



TOILET 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 & vanity basin.** 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 drainage from vanity.
- **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* Toilet 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

- **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 horizontal.
- **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 pipe:** Use lid [top] inlet port. Remove cap in chrome ring, lubricate rubber seal, insert 40mm dia waste pipe to a depth of 30mm.
- **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.

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

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

New Zealand - Insapipe Industries Ltd

20A Arwen Place, East Tamaki, Auckland

Tel : 09 273 3703 Fax: 09 273 3704