

# Carbon Dioxide Fire Extinguisher kg 2 Marine approved by CSI certified MED nr. MED/0497/087/09 DD 03/02/2009

## Description

Manufactured according to Directive 96/98/EC (MED) with modules B and D they have also achieved all the essential safety requirements of Directive 97/23/EC. It is EN3 approved, and succeeded the dielectric test at 35 KV at 1 mt distance, therefore it can be used on electrical equipment up to 1000 Volt at 1 mt distance minimum.

## Cylinder

The design cylinder is manufactured according to EN1964-1 or directive 84/525/EEC and the Pressure Equipment Directive 97/23/EC (PED) and "CE marked".

The cylinder is designed with maximum allowable pressure PS 174 bar at 60°C.

Each cylinder is leakages tested moreover hydraulic tested up to 250bar.

Before painting it is clean with phosphate process assuring a clean surface for a correct grasp of the epoxy coating red RAL 3000.

## Valve squeeze lever

The design valve is manufactured according to the EN3 and the material is brass made supplied with safety valve. A green safety seal on the valve improves the optical checking and integrity from far distance.

## Discharge horn

The discharge horn is made in dielectric polypropylene. Inside there is a brass nozzle. This device acts the transformation in gas of the extinguishing agent so the jet can promptly extinguish the fire

## Extinguishing agent

Carbon dioxide is a odourless and colour less gas. It weigh about 1.5 times the air; it does not wet, dirty and it does not damage objects. The CO2 used in the extinguishers is 99% pure and it is moisture-less. CO2 is compressed in liquid phase inside the high pressure cylinder. In normal conditions at 20°C, the pressure inside the cylinder is about 55-60 bar and 1 Kg of liquid CO2 produces approx 520 litres of vapour gas.

## Use

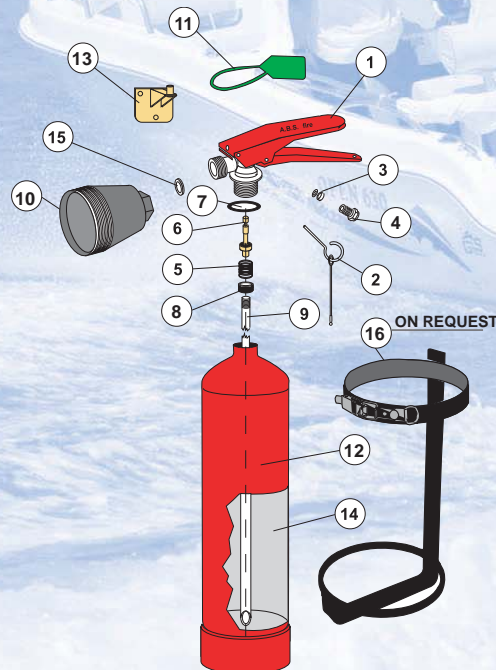
- 1) Pick up the extinguisher from the wall hanger and keep it in hand at the inferior leverage
  - 2) Pull out the safety pin (2) from the valve
  - 3) Squeeze the upper lever of the valve (1) and aim the jet at the base of the burning material, sweep the extinguishing agent right and left uniformly on the fire.
- In case of fire of inflammable liquids don't approach too much. You need trained people to use properly.

## Maintenance and Guarantee

Maintenance must be made periodically by trained and certified staff, according to the local regulations of the country where it is located, anyway at least every 12 months. The extinguisher is guaranteed for 12 months from the date of the supply. The guarantee includes, repairing or replacement, as manufacturer option. Unit must be sent back to the factory free of charge, only when authorized written agreement with our sales office has been reached. The guarantee expires in case of tampering and bad maintenance made by not-authorized staff, or transport damages. It must be recharged only by staff authorized and certified by a.b.s. S.r.l., use only genuine original spare parts.

## Spare part list

Pos.	Description	Code
1	Complete valve brass	: 21804_1
2	Safety pin brass or stainless steel	: 21018
3	Safety disc	: 21020
4	Safety nut	: 21098
5	Spring stainless steel	: 21019/S
6	Spindle brass	: 21024
7	Valve's o-ring	: 21086
8	Spring lock ring	: 21819/N
9	Siphon light alloy	: 21701
10	Discharge horn plastic	: 21030
11	Safety seal plastic	: 28019
12	Cylinder 34 CrMo4 (3 lt)	: 21103
13(*)	Standard wallbracket (on valve)	: 21009
14	Carbon Dioxide	: 32001
15	Gasket	: 21037
16	Marine bracket steel painted (on request)	: 20061



(\*) The standard bracket 21001 is suggested for land use, Marine braket is sold separately, many types available.

## Class of fire



## Technical specifications

Extinguishing agent	: Carbon dioxide
Nominal charge	: 2 Kg
Discharge time ~	: 6.5 sec
Jet length ~	: 3 m
Operating pressure	: 51.7 bar at 20°C
Test pressure 97/23/EC	: 250 bar
Temperature range	: -30°C +60°C
<b>Dimensions</b>	
Height ~	: 560 mm
Width ~	: 245 mm
Diameter	: 105 mm
Weight ~	: 6.5 kg

