



## **The PowerX Extinguisher Range**

### **Service & Maintenance**

### **Manual**

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# **TG PRODUCTS LIMITED**

## **“Powerx Brand” Extinguisher Servicing Instructions**

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## **EXTINGUISHER SERVICING INSTRUCTIONS**

All TG Products "PowerX" Brand fire extinguishers should be initially serviced, installed and annually inspected, serviced and maintained by a trained competent person in accordance with BS 5306: Part 3 and TG Products "PowerX" Brand service procedures, tools and equipment.

It is essential for the correct, effective and safe operation of TG Products "PowerX" Brand fire extinguishers that only the specified parts, materials, charges and refill additives are used.

TG Products Ltd accepts no responsibility for injury or damage arising out of malfunction of a TG Products "PowerX" Brand extinguisher not serviced and maintained in accordance with the recommended procedures herein.

## **SAFETY PRECAUTIONS**

Do not attempt to remove the head or valve assembly of any extinguisher which may be pressurised without taking appropriate safety measures. Any sudden release of pressure may eject parts or the contents of the extinguisher in a dangerous manner.

At all times when attempting to remove parts from extinguishers, persons should ensure that they are clear of any parts, which may be ejected.

Before opening any extinguisher, safely depressurise any residual pressure in the extinguisher and ensure that there is no residual pressure in any hose and/or nozzle assembly. Slowly unscrew the head or valve assembly one complete turn (cartridge operated models) or two complete turns (stored pressure models) so that any pressure still remaining escapes through venting, before completely removing the assembly.

## **GENERAL SERVICING INFORMATION**

### **Examination of Threads**

Threaded connections of extinguisher parts subject to pressure must always be cleaned and thoroughly checked for any wear, damage or corrosion which may adversely affect their design integrity. Particular attention must be given to extinguishers known to be used for training purposes and/or those subject to frequent use.

### **Refilling**

When refilling stored pressure water and foam extinguishers, place the appropriate level indicator (indicated on dip tube) marked on the siphon tube level with the neck top of the extinguisher and fill with water until tip of siphon tube just touches liquid level. If foam, add refill charge after filling with water; the total fill level can then be checked using the 'appropriate' line level.

Note. If freeze protection is required, the appropriate quantity of mono-ethylene glycol must be added before filling with water.

It is not recommended to refill powder extinguishers in situ due to environmental issues and possible difficulties in detecting small leaks that might occur after pressurising due to inadequate cleaning of all traces of powder particles from sealing surfaces. In certain exceptional cases where refilling is to be carried out, it should be done in a dry atmosphere ensuring no moisture reaches the interior of the extinguisher or the powder refill charge.

### **Hose Connection**

Note: All models have ¼ BSP hose connection to valve body. For stored pressure models use correct threaded T bar with ¼ BSP threads when loosening or tightening valve during service. DO NOT use T bar with any other thread as this may result in damage to internal thread and prevent correctly reassembly of the hose adaptor

Always ensure the hose assembly is fully tightened into valve and firmly tightened to ensure leak tightness.

### **Low Temperature Use**

None of the TG Products "PowerX" Brand water based fire extinguishers have been formally tested using a low freeze additive and therefore TG Products Ltd do not recommend low freeze additive in these products.

## **INSPECTION AND RECHARGING PROCEDURES FOR TG PRODUCTS "POWERX BRAND" STORED PRESSURE 9 LITRE WATER MODEL EXW9 (81/02905).**

### **INSPECTION PROCEDURE**

1. Check extinguisher pressure gauge is reading correctly within the green sector and that the safety pin and plastic pull tie are in position.  
Notes:  
(1) If the condition of the extinguisher indicates that it may have been partially discharged, discontinue inspection procedure and follow recharging procedure.  
(2) Discharge test should be carried out every 5 years.
2. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
3. Pull out the safety pin ensuring that it can be removed freely. Check between handles for any signs of damage or corrosion.
4. Refit pin with a new pull-tie.
5. Remove discharge hose and check it is clear of obstruction and in good condition. Refit hose with a new 'O' seal and tighten.
6. Check weigh extinguisher against full weight marked on service record label. (Record weight if new.)
7. Verify that the pressure gauge needle operates freely.
8. Wipe extinguisher with a soft cloth.
9. Record details on service label (in line with the requirements of BS5306-3)

### **RECHARGING PROCEDURE**

1. Remove safety pin if still fitted. Invert extinguisher and squeeze operating levers to vent any residual pressure.
2. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
3. Remove discharge hose and check it is clear of obstruction and in good condition.
4. Slacken head cap by rotating two complete turns using threaded 'T' bar. Do not use hammer on carrying handle or operating lever. Do not unscrew further until all residual pressure has dissipated. Remove head/siphon tube assembly.
5. Empty any residual contents and rinse out extinguisher with clean water. Use a light to inspect internally for corrosion, or damage to lining (stainless steel extinguishers have no lining). Check neck and head threads for any wear, damage and corrosion.
6. Fill extinguisher with clean cold water to 'W' line level indicator on siphon tube. (If low-freeze additive is required, add this before filling with water.)
7. Check actuation of all moving parts of the operating head and that the siphon tube is free of obstruction.
8. Replace neck ring and discharge hose 'O' seals with new, lightly greasing them, the moving parts and neck threads with petroleum jelly before refitting head assembly to extinguisher body hand tight using the threaded 'T' bar if necessary to tighten sufficiently so that pressure gauge lines up with the centre of the extinguisher silk-screen and the discharge outlet is in line with the hose stowage socket. Do not over tighten.
9. Screw pressurising adaptor to discharge outlet, connect pressurising unit to adaptor, open valve by squeezing levers and pressurise to 12 bars as shown on the extinguisher pressure gauge. Close valve.
10. Remove pressurising unit and adaptor. Refit safety pin with new plastic pull-tie. Check extinguisher for leakage. Verify that pressure gauge needle operates freely.
11. Refit hose to head and nozzle into stowage socket.
12. Weigh extinguisher and ensure it is within tolerance
13. Wipe extinguisher with a clean cloth and weigh.
14. Record details on service label (in line with the requirements of BS5306-3)

## PARTS LIST

### POWERX WATER EXTINGUISHER - STORED PRESSURE EXW9 (81/02905)

#### Description

**Part  
Number**  
81/04053  
81/02914  
81/02915  
81/02929  
81/04051  
81/02922  
81/02933  
81/02937  
Refer to TG  
Products  
Catalogue

Valve assembly less safety pin  
Neck O ring seal  
Safety pin  
Hose assembly  
Hose O ring seal  
Discharge tube assembly  
Wall bracket  
Skirt - red  
  
Pulltite Seal

## **INSPECTION AND RECHARGING PROCEDURES FOR TG PRODUCTS “POWERX BRAND” STORED PRESSURE 6 LITRE WATER MODEL EXWA3 (81/03402) & EXWA6 (81/03403).**

### **INSPECTION PROCEDURE**

1. Check extinguisher pressure gauge is reading correctly within the green sector and that the safety pin and plastic pull tie are in position.  
Notes:  
(1) If the condition of the extinguisher indicates that it may have been partially discharged, discontinue inspection procedure and follow recharging procedure.  
(2) Discharge test should be carried out every 5 years.
2. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
3. Pull out the safety pin ensuring that it can be removed freely. Check between handles for any signs of damage or corrosion.
4. Refit pin with a new pull-tie.
5. Remove discharge hose and check it is clear of obstruction and in good condition. Refit hose with a new 'O' seal and tighten.
6. Check weigh extinguisher against full weight marked on service record label. (Record weight if new.)
7. Verify that the pressure gauge needle operates freely.
8. Wipe extinguisher with a soft cloth.
9. Record details on service label (in line with the requirements of BS5306-3)

### **RECHARGING PROCEDURE**

1. Remove safety pin if still fitted. Invert extinguisher and squeeze operating levers to vent any residual pressure.
2. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
3. Remove discharge hose and check it is clear of obstruction and in good condition.
4. Slacken head cap by rotating two complete turns using threaded 'T' bar. Do not use hammer on carrying handle or operating lever. Do not unscrew further until all residual pressure has dissipated. Remove head/siphon tube assembly.
5. Empty any residual contents and rinse out extinguisher with clean water. Use a light to inspect internally for corrosion, or damage to lining (stainless steel extinguishers have no lining). Check neck and head threads for any wear, damage and corrosion.
6. Fill extinguisher with clean cold water to 'W' line level indicator on siphon tube. (If low-freeze additive is required, add this before filling with water.)
7. Check actuation of all moving parts of the operating head and that the siphon tube is free of obstruction.
8. Replace neck ring and discharge hose 'O' seals with new, lightly greasing them, the moving parts and neck threads with petroleum jelly before refitting head assembly to extinguisher body hand tight using the threaded 'T' bar if necessary to tighten sufficiently so that pressure gauge lines up with the centre of the extinguisher silk-screen and the discharge outlet is in line with the hose stowage socket. Do not over tighten.
9. Screw pressurising adaptor to discharge outlet, connect pressurising unit to adaptor, open valve by squeezing levers and pressurise to 12 bars as shown on the extinguisher pressure gauge. Close valve.
10. Remove pressurising unit and adaptor. Refit safety pin with new plastic pull-tie. Check extinguisher for leakage. Verify that pressure gauge needle operates freely.
11. Refit hose to head and nozzle into stowage socket.
12. Weigh extinguisher and ensure it is within tolerance
13. Wipe extinguisher with a clean cloth and weigh.
14. Record details on service label (in line with the requirements of BS5306-3)

**PARTS LIST**

**“POWERX BRAND”  
WATER EXTINGUISHER - STORED PRESSURE  
EXWA3 (81/3402)**

	<b>Part Number</b>
Valve assembly less safety pin	81/04048
Neck O ring seal	81/02914
Safety pin	81/02915
Hose assembly	81/03689
Hose O ring seal	81/04051
Nozzle End O ring Seal	81/03607
Discharge tube assembly	81/04049
Wall bracket	81/02933
Skirt - Black	81/04052
Pulltite Seal	Refer to TG Products Catalogue

**“POWERX BRAND”  
WATER EXTINGUISHER - STORED PRESSURE  
EXWA6 (81/3403)**

	<b>Part Number</b>
Valve assembly less safety pin	81/04048
Neck O ring seal	81/02914
Safety pin	81/02915
Hose assembly	81/03649
Hose O ring seal	81/04051
Discharge tube assembly	81/03649
Wall bracket	81/03648
Skirt - Black	81/04052
Pulltite Seal	Refer to TG Products Catalogue

**INSPECTION AND RECHARGING PROCEDURES FOR TG PRODUCTS “POWERX BRAND”  
STORED PRESSURE 6 LITRE WATER MODEL EXWS6 (81/03404).**

**INSPECTION PROCEDURE**

10. Check extinguisher pressure gauge is reading correctly within the green sector and that the safety pin and plastic pull tie are in position.  
Notes:  
(1) If the condition of the extinguisher indicates that it may have been partially discharged, discontinue inspection procedure and follow recharging procedure.  
(2) Discharge test should be carried out every 5 years.
11. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
12. Pull out the safety pin ensuring that it can be removed freely. Check between handles for any signs of damage or corrosion.
13. Refit pin with a new pull-tie.
14. Remove discharge hose and check it is clear of obstruction and in good condition. Refit hose with a new 'O' seal and tighten.
15. Check weigh extinguisher against full weight marked on service record label. (Record weight if new.)
16. Verify that the pressure gauge needle operates freely.
17. Wipe extinguisher with a soft cloth.
18. Record details on service label (in line with the requirements of BS5306-3)

**RECHARGING PROCEDURE**

15. Remove safety pin if still fitted. Invert extinguisher and squeeze operating levers to vent any residual pressure.
16. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
17. Remove discharge hose and check it is clear of obstruction and in good condition.
18. Slacken head cap by rotating two complete turns using threaded 'T' bar. Do not use hammer on carrying handle or operating lever. Do not unscrew further until all residual pressure has dissipated. Remove head/siphon tube assembly.
19. Empty any residual contents and rinse out extinguisher with clean water. Use a light to inspect internally for corrosion, or damage to lining (stainless steel extinguishers have no lining). Check neck and head threads for any wear, damage and corrosion.
20. Fill extinguisher with clean cold water to 'W' line level indicator on siphon tube. (If low-freeze additive is required, add this before filling with water.)
21. Check actuation of all moving parts of the operating head and that the siphon tube is free of obstruction.
22. Replace neck ring and discharge hose 'O' seals with new, lightly greasing them, the moving parts and neck threads with petroleum jelly before refitting head assembly to extinguisher body hand tight using the threaded 'T' bar if necessary to tighten sufficiently so that pressure gauge lines up with the centre of the extinguisher silk-screen and the discharge outlet is in line with the hose stowage socket. Do not over tighten.
23. Screw pressurising adaptor to discharge outlet, connect pressurising unit to adaptor, open valve by squeezing levers and pressurise to 12 bars as shown on the extinguisher pressure gauge. Close valve.
24. Remove pressurising unit and adaptor. Refit safety pin with new plastic pull-tie. Check extinguisher for leakage. Verify that pressure gauge needle operates freely.
25. Refit hose to head and nozzle into stowage socket.
26. Weigh extinguisher and ensure it is within tolerance
27. Wipe extinguisher with a clean cloth and weigh.
28. Record details on service label (in line with the requirements of BS5306-3)



## PARTS LIST

### “POWERX BRAND” WATER EXTINGUISHER - STORED PRESSURE EXWS6 (81/3404)

	<b>Part Number</b>
Valve assembly less safety pin	81/04048
Neck O ring seal	81/02914
Safety pin	81/02915
Hose assembly	81/02928
Hose O ring seal	81/04051
Discharge tube assembly	81/02921
Wall bracket	81/02933
Skirt - Black	81/02936
Pulltite Seal	Refer to TG Products Catalogue

### INSPECTION AND RECHARGING PROCEDURES FOR TG PRODUCTS “POWERX BRAND” STORED PRESSURE 3, 6 & 9 LITRE FOAM MODELS EXF2 (81/03405), EXF3 (81/03406), EXF6 (81/02903) & EXF9 (81/02904)

#### INSPECTION PROCEDURE

1. Check extinguisher pressure gauge is reading correctly within the green sector and that the safety pin and plastic pull tie are in position.  
Notes:  
(1) If the condition of the extinguisher indicates that it may have been partially discharged, discontinue inspection procedure and follow recharging procedure.  
(2) Discharge test should be carried out every 5 years.
2. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
3. Pull out the safety pin ensuring that it can be removed freely. Check between handles for any signs of damage or corrosion.
4. Refit pin with a new pull-tie.
5. Remove discharge hose and check it is clear of obstruction and in good condition. Refit hose with a new 'O' seal and tighten.
6. Check weigh extinguisher against full weight marked on service record label. (Record weight if new.)
7. Verify that the pressure gauge needle operates freely.
8. Wipe extinguisher with a soft cloth.
9. Record details on service label (in line with the requirements of BS5306-3)

#### RECHARGING PROCEDURE

1. Remove safety pin if still fitted. Invert extinguisher and squeeze operating levers to vent any residual pressure.
2. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
3. Remove discharge hose and check it is clear of obstruction and in good condition. Refit hose with a new 'O' seal and tighten.
4. Slacken head cap by rotating two complete turns using threaded 'T' bar. Do not use hammer on carrying handle, operating lever or pressure gauge. Do not unscrew further until all residual pressure has dissipated. Remove head/siphon tube assembly.
5. Empty any residual contents and rinse out extinguisher with clean water. Use a light to inspect internally for corrosion or damage to lining. Check neck and head threads for any wear, damage or corrosion.
6. Fill extinguisher with clean cold water to 'F' line level indicator on siphon tube then add correct foam charge (If low-freeze additive is required, add this before filling up with water.) The total contents level can be checked using the 'W' line level.
7. Check actuation of all moving parts of the operating head and that the siphon tube is free of obstruction.

8. Replace neck ring and discharge 'O' seals with new, lightly greasing them, the moving parts and neck threads with petroleum jelly before refitting head assembly to extinguisher body hand tight using the threaded 'T' bar if necessary to tighten sufficiently so that pressure gauge lines up with the centre of the extinguisher silk-screen and the discharge outlet is in line with the hose stowage socket. Do not over tighten.
9. Screw pressurising adaptor to discharge outlet, connect pressurising unit to adaptor, open valve by squeezing operating levers and pressurise to 12 bars as shown on the extinguisher pressure gauge. Close valve.
10. Remove pressurising unit and adaptor. Refit safety pin with new plastic pull-tie. Check extinguisher for leakage. Verify that pressure gauge needle operates freely. Refit hose to head and nozzle into stowage socket.
11. Invert extinguisher to ensure thorough mixing of contents. Wipe extinguisher with a clean cloth and weigh.
12. Record details on service label (in line with the requirements of BS5306-3)

## PARTS LIST

### “POWERX BRAND” FOAM EXTINGUISHER - STORED PRESSURE EXF2

	<b>Part Number</b>
Valve assembly less safety pin	81/02910
Neck O ring seal	81/02913
Safety pin	81/04054
Nozzle	81/04056
Discharge tube assembly	81/04055
Foam refill 2ltr	3073/17
Wire bracket	81/02931
Pulltite Seal	Refer to TG Products Catalogue

### “POWERX BRAND” FOAM EXTINGUISHER - STORED PRESSURE EXF3

	<b>Part Number</b>
Valve assembly less safety pin	81/04048
Neck O ring seal	81/02914
Safety pin	81/02915
Hose assembly - 3ltr foam	81/04050
Hose O ring seal	81/04051
Discharge tube assembly - 3ltr	81/04049
Foam refill 300ml - 3ltr	3067/17
Wall bracket	81/02933
Skirt 3ltr - Black	81/04052
Pulltite Seal	Refer to TG Products Catalogue

### “POWERX BRAND” FOAM EXTINGUISHER - STORED PRESSURE EXF6 & EXF9

	<b>Part Number</b>
Valve assembly less safety pin	81/04053
Neck O ring seal	81/02914
Safety pin	81/02915
Hose assembly - 6ltr foam	81/02928
Hose assembly - 9ltr foam	81/02929
Hose O ring seal	81/04051
Discharge tube assembly - 6ltr	81/02921
Discharge tube assembly - 9ltr	81/02922
Foam refill 180ml - 6ltr	3067/17
Foam refill 270ml - 9ltr	3068/17
Wall bracket	81/02933
Skirt 6ltr - Black	81/02936
Skirt 9ltr - Black	81/02937
Pulltite Seal	Refer to TG Products Catalogue

**INSPECTION AND RECHARGING PROCEDURES FOR TG PRODUCTS "POWERX BRAND" STORED PRESSURE 1Kg, 2Kg, 4Kg, 6Kg & 9Kg POWDER MODELS EXP1 (81/02908) EXP2 (81/02900) EXP4 (81/03407) EXP6 (81/02901) & EXP9 (81/02902)**

**INSPECTION PROCEDURE**

1. Check extinguisher pressure gauge is reading correctly within the green sector and that the safety pin and plastic pull tie are in position.  
Notes  
(1) if the condition of the extinguisher indicates that it may have been partially discharged discontinue inspection procedure and follow recharging procedure.  
(2) Discharge test should be carried out every 5 years.
2. Examine extinguisher body and operating head for any external damage and corrosion and check that operating and servicing instructions are legible.
3. Pull out the safety pin ensuring that it can be removed freely. Check between handles for any signs of damage or corrosion.
4. Refit pin with a new pull-tie.
5. Remove discharge hose and check it is clear of obstruction and in good condition. Refit hose with a new 'O' seal and tighten.
6. Check weigh extinguisher against the full weight marked on the service record label. (Record weight if new.)
7. Verify that the pressure gauge needle operates freely.
8. Wipe extinguisher with a clean cloth.
9. Record details on service label (in line with the requirements of BS5306-3)

**RECHARGING PROCEDURE**

1. Remove safety pin if still fitted. Invert extinguisher and squeeze operating levers to vent any residual pressure.
2. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
3. Remove discharge hose / lance assembly and check it is clear of obstruction and in good condition.
4. Slacken head cap by rotating two complete turns using threaded 'T' bar. Do not use hammer on carrying handle, operating lever or pressure gauge. Do not unscrew further until all residual pressure has dissipated. Remove head/siphon tube assembly.
5. Empty any residual contents paying particular attention to any powder that may be compacted in the bottom of the extinguisher. Use a light to inspect internally for corrosion or damage.
6. Thoroughly clean all powder particles from internal bores, spindle, valve sealing faces, and neck and head threads and examine for wear, damage or corrosion.
7. Check actuation of all moving parts of the operating head and that the siphon tube is free of obstruction.
8. Refill extinguisher with correct powder charge.
9. Replace neck ring and discharge hose 'O' seals with new, lightly greasing them, the moving parts and neck threads with petroleum jelly before refitting head assembly to extinguisher body hand tight using the threaded 'T' bar if necessary to tighten sufficiently so that pressure gauge lines up with the centre of the extinguisher silk-screen and the discharge outlet is in line with the hose stowage socket. Do not over tighten.
10. Screw pressurising adaptor to discharge outlet, connect pressurising unit to adaptor, open valve by squeezing operating levers and pressurise to 14 bar as shown on the extinguisher pressure gauge. Close valve.
11. Remove pressurising unit and adaptor. Refit safety pin with new plastic pull-tie. Check extinguisher for leakage. Verify that pressure gauge needle operates freely.
12. Refit hose to head and nozzle into stowage socket.
13. Wipe extinguisher with a clean cloth and weigh.
14. Record details on service label (in line with the requirements of BS5306-3).

## PARTS LIST

### “POWERX BRAND” POWDER EXTINGUISHER - STORED PRESSURE EXP1 & EXP2.

	<b>Part Number</b>
Valve assembly less safety pin	81/04057
Neck O ring seal	81/02913
Safety pin – 1kg	81/04058
Safety pin – 2kg	81/04054
Nozzle – 1kg	81/02923
Nozzle – 2kg	81/02924
Discharge tube assembly inc adaptor - 1kg	81/02916
Discharge tube assembly inc adaptor - 2kg	81/02917
Multipack powder for – 1kg	81/04059
Multipack powder for – 2kg	81/04060
Wire bracket – 1kg	81/02930
Wire bracket – 2kg	81/02931
Pulltite Seal	Refer to TG Products Catalogue

### “POWERX BRAND” POWDER EXTINGUISHER - STORED PRESSURE EXP3, EXP4, EXP6 & EXP9

	<b>Part Number</b>
Valve assembly less safety pin	81/02912
Neck O ring seal	81/02914
Safety pin – 1kg	81/02915
Hose Assembly – 4kg	81/04062
Hose Assembly – 6kg	81/02926
Hose Assembly – 9kg	81/02927
Hose O ring Seal	81/04051
Discharge tube assembly inc adaptor - 4kg	81/04061
Discharge tube assembly inc adaptor - 6kg	81/02919
Discharge tube assembly inc adaptor - 9kg	81/02920
Multipack powder for – 4kg	81/04063
Multipack powder for – 6kg	81/04064
Multipack powder for – 9kg	81/04065
Wall bracket	81/02933
Skirt 4kg - Black	81/04066
Skirt 6kg - Black	81/02934
Skirt 9kg - Black	81/02935

## INSPECTION AND RECHARGING PROCEDURES FOR THOMAS GLOVER POWERX CARBON DIOXIDE MODELS FPC2SC (9705/00), FPC5C (9706/00)

### INSPECTION PROCEDURE

1. Check that the safety pin and plastic pull-tie are in position. If the condition of the extinguisher indicates that it may have been partially discharged, discontinue inspection and return the extinguisher for refilling. If new, remove blanking plug from valve outlet.
2. Check the stamped date of manufacture or last re-test date stamped on the neck of the cylinder. Determine dates for cylinder hydraulic testing (HT) i.e. ten years from last stamped date.
3. Remove horn assembly and ensure horns, swivel arms and hoses are clear of obstruction. Discard the old rubber 'O' seal (2kg) or fibre washer (5kg).
4. Check weigh extinguisher against the gross weight stamped on the neck of the cylinder. If a loss of 10% or more of the content weight is found, return the extinguisher for refilling.
5. Examine the extinguisher body and operating head for damage and corrosion and check that the operating and servicing instructions are legible.
6. Pull out the safety pin ensuring that it can be removed freely. Refit pin with a new pull-tie.
7. For 2kg  
fit a new rubber 'O' seal to the recess in the end fitting of the horn assembly. Insert the end fitting into the valve discharge outlet ensuring that the rubber 'O' seal is located within the outlet then tighten the hexagonal nut with a spanner. Check that the swivel arm remains in the operating position (i.e. at approx. 45°) without external support then reposition horn down to the vertical.  
For 5kg  
using a new fibre washer, refit the hose and horn assembly to the valve discharge outlet. Hand tighten the hexagonal nut then nip up quarter/half turn with a spanner. Affix the hose horn assembly to the handle stowage point.
8. Wipe extinguisher with a clean cloth.
9. Record inspection date, weight without hose/horn assembly, service details and ID on the service record label.

### RECHARGING PROCEDURE

The recharging of carbon dioxide cylinders can NOT be carried out on site. This must be carried out at refilling centres.

NO ATTEMPT SHOULD BE MADE TO REMOVE THE HEXAGONAL NUT ON THE OPERATING HEAD. This contains a safety bursting disc.

## PARTS LIST

### “POWERX BRAND” CO2 EXTINGUISHER - (STEEL) 2KG / 5KG

	<b>Part Number</b>
Valve assembly - 2kg/5kg steel	81/04067
Safety pin	81/04069
Swivel horn - 2kg	81/04072
Hose and horn assembly - 5kg steel	81/04074
Siphon tube assembly - 2kg steel	81/04070
Siphon tube assembly - 5kg steel	81/04071
Neck O ring seal - 2kg/5kg steel	81/04068
Swivel horn O ring seal - 2kg	81/04073
Hose and horn sealing washer - 5kg steel	81/04075
Wall bracket - 2kg steel	81/04076
Wall bracket - 5kg steel	81/04077
Pulltite Seal	Refer to TG Products Catalogue

**INSPECTION AND RECHARGING PROCEDURES FOR TG PRODUCTS POWERX  
STORED PRESSURE 2 LITRE & 6 LITRE WET CHEMICAL, MODEL EXWC2 (81/03409) & EXWC6  
(81/03408)**

**INSPECTION PROCEDURE**

1. Check extinguisher pressure gauge is reading correctly within the green sector and that the safety pin and plastic pull tie are in position.  
Notes:  
(1) If the condition of the extinguisher indicates that it may have been partially discharged, discontinue inspection procedure and follow recharging procedure.  
(2) Discharge test should be carried out every 5 years.
2. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
3. Pull out the safety pin ensuring that it can be removed freely. Check between handles for any signs of damage or corrosion.
4. Refit pin with a new pull-tie.
5. Remove discharge hose if fitted and check it is clear of obstruction and in good condition. Refit hose/lance with a new 'O' seal and tighten.
6. Check weigh extinguisher against full weight marked on service record label. (Record weight if new.)
7. Verify that the pressure gauge needle operates freely.
8. Wipe extinguisher with a soft cloth.
9. Record details on service label (in line with the requirements of BS5306-3)

**RECHARGING PROCEDURE**

1. Remove safety pin if still fitted. Invert extinguisher and squeeze operating levers to vent any residual pressure.
2. Examine extinguisher body and operating head externally for damage and corrosion and check that the operating and servicing instructions are legible.
3. Remove discharge hose/lance if fitted and check it is clear of obstruction and in good condition.
4. Slacken head cap by rotating one complete turn using a spanner. Do not use hammer on carrying handle or operating lever. Do not unscrew further until all residual pressure has dissipated. Remove head/siphon tube assembly.
5. Empty any residual contents and rinse out extinguisher with clean water. Use a light to inspect internally for corrosion or damage to lining. Check neck and head threads for any wear, damage and corrosion.
6. Refill extinguisher with total contents of 6 litre Wet Chemical charge (not suitable for low freeze protection)
7. Check actuation of all moving parts of the operating head and that the siphon tube is free of obstruction.
8. Lightly grease 'O' seals, moving parts and neck threads with petroleum jelly before refitting head assembly. Align pressure gauge line with the centre front of the extinguisher silk-screen and use a spanner to tighten. Do not over tighten. Apply neck seal label between collar and valve body.
9. Screw pressurising adaptor to discharge outlet, connect pressurising unit to adaptor, open valve by squeezing levers and pressurise to 7 bars as shown on the extinguisher pressure gauge. Close valve.
10. Remove pressurising unit and adaptor. Refit safety pin with new plastic pull-tie. Check extinguisher for leakage. Verify that pressure gauge needle operates freely.
11. Refit hose/lance to head and nozzle into stowage socket if fitted with one.
12. Wipe extinguisher with a clean cloth and weigh.
13. Record inspection date, weight without hose/horn assembly, service details and ID on the service record label.



**POWERX  
EXTINGUISHER - STORED PRESSURE  
WET CHEMICAL (2LTR & 6LTR)  
PARTS LIST**

	<b>Part Number</b>
Valve assembly – 6ltr	81/03564
Valve assembly – 2ltr	81/03565
Safety pin	81/02915
Hose assembly - 6ltr	81/03562
Siphon tube assembly 6ltr	81/03563
Siphon tube assembly 2ltr	22/55261
Refill Wet Chemical (2 litres)	81/03515
Refill Wet Chemical (6 litres)	81/03549
Neck O ring seal 2Ltr (pack of 50)	81/03561
Neck O ring seal 6Ltr (pack of 50)	81/03561
Hose O ring seal (pack 25)	81/04051
Nozzle O ring seal (pack 25)	12/50607
Wall bracket	81/02933
Skirt 6ltr - Black	81/02936
Wire bracket 2ltr	81/02931
Pulltite Seal	Refer to TG Products Catalogue