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MANUFACTURERS INSTRUCTION, FOR STORED PRESSURE POWDER EXTINGUISHERS

Note: Extinguisher filling must only be undertaken by a trained competent person in accordance with BS6643-1 : 1985, BS6643-2 : 1985 and the following instructions. Extinguisher maintenance to be in accordance with BS5306-3 : 2003. Extinguisher siting and installation to be in accordance with the recommendations of BS5306-8 : 2000.

<u>Model</u>	<u>Description</u>	<u>Fill Tolerance</u>	<u>Pressure @ 20°C with Nitrogen</u>	<u>Powder Pack Refill Order Code</u>
EPS9	9Kg ABC Powder	8.82 – 9.18 Kg (+/-2%)	15 bar	X3004 (2 x Refills / Pack)
EPS6	6Kg ABC Powder	5.88 – 6.12 Kg (+/-2%)	15 bar	X3003 (2 x Refills / Pack)
EPS4	4Kg ABC Powder	3.92 – 4.08 Kg (+/-2%)	15 bar	X3001 (4 x Refills / pack)
EPS2	2Kg ABC Powder	1.94 – 2.06 Kg (+/-3%)	15 bar	X3000 (6 x Refills / Pack)
EPS1	1Kg ABC Powder	0.95 – 1.05 kg (+/-5%)	15 bar	-

Filled with ABC 40 Dry Powder - Use only manufacturers specified refill, in order to retain BSI Kitemark certification.

Operating temp. range: -20°C to +60°C

Pressurised with Nitrogen, maximum water content 0.006% (m/m) – Reference EN3-2

IMPORTANT NOTE

Before opening any powder extinguisher, it should be ensured that the conditions for such operations, as detailed in BS 5306 : 2000, can be met. This relates to the requirement for a dry environment and prevention of cross-contamination of different types of powder.

Re-Charging Instructions:

1. Ensure extinguisher is fully de-pressurised and remove the valve and dip tube assembly from the extinguisher body.
2. Remove and dispose of any residual powder.
3. Thoroughly clean any components that have been contaminated by powder, as the contaminated surface may cause malfunction of the extinguisher during operation.
4. Replace any damaged 'O' Rings.
5. Refill the extinguisher body with correct amount of powder as detailed in the filling tolerances above. Only the manufacturers recommended refill should be used, in order to provide continuity to any certification that the extinguisher holds.
6. Refit the valve dip tube assembly into the extinguisher body. Always ensure during assembly that the dip tube can be pushed with ease into the powder. If this is not the case, then withdraw the tube, aerate the powder and re-commence the assembly.
7. Tighten the assembly by hand using the Stored Pressure Valve Tightening Tool (Part No. X 1004).
8. Charging of the extinguisher should be done through the hose outlet port on the valve, using the Pressurising adaptor (Part No. X1001) and following method :

IMPORTANT NOTE

Pressurise extinguisher to 15 bar at a temperature of 20°C using suitable equipment which has an independent pressure gauge, and a charging pressure regulated to 15 bar (IMPORTANT TO AVOID OVER PRESSURISATION OF CYLINDER).

- a) Fit Pressurising adaptor to (X1001) to hose outlet port.
 - b) Depress handles to open valve.
 - c) Connect the charging supply to the pressurising adaptor on the valve using a pressurising hose (such as Jactone Code X1002), fitted with a suitable fitting to engage with the Schrader valve on the Pressurising adaptor (X1001). It is advisable with powder extinguishers that the pressure rises over a period of about 5 seconds in order to allow the charging gas to pass through the powder with ease.
 - d) When the extinguisher pressure has reached 15 bar, the extinguisher valve should be closed and the pressurising hose may be disconnected. It should be checked that the pressure reading on the extinguisher gauge is correct.
 - e) Vent pressure from the filling adaptor and remove from the hose outlet port.
 - f) Attach the safety pin through the top handle and allow to rest on top edge of bottom handle. Fit an appropriate security seal.
 - g) Ensuring 'O' ring in good condition, re-fit the hose assembly by screwing in firmly and fit the hose clip into the extinguisher base.
9. Check the Extinguisher for retention of pressure. Any leakage must not exceed a rate of loss of pressure equivalent to 1.5 bar per annum from the initial value of 15 bar.
 10. Attach a service label onto the extinguisher for recording the following information:
 - i) Date (year / month) when filled / maintained.
 - ii) Type of maintenance (if applicable).
 - iii) Full weight of extinguisher.
 - iv) Mark identifying the competent person.
 - v) Date (year / month) next service due.
 - vi) Name and Address of maintenance supplier.