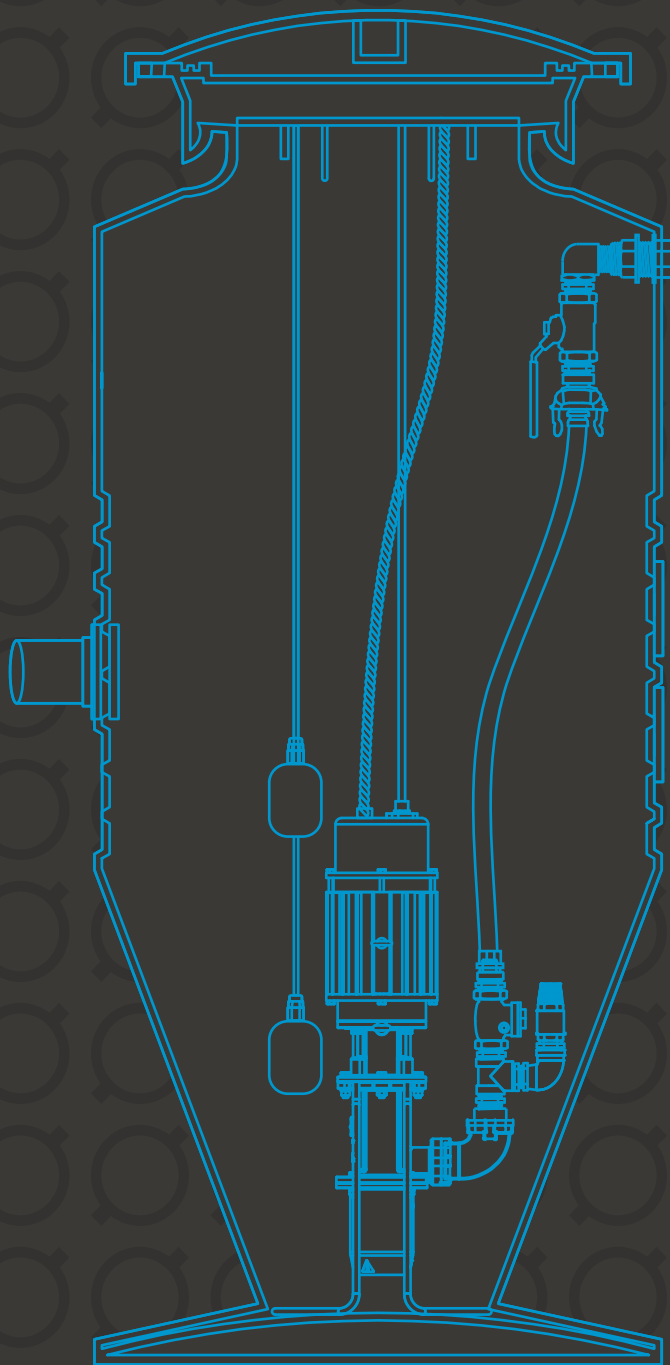




DrainAce

Pressure sewer system

The Global Water DrainAce pressure sewer pump station collects, grinds, and pumps sewage fully automatically. The 900 L polyethylene high-strength pump chamber complies with AS/NZS 1546.1:2008.

At the heart of the system is a unique high-head grinder pump that can pump long distances through small-bore pipes. This means difficult locations in steep terrain or high-water table areas can now be connected to the sewer. Developers, community planners, and homeowners have the freedom to develop areas that may have previously been unfeasible due to high-water table or rock.

The DrainAce pressure sewer pumping system is robust and almost maintenance free, with built-in pump overload and overpressure protection.



Features

- Minimal site works – prebuilt plug-and-play packages
- Largest range of poly pump stations in Australia
 - diameter to 1950 mm
 - depths to 5.2 m
 - capacities from 175 L to 10,500 L
- Chamber complies to AS/NZS 1546.1
- Flexibility of on-site inlet penetrations
- Fully customisable – huge range of pumps and controls
- Single or twin pumps, single or three-phase
- Corrosion-free linear low-density polyethylene (LLDPE) construction
- Low carbon footprint and fully recyclable tanks
- Above-ground pump and tank options available
- High-impact resistance
- Ultrasonic wall thickness tested
- 510 kg top load tested
- Above-ground units available

Applications

- Domestic and light commercial sewage or effluent
- Large residential subdivisions
- Common effluent reticulation schemes
- Industrial waste/buffer pits
- High-head effluent pumping
- Emergency storage/overflow



DrainAce

Pressure sewer system

Pump – standard

The GPGH32-110 positive displacement high-head grinder pump has a heavy-duty cutter impeller and cutter ring plus a helical rotor stage making it ideal for pumping wastewater and sewage in low-flow, high-head applications such as pressure sewer systems.

Features

- Cast-iron body for durability under harsh conditions
- Available in single or three-phase. Single-phase units are available with inbuilt float switch for fully automatic operation
- Heavy-duty double SIC mechanical seal
- Cutter impeller with hardened grinding ring cuts solids to smallest possible size to reduce clogging
- Freestanding mount or guide rail pedestal



Pump – premium

The NOV GPGN32-110W positive displacement high-head grinder pump is a premium unit in all stainless steel construction with stainless pipework and valves for ultimate durability in harsh conditions. It is fitted with a heavy-duty cutter impeller and cutter ring plus a helical rotor stage making it ideal for pumping wastewater and sewage in low flow, high-head applications such as pressure sewer systems.

Features

- All stainless steel construction for durability under harsh conditions
- Heavy-duty double SIC mechanical seal
- Cutter impeller with hardened grinding ring cuts solids to smallest possible size to reduce clogging
- Freestanding mount



Controller

A modern app-enabled pressure sewer controller designed specifically for pressure sewer applications, featuring advanced pump and motor protection, configurable operating modes, and built-in Wi-Fi commissioning and monitoring.

Features

- Single-phase 240 V, 14 A pump control
- Dry-run protection
- Pump overload protection
- Brownout detection
- High-level alarm
- Configurable start-up delay
- Configurable alarm delay
- Pump run window scheduling
- Manual pump operation
- Built-in alarm light and buzzer
- Optional battery backup
- Lockable isolation switch
- Optional generator plug with changeover switch
- BMS output
- Built-in Wi-Fi commissioning and monitoring from any Wi-Fi-enabled device
- UV-stabilised plastic or metal enclosure option
- IoT-ready connectivity



