINGUISHING AGENT    | ABC powder - MAP 20 %<br>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         | 9 Kg                                                                   |
| FULL WEIGHT            | ~ 14,0 Kg                                                              |
| DIMENSIONS             | Height (base - valve) 635 +/- 5 mm<br>Diameter (cylinder) 170 +/- 2 mm |
| DISCHARGE TIME         | ~ 23 seconds                                                           |
| CYLINDER PRESSURE TEST | PT 27 bar                                                              |
| CYLINDER VOLUME        | 10,7 Liters                                                            |
| SAFETY DEVICE          | Set between 20 and 26 bar                                              |
| CYLINDER MATERIAL      | Steel alloy                                                            |
| TREATMENT              | Outside: Sandblast and powder painting, Ral 3000                       |

## PACKAGING

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

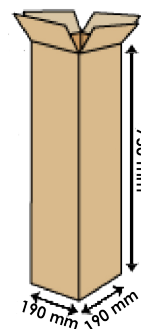
### STANDARD

Maximum nr. 40 pieces for pallet  
(40 pieces for box, max 1 box for pallet)  
Pallet dimensions 100x120x80(h) cm



### ON REQUEST: SINGLE PACKAGING

- maximum 40 pieces on pallet 100x120



## TRANSPORT DISPOSAL

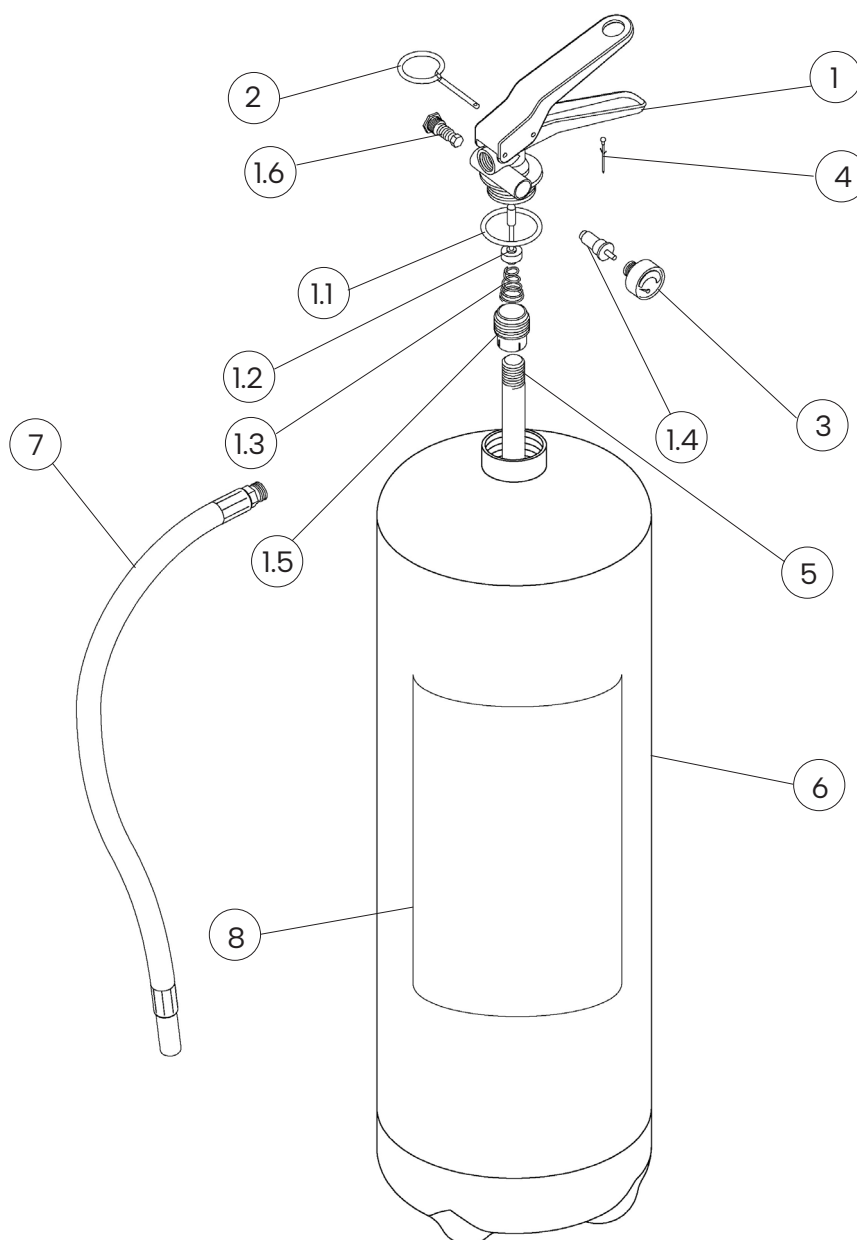
Land transport : Exemption for the purposes of ADR disposal 594

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

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## COMPONENTS AND SPARE PARTS LIST



| NUM. | DESCRIPTION                   | CODE   |
|------|-------------------------------|--------|
| 1    | Valvola M. 30x1.5             | 0212   |
| 1.1  | O-ring valve                  | 0201R  |
| 1.2  | Valve stem                    | 0242R  |
| 1.3  | Internal spring of the valve  | 0251R  |
| 1.4  | Test valve for pressure gauge | 1163   |
| 1.5  | Dip tube holder               | 0253R  |
| 1.6  | Safety device                 | 0261R  |
| 2    | Safety pin                    | 0282-1 |
| 3    | Pressure gauge                | 0271-1 |

| NUM.     | DESCRIPTION                                          | CODE   |
|----------|------------------------------------------------------|--------|
| 4        | Safety pin seal                                      | 0285   |
| 5        | PVC dip tube                                         | 0155-1 |
| 6        | Cylinder                                             | 0105-7 |
| 7        | Hose                                                 | 0292-4 |
| 8        | Label                                                | 0057-4 |
| OPTIONAL | Iron marine bracket red painting                     | 0318-1 |
| OPTIONAL | Wall-mounted bracket for fire extinguisher with clip | 3036   |

*The spare part at number 1 includes already all others components indicated from 1.1 to 1.6*

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