



**Britannia Fire Ltd**

# ***NORFOLK RANGE***

## ***FIRE EXTINGUISHER SERVICING & MAINTENANCE INSTRUCTIONS***

### **Mobile CO2 Extinguisher**



**NRWSPINTRO REV 3 October 2017**

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

### **Introduction**

The commissioning and servicing of firefighting 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 necessary 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 If there is significant corrosion or the markings are not legible, then the extinguisher should be withdrawn from service.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.



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## **SERVICING PROCEDURES FOR NORFOLK RANGE STORED PRESSURE CARBON DIOXIDE (CO<sub>2</sub>) MODELS**

**CURRENT MODELS: NWC10, NWC20, NWC30**

*MODELS NO LONGER MANUFACTURED: NWC9, NWC18T, NWC22, NWC45T, NWC45*

### **WARNING: NEVER DISCHARGE CO<sub>2</sub> EXTINGUISHERS WITH NO DISCHARGE HORN ATTACHED**

1. Check exterior of extinguisher for corrosion or damage, if found, withdraw from service.
2. Checkweigh the extinguisher against the gross weight stamped on cylinder **(this is the weight full, without hose, horn, or carriage)**. If underweight by more than 10% of contents, the extinguisher should be removed from service and recharged. Alternatively use ultrasonic liquid level device.
3. Ensure safety pin is in position with operational seal, and the extinguisher has not been completely or partially discharged. If the extinguisher has been completely or partially discharged, discontinue servicing procedure and commence recharge procedure (Ref. RPC02).
3. Ensure instruction label is legible, rectify as necessary. Check for damage/corrosion to extinguisher body. If damage/corrosion is found, mark the extinguisher, remove from service and consult a cylinder specialist.
5. Check safety pin for free removal. Replace pin and fit new operational seal (in accordance with service colour code).
6. Ensure safety pin is in position and remove the horn/hose from the valve. Blow through horn/hose with compressed air and check for cracks, abrasion or other damage.
7. Check date of last hydraulic pressure test stamped on cylinder shoulder (This may be original date of manufacture). If hydraulic testing is due 10 years after production, remove from service.
8. Refit horn/hose, ensuring that sealing washer is present and in good condition.
9. Record service details, including weight on the service label and return to service.



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RECHARGE PROCEDURES FOR NORFOLK RANGE STORED PRESSURE  
CARBON DIOXIDE (CO<sub>2</sub>) MODELS**

**CURRENT MODELS: NWC10, NWC20, NWC30**

*MODELS NO LONGER MANUFACTURED: NWC9, NWC18T, NWC22, NWC45T,  
NWC45*

Due to the specialised equipment and high pressures involved in the recharging of CO<sub>2</sub> extinguishers, **only** specially trained competent persons should carry out this procedure using special High-pressure Liquid CO<sub>2</sub> transfer pumping equipment.

Always check date of last hydraulic pressure test and do not recharge any extinguisher that requires a hydraulic pressure test.