



The DrainAce Polyethylene Pump Stations for sewer, effluent 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 be simply cut on-site for inlet, vent and conduit penetrations. 1000 mm diameter pits are fitted with 100 mm inlet spigots at 500 mm up from pit invert at 90° locations.

A wide 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.

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 waste 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.

Arranged in either single or twin configurations, units are available in automatic and manual versions, and are fitted with cutter/grinder mechanisms or chokeless impellers for sewage, and semi-open or vortex impellers for stormwater and effluent. Control panels for both single and dual pump systems with audible and visual alarms are available if required.

Applications

- domestic/commercial sewage, septic and effluent
- industrial waste and washdown
- stormwater
- trade waste treatment
- rainwater harvesting
- solids settling
- buffer pits
- bund areas and spill control

Pit specifications



Pit model	Capacity (L)	Diameter (mm)	Internal 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
DAP30	3000	1650	2050	250	1650
DAP50	5000	1800	2400	375	2000
DAP61*	6100	1950	2300	330	1000

Note: * Department of Health approved for effluent use.

Cover types – gas-tight

Reference number	Loading	Type
LSP	No traffic	Plastic (DAP05, 30, 50)
LSHA	Pedestrian	Aluminium
LSCI	Light duty	Cast iron
HSCI	Heavy duty	Cast iron*

Note: * Requires load-bearing concrete surround

Pump specifications



Pump model	Type	Phase	Power (kW)	Current (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
GPS80-220	Chokeless	3	2.2	5.15	80
GPV80-230	Chokeless	3	2.3	4.6	80
GPV100-290	Chokeless	3	2.95	6.4	80/100

Pit specifications



Pit model	Capacity (L)	Diameter (mm)	Internal 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
DAP30	3000	1650	2050	250	1650
DAP50	5000	1800	2400	375	2000
DAP61	6100	1950	2300	330	1000

Cover types

Reference number	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



Pump model	Power (kW)	Current (A)	Voltage (V)	Outlet (mm)	Ø Solids (mm)
GPD32-25	0.25	1.9	240	32	10
GPV40-75	0.75	4.8	240	40	40
GPV40-110	1.1	7.0	240	40	40
GPV50-110	1.1	8.0	240	50	50
GPV65-180	1.8	11.6	240	65	60
GPV50-180	1.8	4.1	415	50	40
GPV65-200	2.0	4.6	415	50	40
GPV80-220	2.2	5.9	415	80	70
GPV80-230	2.2	4.6	415	80	75
GPV80-300	3.0	7.8	415	80	70
GPV100-290	2.95	6.4	415	80/100	75

Larger units available