

# Powder Fire Extinguisher kg 4 Class of fire 27A 183B C

EN3 conformity certificate nr. **1035-2006** EC Approved Certificate: **CE-1370-PED-H-ABS001-09-ITA**



**27**

Organic solid materials,  
wood rubber, textiles etc.



**183**

Flammable liquids,  
gasoline, oil etc.



Flammable gases,  
methane, propane.

## Cylinder, CE marked PED 97/23/EC

The design cylinder is manufactured according to the Pressure Equipment Directive 97/23/EC (PED) and "CE marked"; the welding process and the welders' qualification is made according to the EN 288 and EN 1418.

Tests are made according to the EN3 and EN 3-3 which require for each batch bursting and crush test etc.

The cylinder is designed to work from -30°C to +60°C.

The cylinder is manufactured in 2 pieces with two domes (upper and lower) steel type DC01 and the neck gear steel type S235J2G3.

The cylinder is welded by means of a MIG machine with electronic control of: speed, flow of the gas mixture, voltage and amperage.

All these controlled parameters, guarantee quality and uniformity of the welding, the steel is supplied with chemical and mechanical certificate 3.1. EN 10204.

Each cylinder is "CE" marked according to directive 97/23/EC.

Each cylinder is leakages tested moreover hydraulic tested up to 26-bar for thirty seconds.

Before painting it is cleaned with a deep sand blasting assuring a raw surface for a perfect and strong grasp of the epoxy polyester powder coating red RAL 3000 u.v.

## Valve M30x1,5 squeeze lever

The valve is made in brass (STCW617N) and it passed all the requirements of the directive 97/23/EC.

With safety valve and complete with a green safety seal to improve the optical check from far.

Only a simple glance is enough to check if the extinguisher has been tampered.

## Pressure gauge

Pressure gauge is brass, the thread is M10x1 with o-ring for easy unscrew to check the real internal pressure any time without need of tools.

If the indicator is in the green field, the extinguisher is ready to be used. If the indicator is in the red field, call immediately the authorized service staff.

## Discharge hose

Equipped with a highly flexible hose made in EPDM rubber with an excellent resistance manufactured from selected synthetic materials complete with brass discharge nozzle.

## Extinguishing agent

Our partners are prestigious companies such us Caldic Furex and Total (Germany), Rull Chemie, certified ISO 9001 with superior quality raw materials, with strict control.



It may used  
on fires with  
live electricity



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The basic components of dry powder are ammonium phosphate and ammonium sulphate with special silicones additives enabling easy flow discharge and avoiding any caking process.

Dry powder is not corrosive, not abrasive, not toxic for humans and animals.

Note: for refilling is not suggested to use other kind of powder. NEVER MIX WITH OTHER KIND.

## Use

- 1) Pick up the extinguisher from the wall support and keep it in hand at the inferior leverage
- 2) Pull out the safety pin (2) from the valve and keep in the other hand the hose (12) near the nozzle
- 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.

This extinguisher can be used on all the types of fire classes A B C and also on electrical equipment up to 1000 Volt at 1 m distance minimum. In laboratory the extinguisher succeeded the dielectric test at 35 KV at 1 mt distance.

**Technical specifications**

Extinguishing agent.....: powder ABC 40  
 Propellant.....: nitrogen or dry air  
 Nominal charge.....: 4 Kg  
 Discharge time ~.....: 16 sec  
 Jet length ~.....: 6 m  
 Operating pressure.....: 14 bar at 20°C  
 Test pressure according 97/23/EC.....: 26 bar

Burst pressure.....: >55 bar  
 Temperature range.....: -30°C +60°C

**Dimensions**

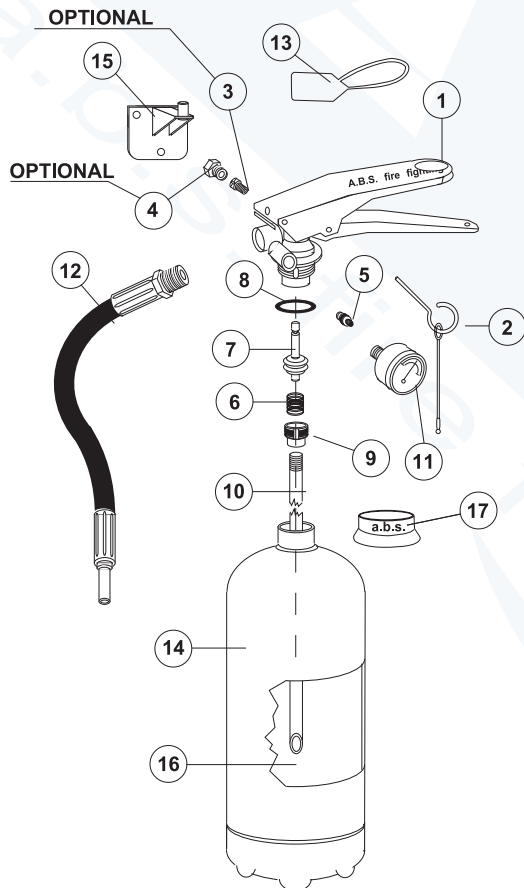
Height ~.....: **485 mm**  
 Width ~.....: **140 mm**  
 Diameter ~.....: **140 mm**  
 Weight ~.....: **6.8 kg**



EN3/7



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**Spare part list**

| Pos. | Description                   | Code  | Q.ty |
|------|-------------------------------|-------|------|
| 1    | Complete valve                | 21821 | 1    |
| 2    | Safety pin                    | 21018 | 1    |
| 3    | Safety valve (optional)       | 21083 | 1    |
| 4    | Safety nut (optional)         | 21019 | 1    |
| 5    | Check valve                   | 21025 | 1    |
| 6    | Spring                        | 21094 | 1    |
| 7    | Spindle                       | 21060 | 1    |
| 8    | O-ring valve                  | 21044 | 1    |
| 9    | Siphon nut                    | 21095 | 1    |
| 10   | Siphon tube PVC               | 21738 | 1    |
| 11   | Pressure gauge Ø 23           | 21511 | 1    |
| 12   | Discharge hose                | 21654 | 1    |
| 13   | Safety seal                   | 28019 | 1    |
| 14   | Cylinder (5 lt)               | 27404 | 1    |
| 15   | Extinguisher bracket          | 21001 | 1    |
| 16   | Powder ABC 40                 | 31240 | 4 kg |
| 17   | Plastic collar neck ring head | 21125 | 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.