



GREYWATER PUMP INSTALLATION INSTRUCTIONS

PLEASE ENSURE INSTRUCTIONS ARE READ THOROUGHLY PRIOR TO INSTALLATION.

FAILURE TO COMPLY WITH MANUFACTURER'S INSTALLATION REQUIREMENTS WILL VOID WARRANTY.

GENERAL

- **Use for grey water only.** Units will not accept garbage disposal, [insinkerator waste], chemicals or excessive fat. Noise level 55db.
- **Maximum water temperature 60 deg C.** Higher temperatures may result in overheating and cause the in-built motor protection device to activate. Resetting of this device is automatic and may take up to 30 minutes to reset.
- **Modified grey water (Tea room) pumps** accept isolated [not consistent] short bursts of hot water in excess of 60 deg C followed by a cooling period. Top inlet only is available on modified units.
- **Activation is automatic.** Run time is approx 10 to 30 seconds depending on design and distance of the discharge line.

DO NOT

- **Use with glass washers or commercial dish washers.** These units operate constantly and in excess of 60 deg C. This applies also to Modified Greywater Tea Room pumps.
- **Use with abrasives or corrosive liquids or cleaners** containing caustic, citrus, acid and/or petrochemical bases.
- **Connect to hot water discharge** if pumping more than four (4) metres vertically.
- **Pump waste from other pumped appliances** directly into the *Lomac* Greywater Pump. Dishwashers, especially washing machines **must not** be pumped directly into the *Lomac* Greywater Pump, but drain into the pump via a laundry trough, sink or similar appliance.

DO

- **Use lid (top) inlet port for hot water** draining into the pump. Remove cap in chrome ring, lubricate rubber seal, insert 40 dia waste pipe to a depth of 30mm.
- **Locate the pump downstream of any grease interceptor tank.**
- **Secure a strainer** or filter basket to the waste of the sink leading to the *Lomac* Greywater Pump to prevent the entry of lint, hair, food scraps and other foreign material which may clog the intake or "strangle" the motor shaft. This is a recommended measure of preventative maintenance to ensure long and trouble free service.
- **Preferably pump vertically before horizontal.** *Lomac* pumps do not require venting.
- **Locate the pump** in a suitable position (Eg. Under laundry trough), to accept waste discharge from selected fixtures.
- **Install using a licensed plumbing contractor** / Registered electrical contractor in accordance with AS/NZ3500.1&.2 requirements. Current draw 3 amps max. Supply 240 volt 50Hz AC. May be hard wired with a 6 amp fuse. If wall socket, position where it is not affected by moisture. Dishwashers, washing machines to share a common fuse with the *Lomac* Greywater Pump.

INSTALLATION: PLUMBING

- **Vertical discharge pipe:** Use only **25mm** (1") diameter PVC pressure pipe or type 'B' copper. Continue in 25 dia for one (1) metre after turning from vertical to horizontal. Preferably design the line to pump vertically before horizontally.
- **Horizontal pipe:** Increase diameter to **32mm** minimum, one (1) metre after turning from the 25mm vertical. The horizontal pipe must have a minimum fall of 1:200 (5mm per metre) ideally 1:40 to act as a drain line to sewer to maximise the distance for discharge. Once you have finished your vertical lift, **do not** pump horizontally then vertical again.
- **Bends:** (PVC) Use two 45° bends back to back to create a long radius 90° bend. Do not use hard 90° elbows. Note: Reduce maximum vertical lift (or head) by one metre for every three 90° bends: Horizontal runs by 10 metres for every three 90° bends.
- **Connection, pump to discharge pipe:** Insert the 25mm discharge pipe (**never any more than half way**) into the grey discharge nozzle and secure with a hose or jubilee clamp. If suitable, position the white rosette to cover the clamp.
- **Connection, waste pipes:** Use standard 40mm PVC fittings to screw onto the 40 BSP threaded inlets at each end of the pump. Ensure firm tension only. Do not over tighten the back nut or place leverage on the inlet port as this may crack the casing at the port thread causing leakage. Note! The 40 BSP inlets are blanked off on the modified tea room pumps.
- **Connection to sewer or vent:** Ensure connection is above the point of entry and swept in the direction of flow.
- **Ball valve:** We recommend a quarter turn ball or gate valve be located at the start of the vertical pump line for any future need to isolate the plumbing.
- **Non return valve (NRV):** Additional NRV not required. The built in NRV acting against the column of water on the vertical discharge line prevents back flow into the pump and also prevents odour coming into the pump from the sewage drain.

ALTERNATIVE CONNECTION USING FLEXIBLE CONNECTORS:

- For side inlets only. Unscrew blanking cap from pump.
- Remove black rubber seal and centre blanking disc.
- Insert grey 'O' ring (see in minor parts bag), into the back of the back nut.
- Slide back nut on to the spigot end of the flex connector.
- Place rubber seal onto spigot so that taper is toward pump.
- Insert spigot fully into pump and tighten back nut. Do not overtighten.
- The other end of the flexible connector screws to a standard 40 dia M.I. coupler (not supplied).
- Before threading PVC coupler to the connector, ensure the 40mm O-Ring (located with white rosette in the carton) is correctly seated on the shoulder of the connector to seal the M.I. coupler.
- PVC pipe is then solvent welded to M.I. coupler.

SERVICING & MAINTENANCE

Should servicing be required as a result of malfunction or for periodic maintenance, contact only recommended *Lomac* service agents. If your pump is within its warranty period, only *Lomac* service agents should be in contact with the pump so as not to void warranty. Please leave these instructions with the pump for future reference.



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