

WHEELED FIRE EXTINGUISHERS

POWDER

STORED PRESSURE

INSTALLATION:

No particular skills are required

OPERATION:

The powder fire extinguishers are pressurized at 14 bar pressure at 20°C with nitrogen or dry compressed air.

TORQUE FORCE:

- The valve is screwed down on the cylinder with a torque force between 50 and 60 N*m;
- The hose is screwed on the valve with a torque force between 15 and 16N*m;
- The safety spring is screwed on the valve with a torque force between 12 and 13N*m.

USE AND WARNING:

- Use the extinguisher only in case of fire or for training.
- Keep the extinguisher away from areas where it will be subjected to extremes in temperature. The safe working temperature range for mobiles is -30°C to +60°C.
- Be aware that when operating the extinguisher the user will experience a jet reaction force. Do not operate on ladders, gantries or similar places where this could cause overbalancing.
- Familiarise relevant persons with the Material Safety Data Sheet (MSDS) for the extinguishing agent. MSDS available on the a.b.s. S.r.l. website.
- When refilling the extinguisher ensure that the correct weight of agent is placed inside the extinguisher. Do not overfill by placing the full contents of the powder pails in the extinguisher.

Wheeled Fire Extinguisher stored pressure

- 1) Unroll the hose from the fire-extinguisher and keep in hand the powder gun.
- 2) Take out the safety pin and turn on the lever on the cylinder valve, by maximum 5 complete turns 360°.
- 3) For fire extinguishers 50 and 100 kg rotate the ball valve on the powder gun, whereas for fire extinguisher 25 kg press the lever on the pistol, and aim the jet at the base of fire, distribute the extinguishing agent right and left uniformly on the fire.

In case of fire of flammable liquid do not approach too much.

You need trained people to use properly. This fire extinguisher can be used for all type of fire classes A B C.

RECHARGE INSTRUCTION FOR FIRE EXTINGUIHER STORED PRESSURE (ONLY FOR TRAINED PERSONEL)

Verify that fire extinguisher is not under pressure.

Unscrew carefully the brass valve on the top of the cylinder and discharge completely the extinguisher, verifying that there isn't any residues, or corrosion inside.

Clean and wash very attentively the valve removing any micro grain of powder in the hole of the valve, around the spindle and correspondently to the thread of the pressure gauge. Dry with care the valve and every parts of it.

After you're assured that cylinder is completely dry you can mount the valve on the neck ring; the swivel has to be tightened with a torque force between 50 and 60 N*m.

Refill it with 50/100 kgs of original powder (Note: for refilling is not suggested to use other kind of powder. NEVER MIX WITH OTHER KIND.)

Turn on the valve's lever anticlockwise (maximun 5 complete turns), be assure that the screw M4 is well thight.

Pressurize with nitrogen or dry dehumidified air the fire extinguisher at 14 bar.

Note: The refilling must be effected by authorized refilling station and trained staff.

Avoid contact with skin and eyes, may be irritant, wash with abundant water.

If accidentally swallowed contact a doctor.

DISPOSAL:

The disposal of the extinguisher should follow the local regulation.

The disposal of the extinguishing agent must be done according to the local regulations; a company who make the disposal of chemical products should do it.

PERIODIC INSPECTIONS, SERVICING AND TESTS:

The extinguisher must be tested and serviced according to the local regulations.

The cylinder test has to be done every 12 years or earlier in case of corrosion or defects seen during regular maintenance.

FOR SPARE PART LIST SEE THE RELEVANT TECHNICAL BULLETIN

WHEELED FIRE EXTINGUISHERS

POWDER

STORED PRESSURE



Organic solid materials,
wood rubber, textiles etc.



Flammable liquids,
gasoline, oil etc.



Flammable gases,
methane, propane.

FILLING TOLLERANCE

Capacity [kg]	Tollerance [%]	Weight [kg]	
		min	max
25	± 2	24,5	25,5
30	± 2	29,4	30,6
50	± 2	49,0	51,0
75	± 2	73,5	76,5
100	± 2	99,0	101,0
150	± 2	147,0	153,0

Torque force
spanner
Code **98043**



Check the pressure for fire extinguisher
Code **20065**



INSTRUCTIONS FOR THE USER

PHASE	EVENT	DANGEROUS	SUGGESTIONS AND PRECAUTIONS	MESURES
TRANSPORT AND INSTALLATION	FALL	BUMP	Carry in container which protects the product from bumping over.	In case of dent, give the product back to the maker for control
OPERATION	OVER-PRESSURE WHEATHER / CORROSION	BURSTING / REDUCING OF THE THICKNESS	Do not pressurize extinguishers over 14 bar at 20°C The pressurization must be done by means of a well-tuned pressure reducer. Avoid: -Do not bump which can damage the painting -Washing and contact with corrosive materials	If corrosion is pointed out please call the maintenance company for an immediate hydraulic test. OPTIONAL: To avoid over pressure in the extinguisher, a safety device is mounted on it. If this is provided, the opening pressure will be between 20-24 bar
MAINTENANCE	IMPROPER DEPRESSURIZATION	VIOLENT CAST OF COMPONENT OR PART OF THEM	The maintenance must be done by qualified company (in extinguishers maintenance)	The maintenance of the extinguisher must be done according to the local regulation
DISPOSAL	IMPROPER DEPRESSURIZATION	BLOW OF PARTS RISK OF SERIOUS INJURIES	The disposal must be done by qualified company (in chemical products disposal)	For the disposal of the extinguisher call only authorized company who make it according to the local regulations In case of contact of the powder or foam, wash immediately with a large amount of water