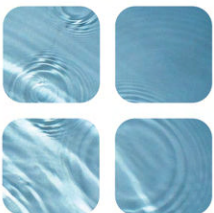


RFB1000 Rapid Fill Mobile Water Transfer Unit



Pictured Above Is The RFB 1000/600 Box Unit (Chevroned)

Fluid Category 5 Backflow Protection
To meet the requirement of the
Water Supply (Water Fittings) Regulations
For the purpose of supplying
Wholesome water to ships in port



KEEPING WATER AT ITS BEST

The **RFB1000/600** has a flow range from 60m³/hr to 36 m³/hr with corresponding delivery pressures of 3.6 to 4.2 bar.

RFB1000 Internal 1500 litre tank



The trailer is fitted with a 1,500 litre WRAS approved tank (*1,100 litres nom capacity*).

In order to meet the Type AB air gap requirement and the current fluid category 5 legislation for filling ships in port, the tanks are fitted with screened wiers, warning overflow and main overflow line which is also screened.

In addition there is a clear PVCu sight gauge, low water level sensor, a pressure gauge and relief valve.

All components and materials used within the trailer that are in contact with the potable water are WRAS approved.

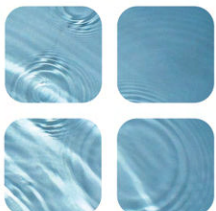
Diesel Pump and Control Valve



The water booster pump and diesel engine is located at the front of the trailer, the three cylinder 12.2 kW water cooled diesel engine is fitted with an electric start and is continuously rated. The alternator provides a charging rate of 40 Amps (V x W) 12 x 480. It has a 33 litre fuel tank, with an estimated 17 hour run time depending on engine speed/load.

The battery is a maintenance free 40-45 amp/hr wet cell sealed unit. A key operated switch provides the start/stop facility for additional security. Noise levels are rated at 81.3 dBa/2000 r.p.m and 84.1 dBa at 2500 r.p.m. at 1 metre.

The SHF-50-200 304 Lowra stainless steel diesel driven pump will deliver 1,000 l.p.m. (60 m³/hr) flow at 3.2 bar delivery pressure and 600 l.p.m. @ 4.25 bar.



KEEPING WATER AT ITS BEST

Flow Indication & Batch Control

A flow sensor is fitted into the 2" filling line, to continuously monitor the flow rate. This is transmitted to the main controller.



This controller provides continuous read out of water flow, and provides the operator with the ability to programme the volume of water to be pumped, with automatic shut down of engine when this volume is reached.

The controller also provides the user with a re-settable totaliser. The system is powered from the trailer power supply.

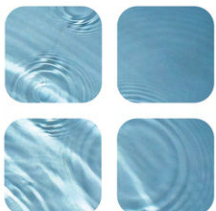
In addition, incorporated into the unit is an RS232 connector to enable the information to be down loaded or retransmitted to a remote source via the GSM unit.

Key points of the RF Transfer Units

- ◆ Fluid Category 5 compliant with type AB air gap
- ◆ WRAS (or equivalent) approved pipework and fittings
- ◆ Standard quick release bayonet type connections on the inlet and outlet points.
- ◆ Rapid fill and delivery, rated from 36 m³/hr to 60 m³/hr at between 3.6 to 4.2 bar pressure.
- ◆ Flow indicator with totaliser and programmable batch controller
- ◆ Low level water safety shut off device and pressure relief valve.
- ◆ GSM communication (optional) for monitoring, control and alarm out.
- ◆ Twin axles with corner jack stands for safety and stability. Optional chlorine dosing (up to 1 mg/l) using proportional injection

If our standard range does not match your requirements, we will be happy to discuss your specification with no obligation.

For more information please contact either: Martin Russell (07802 738662) or Gary Newell (07734 138559)



KEEPING WATER AT ITS BEST