

# Technical Manual



SAFETY  
FOR  
FUTURE



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## 18118 - Piemonte 18221 : Wheeled Fire Extinguisher, 100 Kg ABC Powder



- **CYLINDER**  
In high-strength alloy steel, external powder painting Red Ral 3000.
- **EXTINGUISHING AGENT**  
ABC powder - Map 40% .
- **PROPELLANT**  
Dehumidified air or Nitrogen (N<sub>2</sub>) .
- **VALVE**  
2"-F , brass body, lever with red painting Ral 3000.
- **USE**  
A B C fire rating  
(solid materials, flammable liquids, flammable gas.
- **BRACKET**  
Chassis on wheels, welded at the cylinder, red painting Ral 3000.

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

100 Kg powder wheeled fire extinguisher, temperature range from -30°C to +60°C, manufactured in accordance to **UNI EN 1866-1 (D.M. 6.3.92)**, 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 m.

APPROVED/CERTIFIED FIRE EXTINGUISHER:



For MED 2014/90/EU version:  
cod. 16118



**FIRE  
RATING :**



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. The commissioning and maintenance activities for maintaining efficiency must be carried out in accordance with the document **CPP\_I\_ENG** by qualified
- **USE**
- **MAINTENANCE** 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.

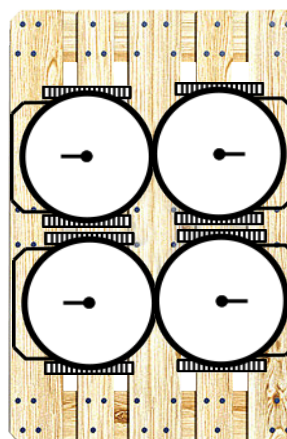
## TECHNICAL SPECIFICATIONS

FIRE RATING	A IV B C
EXTINGUISHING AGENT	ABC powder – MAP 40 % EPB 0351 (QFIRE 40 – Química 21, S.L.)
PROPELLANT	Dehumidified air or Nitrogen (N <sub>2</sub> ), 15 bar at 20 °C
TEMPERATURE RANGE	-30°C / +60°C
NOMINAL CHARGE	100 Kg
FULL WEIGHT	~ 146 Kg
DIMENSIONS	Height 1265 +/- 10 mm; Width 560 +/- 10 mm Depth 540 +/- 15 mm
DISCHARGE TIME	~ 61,9 seconds
CYLINDER PRESSURE TEST	PT 30 bar
CYLINDER VOLUME	102 Liters
SAFETY DEVICE	Set between 21 and 26 bar
CYLINDER MATERIAL	Alloy steel
TREATMENT	Outside : Sandblast and powder painting Ral 3000

## PACKAGING

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

STANDARD  
Maximum nr. 4 pieces for pallet  
Pallet dimensions 100x120x145(h) cm

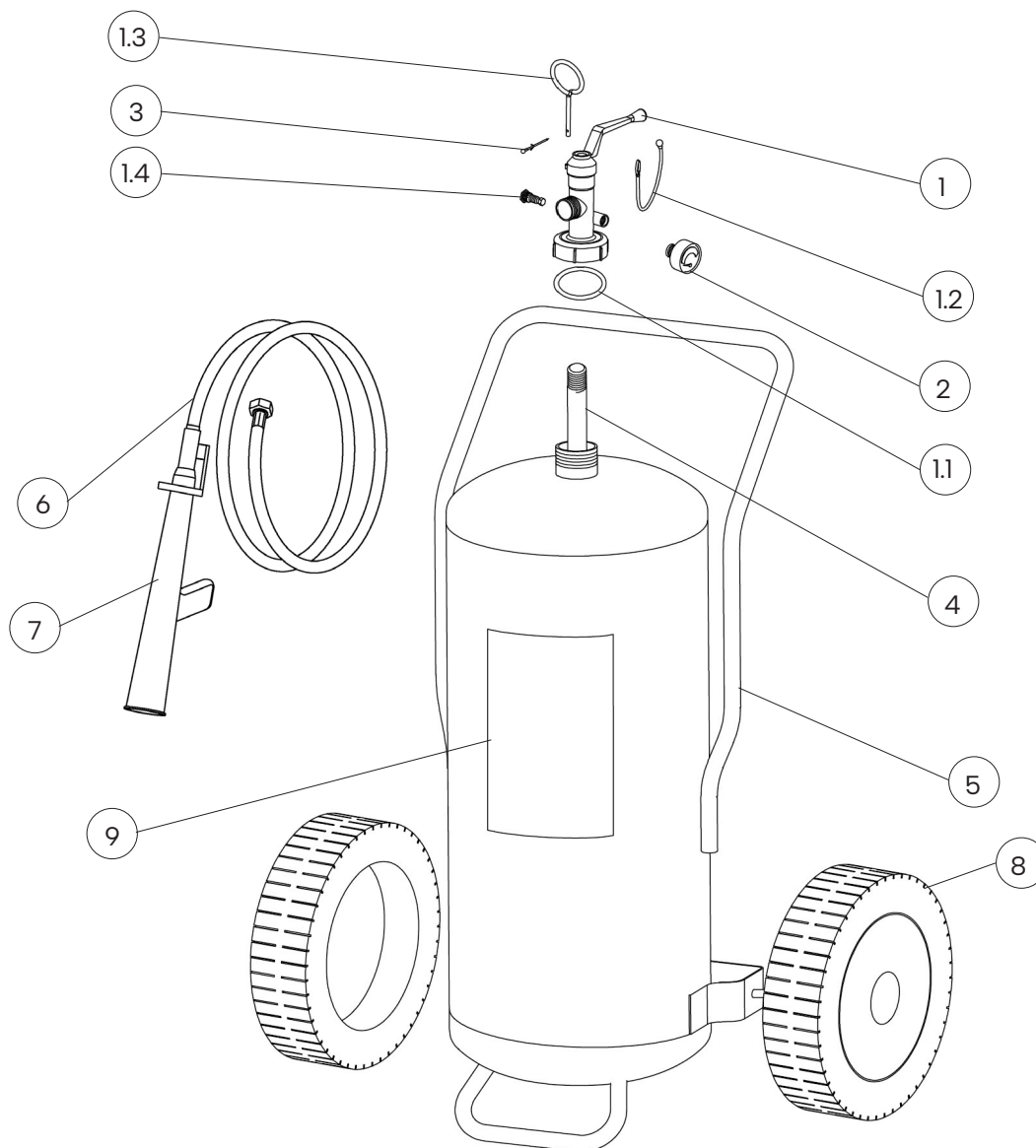


## TRANSPORT DISPOSAL

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	Valve 2"-F	0214R
1.1	O-ring valve	0203
1.2	Tamper seal	0286
1.3	Safety pin	0283R
1.4	Safety device	0263R
2	Pressure gauge	0271-1
3	Safety pin seal	0285
4	PVC dip tube	0165
5	Cylinder	18311

NUM.	DESCRIPTION	CODE
6	Hose	18422
7	Dispensing lance (complete of ball valve with control lever)	2181-1
8	Wheel (diam. 400mm)	0125
	Thick washer	2148-10
	Cotter pin stop wheel	9443
9	Label 18118	18361
	Label 16118	18361M

*The spare part at number 1 includes already all others components from 1.1 to 1.4*

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