

iDUS Home Conservepump™ The Smart Water Conservation Technology

Ideal for homes, businesses, and cottages the iDUS Home Conservepump™ utilizes bath water or rainwater to flush toilets, reducing water consumption and the amount of sewage generated.

Bath, shower water or rainwater is collected and stored in a tank, and the Home Conservepump™'s smart technology automatically uses this water to fill toilets. The unit purges or re-circulates the stored water at a designated interval to maintain water quality and to ensure it is always ready for reuse.

In addition, the Home Conservepump™ automatically adds well or city water if the storage tank is emptied and helps to prevent building damage from leaks and floods by turning the system off when it detects a problem (for instance burst pipes or a stuck flapper valve on the toilet).

For use in homes, businesses or cottages, the iDUS Home Conservepump™—the only smart water conservation technology—is affordable, reliable and quick to install and saves up to 30 per cent of daily water use.

The Home Conservepump™ is conveniently powered by an auto recharge battery with solar charge option.

Contact us at info@iduscontrols.com for more information or call us toll free at 1-855-758-9995.

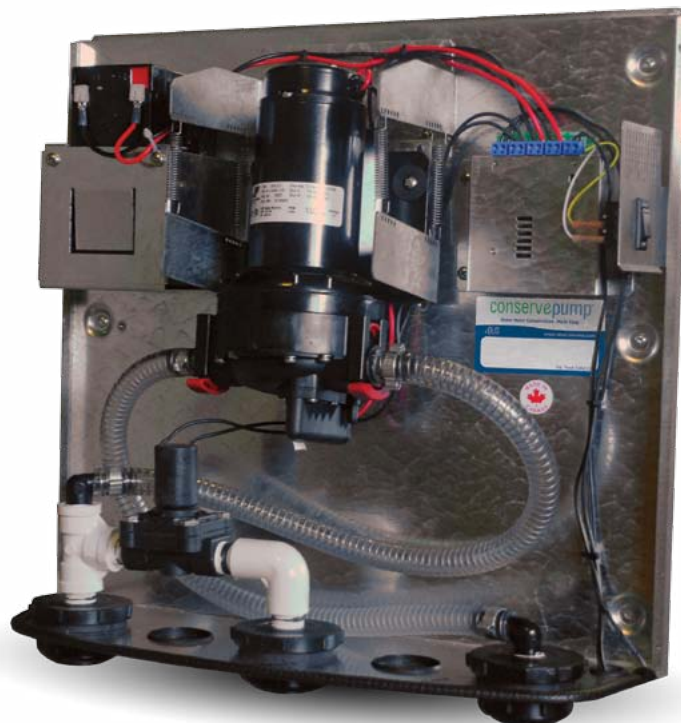
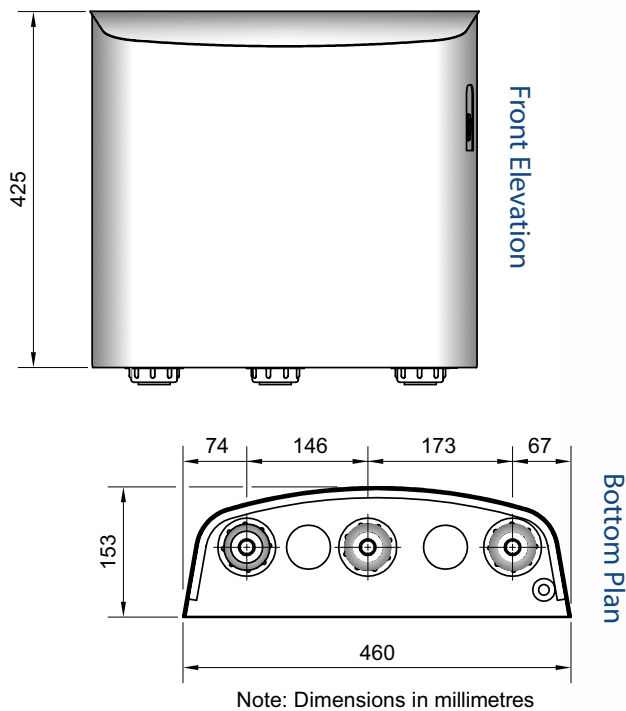


Key Features

- Saves up to 30 per cent of daily water use
- Doesn't require harmful chemicals
- Monitors greywater use and automatically flushes the system on a regular basis
- Automatically uses household water when greywater or rainwater has run out to make sure you can always flush
- Easily adaptable to the requirements of each installation as it can be used with any storage tank and toilet

Applications

- Residential or business use
- Particularly suited to applications where sewage is stored and hauled because one-third less flow to the holding tank means fewer pump outs and lowered costs



Technical Data

Components: The Home Conservepump™ case houses certified components including an industrial pressure water pump, solenoid-operated valve, a purpose-designed electronic controller, a recharging power supply and battery, and plumbing and electrical connections. A one year limited warranty is provided with each Home Conservepump™. *Links to component manufacturer's specifications are provided below.*

Housing: Electro-galvanized 18 GA Steel with Powder-coated aluminum shroud to NEMA 3R. Piping connections are into ½" FPT fittings in case.

Pump: Johnson WPS 4.0, model 10-13406-101, five chamber positive displacement diaphragm demand pump, self-priming suction lift max. 2m (6.5 ft.), 12 V, 10 A fuse, ISO 8846 protected, 50 psi shut-off. - http://www.johnson-pump.com/jpmarine/products/watersystem/aquajet_wps.html

Pressure			Flow		Draw
Bar	KPa	Psi	l/min	USGPM	Amperes
0	0	0	13	3.4	2.3
1.2	120	17.4	10.6	2.8	4.8
2.0	200	29	9.1	2.4	6.2
2.8	280	40.6	7.7	2.0	8.1

Battery: Sealed, lead-acid, 12 v, 7.2 AH, Battery/2000™, ISO-9002, CE, Model 2M-1275 - <http://www.battery2000.com/spec.html/#STANDARD%20SERIES>

Solenoid Valve: ITT Alcon, 986A-400N, 12 V DC, intermittent duty cycle, NSF-61 - <http://www.alcon-ecivalves.com/Specs5980.htm>

Transformer/ Power Supply: 120 VAC input, 12 V AC output, 1000mA, Part T1008-ND - <http://dkc1.digikey.com/ca/digihome.html>

Controller: iDUS Controls 6130-0030 Integrated Controller is a multi channel PLC - I/O - switching device designed and programmed specifically to operate the Home Conservepump™. Its built-in 12 VDC smart charger automatically accepts input from 12 AC, DC or photovoltaic panels. Sensor inputs are configured to provide the PLC the data it needs to operate the controller's electronic switches to run pump and valve cycles in accordance with Conservepump™ system algorithms and operational requirements. An OFF/RESET 10A circuit breaker/switch and audible alarm provide the primary user interface. LED's indicate charging status and mode of input power. The terminal block connection points are protected against reversed polarity. The backplane design prevents interference from and with RF sources.

Warranty: iDUS Controls Ltd. provides a one year limited warranty on the Home Conservepump™ and its components