

INSTRUCTIONS USE AND MAINTENANCE

**PORTABLE POWDER FIRE EXTINGUISHER
PERMANENT PRESSURE**

Mod. P12 GD

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1. INSTALLATION

Install the fire extinguisher on the wall using the supplied bracket.

The fire extinguisher must be placed in the room to be protected so that it is:

- Clearly visible, easily accessible and not an obstacle to persons and / or vehicles in motion.
- In an ambient temperature of not less than -30°C or above $+60^{\circ}\text{C}$ (temperature of use of the extinguisher).
- Keep away from sources of heat.
- Identified by an appropriate safety signs, in accordance with current legislation.
- Wall mounted at a height from the floor as to be easily picked up by anyone.
- For special installations or mobile structures using specific supports on demand.

2. OPERATION

In normal conditions the extinguisher is pressurized at 15 bar - 20°C .

3. TORQUE FORCE

Use only certified manual torque wrenches.

The valve on the cylinder is screwed with a torque of $20 \div 70\text{ Nm}$.

The hose is screwed with a tightening torque of $15 \div 20\text{ Nm}$.

The dip tube is closed manually.

4. USE AND WARNINGS

4.1 WARNINGS

- Use fire extinguisher only in case of fire or training.
- Before use, read the instructions on the label of the extinguisher.
- Improper use could be dangerous.

This fire extinguisher can be used on fires of class:



Fires in combustible solids, flammable and hot forming coals (wood, paper, carbon materials, etc.)



Fires in liquid or solid material liquid (alcohol, ether, paint and solvents, mineral oils, fuels, etc.)



Fires of flammable gaseous materials (hydrogen, methane, propane, butane, ethylene, acetylene, etc.)

The disposal of the fire extinguisher is in accordance with the regulations. With regard to the container and the valve does not require any particular precautions, once that the extinguishing agent is emptied, the cylinder and the valve can be disposed in any landfill.

The disposal of dry powder should be carried out according to the regulations, must be performed by a company that makes the disposal of chemicals.

Approach the fire always upwind to a safe distance, direct the jet at the base of the flames, gradually advance to extinction by continuing to provide the outbreak. Pay attention to be switched on again. In the case where the quantity of extinguishing agent is not sufficient to extinguish the fire, get away, continuing to provide until the discharge of the extinguisher.

4.2 INSTRUCTIONS FOR USE



Use upright pull out clip



Aim at base of fire



Press lever fully down

5. RECHARGE INSTRUCTIONS FOR FIRE EXTINGUISHERS EXTERNAL CARTRIDGE (ONLY FOR TRAINED PERSONNEL)

- Remove the fire extinguisher from the bracket.
- Perform a visual inspection. Check for damage on the cylinder (be careful to rust) and the hose with gun
- Turn the extinguisher and shake the powder in the " upside down ". Lock the extinguisher in a vice, carefully and slowly unscrew the nut of the valve with the bump. The pressure compensation can be achieved along the grooves of the thread.
- Unscrew the hose from the valve with the gun. Check operation and clean the passage.
- Replace the O-ring sealing of the valve.
- Remove the retaining ring of the valve and check that the piston slides properly. Make sure that the transition is free of powder and the dip tube intact and properly screwed. Delete any remaining powder.
- Drain the fire extinguisher. Do a visual inspection of the cylinder (damage or rust).
- Fill the cylinder with the new powder, according to the label (min kg. 11,76 - max kg. 12,24). You can only use the agent extinguishant and spare parts with which the extinguisher is approved.

- Keep closed the opening of the cylinder, turn it in " head down " and shake the powder. Insert the valve complete with O - ring with a light pressure on the cylinder. Do not use force, rather than repeat the action.
- Check that the O - ring fits snugly before screwing the valve manually
- Turn the extinguisher, shake briefly. Affix the label to control and mark the check date.
- Affix a sticker with the name and address of the controller and, if the employer in a clearly visible and indelible. Do not cover the label instructions.

6. INSTRUCTIONS FOR THE USER

PHASE	EVENT	DANGEROUS	PRECAUTIONS	MESURES
TRANSPORT AND INSTALLATION	FALL	BUMP	Carry in container which protects the product from bumping over.	
OPERATION	OVER-PRESSURE WEATHER/CORROSION	BURSTING REDUCING OF THE THICKNESS	The recharge should be done only using calibrated pressure reducers. Avoid: -Do not bump which can damage the painting -Washing and contact with corrosive materials	To avoid over pressure in the extinguisher, a safety device is mounted on the valve. If this is provided, the opening pressure will be between 22-26 bar. If corrosion is pointed out please call the maintenance company for an immediate hydraulic test.
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	VIOLENT CAST OF COMPONENT OR PART OF THEM	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.