

FirstRESPONSE FIRE EXTINGUISHERS ABE POWDER SERVICE AND MAINTENANCE

This service and maintenance information is a guide to assist qualified service personnel in the inspection and maintenance of **FirstRESPONSE** fire extinguishers only. It is important that all warnings and notes on the fire extinguisher and in AS1851 are complied with. Serious injury could occur if these instructions are not followed. Fire & Safety WA assumes no liability for service, maintenance or recharge of fire extinguishers by publishing this document.

When maintenance is indicated, it should be performed by trained persons using proper equipment. Fire extinguishers are pressure vessels and must be treated with respect and handled with care. They are mechanical devices and require periodic maintenance to be sure that they are ready to operate properly and safely. Extinguishers should be serviced only with original and genuine spare parts – the use of substitute parts constitutes the void of any warranty covering the equipment.

1. REGULAR INSPECTION

The extinguisher shall be inspected in accordance with the requirements of Australian Standard AS1851.

2. EXTINGUISHER RECHARGE INSTRUCTIONS

Warning

- A. Before attempting to recharge be sure the extinguisher is completely depressurised.
- B. Use a regulated pressure source.
- C. Check and calibrate regulator gauge at frequent intervals, the regulator gauge intended charging pressure has been reached, do not use the



extinguisher gauge for this purpose.

- D. Never leave an extinguisher connected to a regulator of a high pressure source for an extended period of time. A defective regulator could cause the cylinder to rupture due to excessive pressure.

The Fire Extinguisher is to be recharged in accordance with Australian Standard AS1851.

- Ensure the extinguisher is fully discharged by opening the Discharge Valve until all pressure is released.
- Remove the Discharge Valve from the cylinder.
- Empty the remaining contents of the cylinder.
- Inspect the cylinder internally, with the aid of an inspection light, to ensure cylinder is clean and free from damage.
- Inspect the cylinder externally to ensure it is free from damage.
- Fill cylinder with ABE Powder, refer Table 1 for quantity.
- Screw Valve Assembly into cylinder ensuring "O" ring is correctly seated.

- Pressurise extinguisher with either Air or Dry Nitrogen to pressure in Table 1.
- Fix Safety Pin to handles and fit Safety Tie to prevent accidental discharge.
- Examine extinguisher to ensure that there are no leaks.

3. EXTINGUISHER PRESSURE TEST INSTRUCTIONS

- Ensure the extinguisher is fully discharged by opening the Discharge Valve until all pressure is released.
- Remove the Discharge Valve from the cylinder.
- Empty the remaining contents of the cylinder.
- Inspect the cylinder internally, with the aid of an inspection light, to ensure cylinder is clean and free from damage.
- Inspect the cylinder externally to ensure it is free from damage.
- Conduct Hydrostatic Test in accordance with Australian Standards AS1851.
- Following Hydrostatic Test ensure the cylinder is dry and free from contaminants internally.
- Fill cylinder with ABE Powder, refer Table 1 for quantity.
- Check Valve Assembly to ensure correct operation. Lubricate Valve "O" Ring with petroleum jelly.
- Screw Valve Assembly into cylinder ensuring "O" ring is correctly seated.
- Pressurise extinguisher with either Air or Dry Nitrogen to pressure in Table 1.
- Fix Safety Pin to handles and fit Safety Tie to prevent accidental discharge.
- Examine extinguisher to ensure that there are no leaks.

4. EXTINGUISHANT QUANTITY AND OPERATING PRESSURE

	Item No	ABE Powder	Pressure kPa
1	201001	1.0kg - 75%	1344
2	201005	2.5kg - 75%	1344
3	201006	4.5kg - 75%	1344
4	201007	4.5kg - 90%	1344
5	201008	9.0kg - 75%	1344

5. SPARE PARTS

Item No 201001 1.0kg

	Part	Description
1	FSWA-PC1-00	Cylinder
2	ZYJ-03-00	Valve
3	301344-00	Pressure Gauge
4	DT-P1-198	Dip Tube
5	VB-P1-00	Vehicle Bracket
6	T11-02	Seal
7	FSWA-MT-00	Maintenance Tag
8	T07-03-01	Nozzle

Item No 201005 2.5kg

	Part	Description
1	FSWA-PC2.5-00	Cylinder
2	DLV01-065B-00	Valve
3	301344-00	Pressure Gauge
4	DT-P2.5-242	Dip Tube
5	VB-P2.5-00	Vehicle Bracket
6	T11-02	Seal
7	FSWA-MT-00	Maintenance Tag
8	FSWA-PH2.5-00	Hose
9	BELT-500-00	Belt

Item No 201006 4.5kg

	Part	Description
1	FSWA-PC4.5-00	Cylinder
2	DLV01-065B-00	Valve
3	301344-00	Pressure Gauge
4	DT-P2.0-275	Dip Tube
5	T11-02	Seal
6	FSWA-MT-00	Maintenance Tag
7	FSWA-PH4.5-00	Hose
8	BELT-500-00	Belt

Item No 201007**4.5kg**

	Part	Description
1	FSWA-PC4.5-00	Cylinder
2	DLV01-065B-00	Valve
3	301344-00	Pressure Gauge
4	DT-P2.0-275	Dip Tube
5	T11-02	Seal
6	FSWA-MT-00	Maintenance Tag
7	FSWA-PH4.5-00	Hose
8	BELT-500-00	Belt

Item No 201008**9.0kg**

	Part	Description
1	FSWA-PC9.0-00	Cylinder
2	DLV01-065B-00	Valve
3	301344-00	Pressure Gauge
4	DT-P9.0-305	Dip Tube
5	T11-02	Seal
6	FSWA-MT-00	Maintenance Tag
7	FSWA-PH9.0-00	Hose
8	BELT-700-00	Belt