

Instructions for 1900 811 service pump

Fig.1

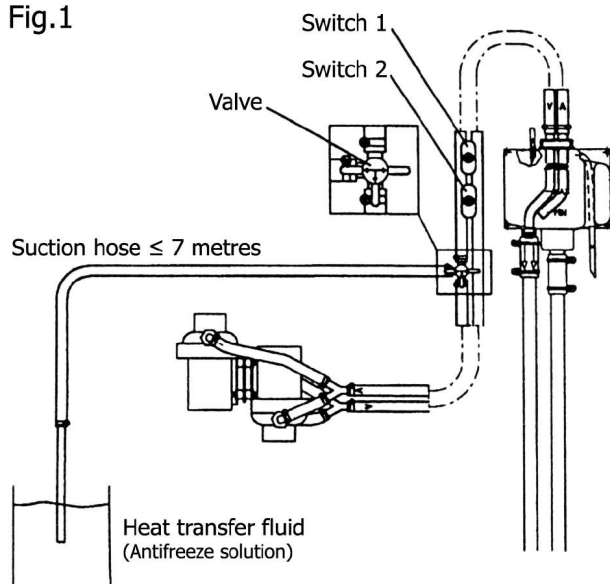
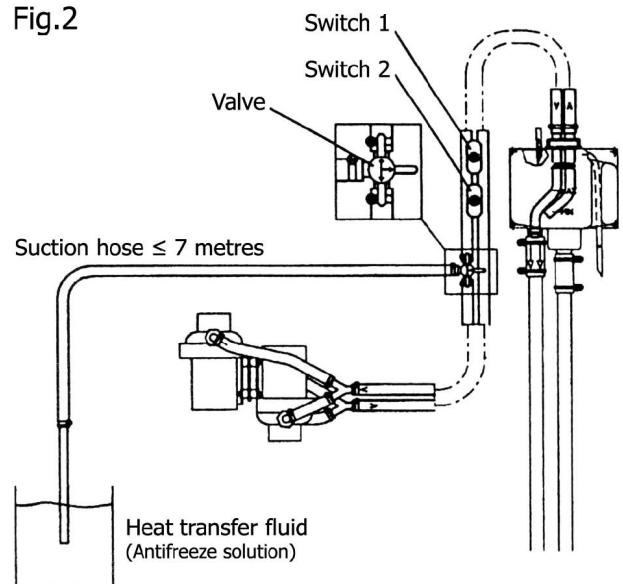


Fig.2



Assembly of the service pump:

1. Remove any circulation pump from the expansion tank.
2. Insert the pump head into the expansion tank and fit into place, as shown in the diagram.
3. Connect 12 V supply to the service pump.
4. Place the suction hose in a watertight container with the heat transfer fluid.

Filling the central heating system:

1. Position the valve as shown in Fig.1.
2. Fill the system by starting the pump with switch 1.
3. Run the service pump until the fluid can be seen rising in the expansion tank. This will take several minutes for most heating systems.
4. Fill the fluid up to the "MAX" marker on the expansion tank, and turn off the pump (switch 1).
5. Bleed the system in accordance with the following instructions.

Bleeding air from the heating system:

1. Position the valve as shown in Fig.2.
2. Turn on switch 1 and then switch 2 to force the air out of the system at the pump's flow rate.
3. Run the service pump until there are no more air bubbles visible in the hose line. This takes several minutes for most heating systems. **NB: Do not let the fluid level drop below the "MIN" marker in the expansion tank.**
4. Raise the fluid level by turning the valve to the position shown in Fig.1 and turning off switch 2 to lower the flow rate.
5. When the heating system is full and properly bled, the fluid level will rest about 1 cm above the "MIN" marker at room temperature.

NB: The hoses are full of fluid when the pump is disassembled after use.

Antifreeze Solution

Region	Ethylene Glycol Antifreeze %	Clean Water %
United Kingdom (-25 °C)	40	60
Europe (-35 °C)	50	50