



BATHROOM 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 toilet, bidet, bath, shower & vanity basin fixtures.** Units will accept normal organic waste, toilet paper and grey water. 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.
- **Activation is automatic.** Run time is approx 10 to 30 seconds depending on design and distance of the discharge line.

DO NOT

- **Use for disposal of personal hygiene products,** rubber, cotton, plastics, string, hair or any hard items whatsoever.
- **Use abrasive, foaming or corrosive liquids or cleaners** or containing caustic, citrus, acid and/or petrochemical bases. Cleaning your toilet with a limited amount of non abrasive product such as 'Domestos' will not harm your Lomac
- **Connect to hot water discharge** if pumping more than four (4) metres vertically.

DO

- **Locate the pump directly behind & on the same plane as the [standard 'P' trap] pan.** Pump may be moved back from the pan spigot by approx 300 mm [use 100mm PVC make up piece] to conceal pump or place in a more suitable position to accept waste discharge from fixtures.
- **Ensure free access** for future servicing and / or removal of the pump.
- **Secure a strainer** or filter basket to the waste of the sink leading to the *Lomac* Bathroom Pump to prevent the entry of **hair** 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.
- **Install using a licensed plumbing contractor / Registered electrical contractor** in accordance with AS3500 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 safe & not affected by moisture.

INSTALLATION: PLUMBING

- **Ensure sufficient fall** on all pipe work running into the pump. No less than 1:40 should be achieved. The base of the shower / bath may need to be elevated to secure adequate fall.
- **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.
- **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.



CUSTOMER SERVICE & INSTALLATION ADVICE

Australia - Insapipe Industries Ltd
Unit 112/45 Gilby Road, Mt Waverley, Vic, 3149
Tel : 03 9543 7500 Fax: 03 9543 8535

New Zealand - Insapipe Industries Ltd
20A Arwen Place, East Tamaki, Auckland
Tel : 09 273 3703 Fax: 09 273 3704

Website: www.insapipe.com Email : sales@insapipe.com