



SHROPSHIRE

Fire and Rescue Service

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**BRIGADE ORDER
TECHNICAL
NO. 2**

PART 7

**'FROGGY'
FLOATING PUMP**

BRIGADE ORDER TECHNICAL NO. 2

PART 7 – ‘FROGGY’ FLOATING PUMP

PURPOSE

To provide technical information and guidance in the use of the ‘Froggy’ floating pump.

Located on the Environment Unit the ‘Froggy’ floating pump is a small versatile floating pump, which can be used in a variety of situations. If required, the pump can be removed from the float, allowing the pump to be used in culverts, drains and confined spaces.

STRATEGIC AIMS AND OBJECTIVES

Strategic Aim 2 “Protect life, property and the environment from fire and other emergencies.”

Associated Corporate Objective 5: We will “Ensure the provision of an appropriate response to non-fire emergencies”.

Strategic Aim 3 “Secure the highest level of safety and welfare for all staff by providing effective supervision, training, equipment and systems of work.”

Associated Corporate Objective 6: We will “Maintain and improve the health, safety and welfare of all employees”.

ROLES, RESPONSIBILITIES AND REVIEW

The **Asset Procurement Manager** is responsible for ensuring this Order is implemented across the Brigade.

The **Officer in Charge** will be responsible for the day to day operation of the Order.

The **Operational Equipment Officer** will review this order annually in *February* and as and when organisational changes take place.

DESCRIPTION

The Briggs and Stratton engine and pump sits centrally on a heavy duty float unit. One outlet allows delivery hose to be connected as required. The unit is self priming and will operate automatically at the speed set on the throttle control. Flow of water can be governed by using a controlled dividing breeching.

OPERATING INSTRUCTIONS

Ensure the fuel tank is full. Move the throttle to the slow position, which will activate the automatic choke. Pull the start handle, until compression is felt, then pull hard to start the engine. Allow the engine to warm up, then move the throttle lever to the fast position.

The pump is self priming and is now ready to use. Before placing the pump in the water always tie a line to the harness fitted to the top of the engine to maintain control of the location of the pump on water. Too far a distance will cause the pump to tip and sink, due to the weight of delivery hose.

REMOVAL AND REFITTING FLOAT

To remove the float, unscrew the 'T' bar bolts at either side of the pump and lift the pump unit out of the float.

To re-fit, line up the holes on the pump unit with the holes in the float. Insert the 'T' bar bolts and screw until hand tight.

SAFETY

Whenever personnel are working near water, life jackets should be worn.

Keep as much hose out of the water as possible. The engine will be hot after use, use the float to carry the pump when fitted.

THE PUMP MUST NOT BE USED IN CONFINED SPACES WITHOUT ADEQUATE VENTILATION.

MAINTENANCE

Refuel after use (unleaded petrol). The pump is maintenance free, but oil and the spark plug should be changed annually, or if contamination of engine oil occurs.

TECHNICAL DATA

ENGINE POWER	- 3.5 HP
OUTPUT	- 650 LPM
MINIMUM DEPTH OF WATER REQUIRED	- 2 CM
FUEL TANK CAPACITY	- 0.85 LITRES
RUNNING TIME	- 40 MINUTES
WEIGHT	- 21 KG