

NORFOLK

RANGE

EXTINGUISHER

SERVICING &

MAINTENANCE

INSTRUCTIONS



Britannia Fire Ltd

PROCEDURES FOR SERVICING THE NORFOLK RANGE **OF TRANSPORTABLE FIRE EXTINGUISHERS**

Introduction

The commissioning and servicing of fire fighting equipment must be carried out by a competent person using the correct tools to follow these manufacturer's instructions and any National standards required in the relevant Country.

Servicing and recharging should be carried out in a clean dry environment. All recharge materials and spare parts must be as specified by the manufacturer.

In the event that an extinguisher cannot immediately be rendered suitable for continued service, it must be marked 'NOT MAINTAINED' until it can be repaired/recharged.

The competent person must advise the user of any equipment, which is either condemned or unfit for service and make any recommendations for replacement and/or remedial work.

Always check the suitability of the stowage location, and that the extinguisher is of the right type for the prevalent risk.

If the extinguisher is to be sited in a hazardous/corrosive environment i.e. marine use, the inspection periods should be more frequent. The effects of the environment should be considered, with particular reference to corrosion and legibility of marking instructions. Where possible the extinguisher should be protected from the environment i.e. PVC cover or box. If there is significant corrosion or the markings are not legible, then the extinguisher should be withdrawn from service. This is a requirement of the Marine Equipment Directive.

Failure to use the recommended spare parts, recharge materials and adhere to these maintenance instructions may cause the extinguisher to malfunction or prevent it from operating altogether. This may invalidate the warranty and the manufacturer accepts no liability in the event that these instructions are not followed.

Care must be taken to ensure that residual media (powder and foam) are disposed of in accordance with environmental legislation. Where facilities exist, condemned extinguishers and components should be recycled.

SERVICE PROCEDURES FOR NORFOLK RANGE WHEELED DRY POWDER MODELS**MODEL NO'S: NRA50, NWS50, NWA50, NWM50, NWA60, NWS70, NWS100, NWA100, NWA120, NWM120, NWS165**

1. Inspect the exterior of the extinguisher for damage or corrosion. If found, the extinguisher should be withdrawn from service.
2. If conditions indicate the extinguisher has been completely or partially discharged, discontinue servicing procedure and commence recharge procedure (ref. RPNWP).
3. Examine instruction label for wear or damage which may affect legibility, replace if necessary.
4. Remove the headcap slowly, using nutring spanner (Part code: HCS), (do not use blunt instrument) allowing any residual gas to escape through vent holes before complete removal.
5. Examine powder for caking, lumps or contamination. If of poor quality empty extinguisher and recharge. (Do not sieve lumps from powder).
6. Examine headcap, relief device, nutring and cylinder threads. Ensure vent holes are clear and replace 'O' ring. Replace parts as necessary.
7. Refit headcap, tighten using nutring spanner.
8. Lay extinguisher on its side and remove discharge hose assembly. Examine discharge elbow, ensure no blockages (use wire rod if necessary).
9. Check condition of discharge hose, discharge lance and CO₂ hose for damage, wear, cuts etc. Replace if necessary. Refit to extinguisher and return extinguisher to upright position.
10. Disconnect gas hose from CO₂ cylinder and remove CO₂ Cylinder and check last hydraulic test date, replace if test is due. Checkweigh the cylinder against the gross weight stamped on cylinder shoulder. If underweight by more than 10% of contents, remove from service and fit replacement cylinder.
11. Refit CO₂ cylinder ensuring a new sealing washer is located correctly, tighten with spanner.
12. Check wheels for free movement and ensure retaining split pins are correctly fitted, grease axles if necessary.
13. Fit seal to CO₂ cylinder hand wheel safety pin(in accordance with service colour code). Record service details on service label.

RECHARGE PROCEDURE FOR NORFOLK RANGE WHEELED DRY POWDER MODELS

**MODEL NO'S: NRA50, NWS50, NWA50, NWM50, NWA60, NWS70, NWS100, NWA100,
NWA120, NWM120, NWS165**

THESE RECHARGE PROCEDURES SHOULD BE USED IF COMPLETE OR PARTIAL USE OF THE EXTINGUISHER IS SUSPECTED

1. Inspect the exterior of the extinguisher for damage or significant corrosion, if found, withdraw the extinguisher from service. Examine the condition of the Operating label for legibility, replace if necessary.
2. Ensure all pressure is released by fully discharging the extinguisher.
3. Remove headcap slowly, using nutring spanner (do not use a blunt instrument), allowing any residual pressure to escape through nutring vent holes.
4. Disconnect and remove the CO₂ cylinder and withdraw for recharging.
5. Invert extinguisher to remove residual powder (rest extinguisher on handle and rock back and forth).
6. Examine and blow through discharge lance and hose. Check for damage, cuts, kinks etc. Examine discharge elbow, ensure no blockages (use wire rod if necessary).
7. Fit replacement CO₂ cylinder, ensuring correct size and weight. Ensure a new sealing washer is located before tightening.
8. Refill with new dry powder of the correct type and quantity. Never mix different types of powder as pressure and moisture may develop as a result of chemical reaction.
9. Inspect nutring and headcap. Replace 'O' ring and other parts as necessary. Refit headcap using nutring spanner.
10. Clean extinguisher and record recharge details on service label.