

Clarke[®]

INTERNATIONAL

SUBMERSIBLE TRANSFER PUMP

Model No: MSP12

Part No: 7260040

Thank you for purchasing this Clarke Mini Submersible Pump.

Please read this leaflet thoroughly before use to ensure you are fully aware of the limitations and methods of use and all safety precautions that must be taken into consideration. This will also ensure that with proper use, the pump will provide you with many years of satisfactory service.

Guarantee

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

Contents

- 1 pump c/w 4M supply cable with crocodile clips.
- 3M flexible hose.
- 2 x 15mm jubilee clips
- 15mm steel tube x 150mm length.

Please check the contents to ensure they are complete and that no transit damage has occurred.

Should any damage be apparent, please contact your Clarke dealer immediately



When disposing of this product, do not dispose of with general waste. It must be disposed of according to the laws governing Waste Electrical and Electronic equipment, at a recognised disposal facility.

Limitations of Use

This pump is **ONLY** for use with the following:

- Clean water or water with small solids in suspension (dirty water).
- Diesel fuel
- Paraffin

DO NOT use this pump for pumping:

- Slurry
- Sceptic Tanks
- Sandy water
- **WARNING: DO NOT USE FOR PUMPING PETROL**

Safety Precautions

- **ALWAYS** disconnect the pump from the power supply before performing any maintenance operations.
- **ALWAYS** check the power input cable before use to ensure it is perfectly serviceable.
- **ALWAYS** ensure the filter is clean and perfectly serviceable before use.
- **NEVER** run the pump dry. **Minimum water depth is 30mm**
- **DO NOT** exceed the duty cycle - see Specifications.
- **DO NOT** use if any part appears to be damaged. Have it repaired by your Clarke dealer.
- **DO NOT** use the pump for any purpose other than that for which it is intended.
- **DO NOT** operate the pump continuously - eg. in a fish pond or collection tank, water feature etc.
- **DO NOT** use or leave the pump in freezing conditions.
- **DO NOT** allow uncontrolled discharge of *contaminated* water etc. **ALWAYS** collect in a container and dispose of according to all H & S regulations and local laws.

Specifications

Flow Rate	16.5 litres/min
Min. Water Depth	30mm
Voltage	12V
Current	4.5A DC
Pressure	15psi / 1 bar
Height	145mm
Diameter	53.5mm
Weight	0.6kg
Duty cycle	15mins continuous in any 30 min period

We declare that this product complies with the following EEC directive - 98/37EC

signed:



Mr D. Kemp, Engineering Mgr

Dated 30Nov,2007

Method of Operation

1. Always check to ensure the pump is in perfect working order:
 - no apparent damage
 - filter in place and perfectly clean
 - Power cable in perfect condition
2. Attach the flexible hose to the outlet, securing with the jubilee clip supplied.
3. If required, attach the stainless steel tube to the discharge end of the flexible hose, securing with the jubilee clip supplied.
4. Carefully lower the pump into the pit or sump etc., to be drained.

IMPORTANT, if the bottom of the pit or sump is muddy or sandy, support the pump on a brick or something similar. DO NOT allow it to rest in the mud or sand.

5. Connect the clamps to the 12Volt battery and the pump will operate.

IMPORTANT: ALWAYS connect the red - positive clamp to the red positive terminal of the battery FIRST, then connect the black clamp to the black - negative terminal, ensuring both clamps are perfectly secure.

When disconnecting - ALWAYS disconnect the black - negative clamp FIRST.

Always observe the pump discharge. Should it deteriorate during use, it is probable that the filter is becoming blocked. In this case, disconnect the pump from the battery - black terminal first, then carefully withdraw the pump from the pit or sump etc. **DO NOT yank the cable.**

Unscrew the base cap and remove the filter. Either clean thoroughly or replace as necessary, then check the impeller to ensure it is free to rotate and is not blocked.

When satisfied, replace pump in sump or pit etc., and proceed to pump, once more.

When finished with, ALWAYS remove the filter and clean thoroughly, then allow it to dry.

Thoroughly clean the pump with clean water and ensure the impeller is completely free to rotate and is free of any contaminants.

Reassemble the pump and store in a clean dry environment.

Parts and Service

The following parts are available from your Clarke dealer

1. End Cap	Part No:	MSP1201
2. Filter		MSP1202
3. Cable Clamp - Red		MSP1203
4. Cable Clamp - Black		MSP1204
5. Flexible Hose - 4M		MSP1205

For Spare Parts and Service, please contact your nearest dealer, or CLARKE International, on one of the following numbers.

PARTS & SERVICE TEL: 020 8988 7400

PARTS & SERVICE FAX: 020 8558 3622

or e-mail as follows:

PARTS: Parts@clarkeinternational.com

SERVICE: Service@clarkeinternational.com