



DrainAce™ Polyethylene Pump Stations

The DrainAce Polyethylene Pump Stations for sewer and stormwater combine a heavy duty polyethylene pit with a wide range of pumps to provide a prefabricated pumping station solution for many uses.



Polyethylene is a resilient light-weight material with excellent chemical resistance and is extremely strong. Holes can easily be cut for vent and conduit penetrations on site and inlet connections are moulded in.

A choice of cover options are available, including light duty hinged aluminium covers and light or heavy duty cast iron covers and hot dip galvanised grates.

A complete range of automatic or manual pumps are available to suit any application and they can be configured in single or twin pump arrangement.

The polyethylene pits can also be used as pH correction and buffer pits in trade waste treatment systems, holding tanks in tank farms and bunded areas, stormwater detention chambers, dump tanks in water and wastewater treatment systems.

The Global Water GP range of submersible pumps provide a dependable solution for a wide range of domestic, commercial and industrial pumping applications.

Available in automatic and manual versions, they are fitted with cutter or grinder mechanisms for sewerage and semi-open or vortex impellers for stormwater. Global Water GP range of submersible pumps are fitted with 10 m cables and integral overloads. Control panels for both single and dual pump systems with audible and visual alarms are also available if required.

Applications

- domestic and commercial sewage
- septic effluent
- industrial waste
- stormwater
- trade waste treatment



Pit specifications

Model	Capacity (L)	Diameter (mm)	Int. depth (mm)	Weight (kg)	Inlet invert from surface (mm)
DAP02	280	710 ²	960	21	600
DAP05	500	700	1400	28	1000
DAP06	650	1000	1000	50	500
*DAP11	1125	1000	1600	66	1100
*DAP16	1600	1000	2200	82	1700
*DAP20	2075	1000	2800	120	2300
*DAP31	3150	1400	2350	208	1800
*DAP61	6100	1950	2300	330	1000

*Department of Health Approved for Sewer

Cover (gas-tight) types

Reference no.	Loading	Type
LSP	No traffic	Plastic (DAP05)
LSHA	Pedestrian	Aluminium
LSCI	Light duty	Cast iron
HSCI	Heavy duty	Cast iron*

Note: *Requires load-bearing concrete surround

Pump specifications (for effluent /tradewaste vortex pumps may be suitable)

Model	Solid size (mm)	Phase	Power (kW)	Amps (A)	Outlet (mm)
GPC50-75	Cutter	1	0.8	6.0	50
GPC50-150	Cutter	1	1.5	9.5	50
GPG32-90	Grinder	1 or 3	1.8/2.0	11.6/4.6	32
GPG32-170	Grinder	1 or 3	1.6/1.7	10.6/4.0	32
GPG32-210	Grinder	3	2.1	4.75	32
GPG32-260	Grinder	3	2.6	5.6	32
GPG32-300	Grinder	3	3.0	5.6	32
GPG50-550	Grinder	3	5.5	10.3	50





Pit specifications

Model	Capacity (L)	Diameter (mm)	Int. depth (mm)	Weight (kg)	Inlet invert from surface (mm)
DAP01	175	710 ²	660	13	300
DAP02	280	710 ²	960	21	600
DAP05	500	700	1400	28	1000
DAP06	650	1000	1000	50	500
DAP11	1125	1000	1600	66	1100
DAP16	1600	1000	2200	82	1700
DAP20	2075	1000	2800	120	1800
DAP30	3000	1600	2300	165	1800
DAP61	6100	1950	2300	330	1000

Cover / grate types

Reference no.	Loading	Type
LSGRC	Pedestrian	Fibreglass cement
LSHA	Pedestrian	Aluminium - gas-tight
LSCI	Light duty	Gas-tight cover
HSCI	Heavy duty	Gas-tight cover*
LSGG	Light duty	Galvanised grate
HSGG	Heavy duty	Cast iron grate*

Note: *Requires load-bearing concrete surround

Pump specifications

Model Number	Phase	Power (kW)	Current (A)	Outlet (mm)	Solids (mm)
GPD32-25	1	0.25	1.9	32	10
GPD32-55	1	0.55	3.5	32	10
GPV40-110	1	1.1	7.1	40	40
GPV50-110	1	1.1	8.5	50	50
GPV65-180	1	1.8	11.6	65	60
GPV80-220	3	2.2	5.9	80	70
GPV80-300	3	3.0	7.8	80	70

