

# ABC POWDER

**P50P**  
**ABC POWDER**



## PROPERTIES

### Physical and chemical properties

Fluid (resistance to clotting), non-toxic, neutral (no abrasion or corrosion), withstands external conditions (humidity, temperature, frost), high flame penetration capacity, may be used in the presence of an electrical source.

### Extinguishing mechanism

Multi-purpose ABC powder acts:

- on flames, by negative catalysis
- on embers, by cooling and forming a layer of heat-insulating and fireproof "varnish" which coats the fire, preventing it from re-igniting.

When sprayed, ABC powder forms an insulating screen which protects the user from heat radiation.

### Incompatibility

Mono-ammonia phosphate-based ABC powder is strictly incompatible with BC powder, a derivative of sodium bicarbonate. Never use either of these powders to refill an extinguisher which has contained the other product.

## EFFICIENCY

### Class A, B or C

The multi-purpose nature of ABC powder is thus perfectly suited to all risks. For solid material fires (class A), it replaces conventional water-based products which may be unsuitable if electrical currents are present. For liquid, liquefiable solid and gas fires, it acts in the same conditions as BC powder and is ideally suited for industrial hazards.

### Class ABC

These complex fires, containing all three types of combustible materials, often combined with an electrical power source, are in practice extremely common. It is therefore safer and more cost-effective not to have different extinguishers for each type of fire. The multi-purpose nature of ABC powder is thus perfectly suited to all risks.

## EASY TO USE

### Use

The P50P is a compact, mobile extinguisher which can quickly be put to use at the danger zone.

### Operation

Once the safety pin has been removed, raise the lever on the auxiliary bottle to pressurise the device. The flow rate is controlled by the tap on the spray nozzle assembly. The fact that it is so simple to use means that risks of incorrect use are greatly reduced.

### Pressurisation during use

Opening the tap of the external auxiliary bottle releases the propellant (CO<sub>2</sub>), pressurises the body and thus causes the powder to be discharged. The bottle is interchangeable and its level can be checked accurately by weighing, meaning that the extinguisher can be refilled on site, without having to send it back to the factory. Both preventive and corrective maintenance can therefore be carried out in optimum conditions.

## TECHNICAL PROPERTIES

This extinguisher was designed using highly reliable materials and the latest anti-corrosion protection technologies in order to be ideally suited to industrial environment requirements.

It certified European standard EN 1866



P50P extinguisher

01-21.1504

## P50P ABC POWDER

### CHARACTERISTICS

#### BODY

Self-supporting high quality sheet steel body, comprising a barrel and two dishes, axle shafts, two wheels and a stop plug. Surface finished by external shot blasting after hydraulic test.

**External protection:** red polyester-epoxy coating polymerised at 200°C.

#### OPERATING DEVICE

External bottle with a striking handle, fitted with a lead-sealed safety pin preventing untimely use.

#### DELIVERY DEVICE

Set formed of a 5 metre hose with anti-bend spring and self-closing powder nozzle. A sealing disc prevents humidity affecting the powder.

#### EXTINGUISHING AGENT

ABC powder - 50 kg.

#### PROPELLANT GAS

CO<sub>2</sub>, 0.9 kg bottle.

#### TEMPERATURE FOR USE

-30°C to +60°C.

#### DIMENSIONS AND WEIGHT

Height : 1025 mm - Width : 505 mm - Depth : 545 mm. Weight : 96 kg.

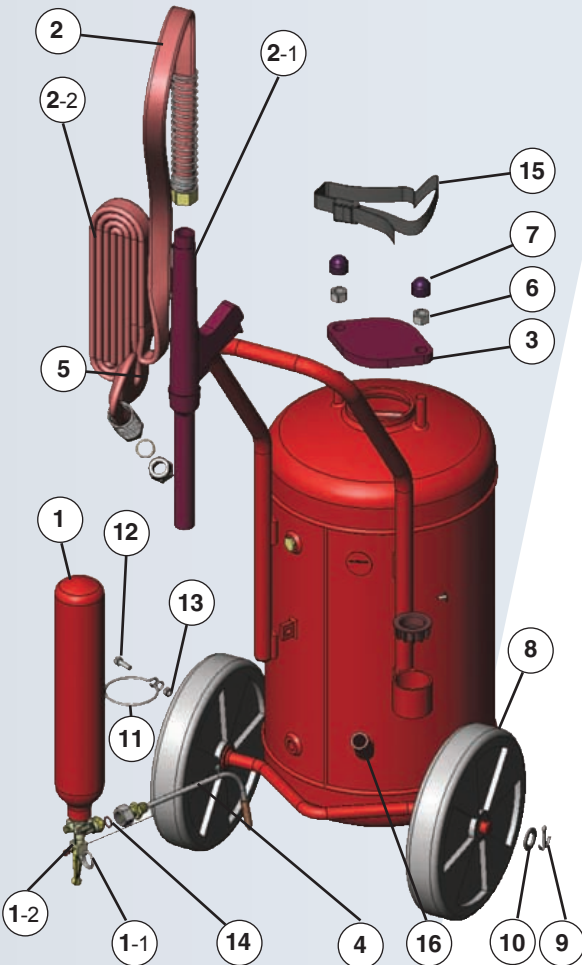
Packaging : 1180 x 600 x 600 mm - Weight : 103 kg.

#### TYPE APPROVAL

- CE.PED.B.UDM.024.02.FRA
- CNMIS usage permit EP 50 184 535.

#### PERFORMANCE ON STANDARD FIRES

- Class A.
- Class B - IVB
- Class C.

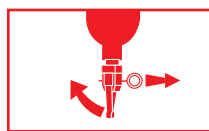


Ref.	Code	Description
1	03-06.230	0,9 kg CO <sub>2</sub> bottle with lever
1-1	03-11.751	Safety pin ø 4
1-2	03-06.9242	Lead seals - bag of 90
2	03-07.450	Nozzle with hose equipped
2-1	03-12.460	Nozzle
2-2	03-08.922	Hose equipped
3	03-06.152	Plug with seal
	03-12.261	Seal for plug
4	03-08.756	Unclogging tube
5	03-07.689	Sealing disc
6	03-31.570	HM 16 nut
7	03-10.831	Nut protection cover
8	03-13.561	Wheel ø 300
9	03-31.710	V5 x 40 pin
10	03-31.947	M 20 zinc-plated washer
11	03-11.040	Clamp for CO <sub>2</sub> bottle
12	03-32.541	HM 8 stainless steel screw - 316 L
13	03-31.541	HM 8 stainless steel nut
14	03-12.410	Fibre seal
15	03-13.624	Hose strap
16	03-13.198	Plunger reducing fitting
	03-05.012	"CO <sub>2</sub> " sticker
	02-20.325	25 kg supply of ABC powder (x 4)
	03-06.074	"Operating instructions" sticker

### INSTRUCTIONS FOR USE



1- Unfasten the hose



2- Pull out the safety pin and press the tap lever down firmly



3- Control the flow rate by pressing the nozzle handle