

Carbon Dioxide Fire Extinguisher kg 2 Class of fire 34B

EN3 conformity certificate nr. **4057-2005** EC Approved Certificate: **CE-1370-PED-H-ABS001-09-ITA**



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Flammable liquids,
gasoline, oil etc.

Cylinder, CE marked PED 97/23/EC

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 bar at 60°C (maximum allowable pressure PS).

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

All the cylinders are CE marked according to dir. 97/23/CE. The quality of the fire extinguisher is guaranteed because the suppliers of the components are certified according ISO 9000 and they give us all the declarations of conformity.

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, and it has exceeded the essential requirements of directive 97/23/EC; it is equipped with a safety device tuned at 215±15bars.

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

On the valve is mounted a deep tube.

Discharge horn

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

This device act the transformation in gas of the extinguishing agent, so the jet can promptly extinguish the fire.

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 vapour gas.



It may used
on fires with
live electricity



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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, keep yourself at a safety distance according to the local regulations.

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 and C.

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

Technical specifications

Extinguishing agent: **Carbon dioxide**
 Propellant: **Carbon dioxide**
 Nominal charge: **2 kg**
 Discharge time ~: **8 s**
 Jet length: **3 m**
 Operating pressure: **60 bar at 20°C**
 Test pressure according 97/23/EC: **212 bar**

Temperature range: **-30°C +60°C**

Dimensions

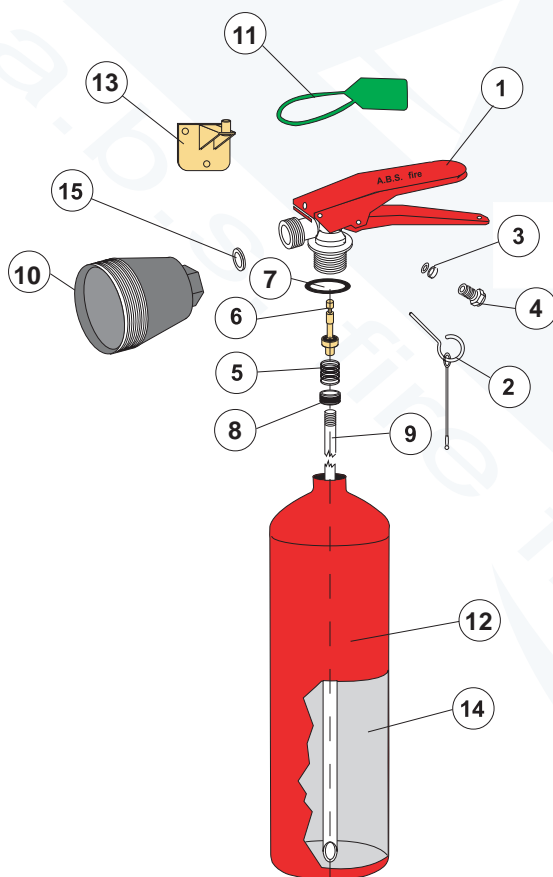
Height ~: **535 mm**
 Width ~: **245 mm**
 Diameter ~: **111 mm**
 Weight ~: **5 kg**



EN3/7



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Spare part list

Pos.	Description	Code	Q.ty
1	Complete valve	21819	1
2	Safety pin	21089	1
3	Safety disc	21020	1
4	Safety nut	21098	1
5	Spring stainless	21024/S	1
6	Spindle	21024	1
7	Oring of valve	21086	1
8	Siphon nut	21024/N	1
9	Siphon light alloy	21701	1
10	Discharge horn	21030	1
11	Safety seal	28019	1
12	Cylinder Aluminium (3 lt)	21105	1
13	Extinguisher bracket	21009	1
14	Carbon Dioxide	32001	2 kg
15	Gasket	21037	1

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.