



Carbon Dioxide Fire Extinguisher kg 5 Class of fire 113B

EN3 conformity certificate nr. 4058-2005 EC Approved Certificate: CE-1370-PED-H-ABS001-09-ITA



Flammable liquids,
gasoline, oil etc.

Cylinder

The cylinder has successfully achieved all the essential requirements according to the Pressure Equipment Directive 97/23/EC (PED).

The cylinder is designed at a nominal pressure of 60 bars at 20°C and at a pressure of 148 bars at 60°C (maximum allowable pressure PS).

The cylinder is made in Aluminium and all the cylinders are hydraulic tested up to 212 bar.

The cylinder is deeply sand blasted with metallic sand and painted with epoxy-polyester powder (the body and the ogive are in Red color Ral 3000) resistant to the atmospheric agents and to the ultraviolet rays.

Valve M25x2 squeeze lever

The design valve is manufactured according to the EN3 part. 3.3.8.2. and the material is brass made (ST-CW617N - EN 12420), and it has exceeded the essential requirements of directive 97/23/EC; it is equipped with a safety device tuned at 185 ±15 bars.

A green safety seal is put on the valve to improve the optical check of it from far.

On the valve is mounted an aluminium deep tube, and not in pvc which is not suitable for CO2 gas.

Discharge horn

The discharge horn is made in dielectric polypropylene. Inside there is a special diffuser nozzle.

This device act the transformation in gas of the extinguishing agent, so the jet can promptly extinguish the fire. The horn special design gives superb brilliant high performance, insulated handle protect skin from frost.

Extinguishing agent

Carbon dioxide is a odourless and color 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 vapor gas.

Discharge hose

Rubber SBS hose reinforced with steel wire connected to a discharge horn with brass nozzle.

Its length allow you to act at a safety distance from the fire.



It may used
on fires with
live electricity



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Use

- 1) Pick up the extinguisher from the wall bracket
- 2) Pull out the safety pin (2) hold the the horn (16) with one hand, and the valve with a second hand.
- 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 For fires inflammable liquids don't approach too much. In some country training is requested to use extinguishers. This extinguisher can be used on the fire class B and also on electrical equipment up to 1000 Volt at 1 m distance minimum. The extinguisher reaches good result also with beginning fire rates A. Although it is excellent against class C gas fires, recent standards do not allow test in class C suggesting shut off of valve gas source to avoid explosion risks.

In laboratory the extinguisher succeeded the dielectric test at 35 KV at 1 m distance.

Maintenance

Inspect monthly total weight, if it has decreased 10% or more proceed for refilling.

Check obstructions into the horn and into the hose; if any, clean them with compressed air.

Check if pin and seal are intact.

Cylinder body must be tested at 250 bar every 10 years. Even after partial use the fire extinguisher must be refilled. The extinguisher must be tested and serviced according to the local regulations.



Technical specifications

Extinguishing agent : **Carbon dioxide**
 Propellant : **Carbon dioxide**
 Nominal charge : **5 kg**
 Discharge time ~ : **12 s**
 Jet length : **3.5 m**
 Operating pressure : **60 bar at 20°C**

Test pressure according 97/23/EC ... : **250 bar**
 Temperature range : **-30°C +60°C**
 Height ~ : **720 mm**
 Width ~ : **525 mm**
 Diameter ~ : **152 mm**
 Weight ~ : **12,5 kg**

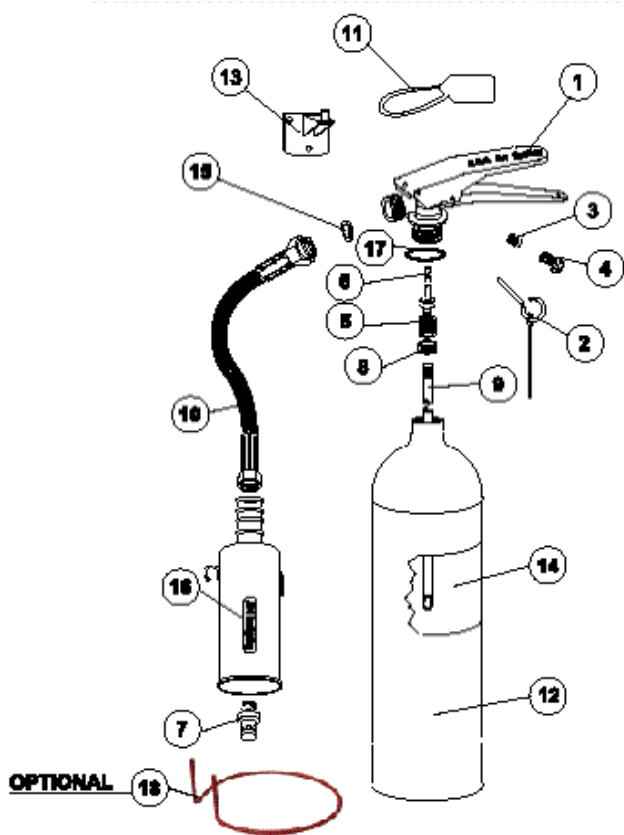


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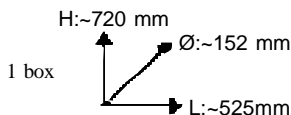
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Spare part list



Pos.	Description	Code	Q.ty
1	Complete valve brass	21819	1
2	Safety pin	21018	1
3	Safety disc	21020	1
4	Safety nut	21098	1
5	Spring	21019/S	1
6	Spindle	21024	1
7	Nozzle	20010	1
8	Spring lock ring	21819/A	1
9	Siphon alum. light alloy	21702	1
10	Discharge hose	21633	1
11	Safety seal	28019	1
12	Cylinder Aluminium (7.5 lt)	21208	1
13	Extinguisher bracket steel	21001	1
14	Carbon Dioxide	32001	5 kg
15	Gasket	21036	1
16	Discharge horn	21029	1
17	Oring of valve	21086	1
18	Metal ring steel (optional)	20000	1

Transport Information:
 Complete fire extinguisher
 UN 1044 class 2 containing carbon dioxide UN1013 class 2



1 box

1 box



~ 12,5kg



100x120x180
 Europallet x 50 pcs

The use of non original spare parts may cause malfunctions loss

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. 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.



Technical data are subject to modification for improvements without prior notice

Data Sheet	Code	Date	Check	Rev	Pag.
Fire Extinguisher	13252	21/10/11		2/AS	2/2