



DrainAce

Polyethylene pump stations

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.

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 or grinder mechanisms or 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 and commercial sewage septic effluent
- industrial waste
- stormwater
- trade waste treatment
- rainwater harvesting
- solids settling

DrainAce

Polyethylene sewer stations

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 |
| DAP07* | 650 | 1000 | 1200 | 45 | 700 |
| DAP10* | 1000 | 1000 | 1700 | 60 | 1200 |
| DAP11 | 1125 | 1000 | 1600 | 66 | 1100 |
| DAP14* | 1450 | 1000 | 2300 | 75 | 1800 |
| 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 |

*Department of Health approved for effluent use.



Pump specifications

| Model | Type | Phase | Power (kw) | Current (A) | Outlet (mm) |
|------------|-----------|--------|------------|-------------|-------------|
| GPC50-75 | Cutter | 1 | 0.8 | 6.0 | 50 |
| GPC80-150 | Cutter | 1 | 1.5 | 9.5 | 80 |
| GPG32-90 | Grinder | 1 or 3 | 1.8/2.0 | 11.6/4.6 | 32 |
| GPG32-120 | Grinder | 3 | 1.2 | 3.29 | 32 |
| GPG32-170 | Grinder | 1 or 3 | 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 | 50 |
| GPG50-150 | Grinder | 1 or 3 | 1.5 | 9.5 | 50 |
| GPG50-550 | Grinder | 3 | 5.5 | 10.3 | 50 |
| GPS80-220 | Chokeless | 3 | 2.2 | 5.15 | 75 |
| GPV80-230 | Chokeless | 3 | 2.3 | 4.6 | 75 |
| GPV100-290 | Chokeless | 3 | 2.95 | 6.4 | 75 |



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* |

*Requires load-bearing concrete surround

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Polyethylene stormwater/effluent stations

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 |



Pump specifications

| Model | Power (kw) | Current (A) | Voltage (V) | Outlet (mm) | Ø Solids (mm) |
|------------|------------|-------------|-------------|-------------|---------------|
| GPD32-25 | 0.55 | 3.5 | 240 | 32 | 10 |
| GPD32-55 | 0.55 | 3.5 | 240 | 32 | 10 |
| GPV40-75 | 0.75 | 4.6 | 240 | 40 | 40 |
| GPV40-110 | 1.1 | 7.0 | 240 | 40 | 40 |
| GPV50-110 | 1.1 | 8.0 | 240 | 50 | 50 |
| GPV50-111 | 1.1 | 7.1 | 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 |



Cover types (gas-tight)

| Reference number | Loading | Type |
|------------------|------------|-----------------------|
| 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 | Galvanised grate* |

*Requires load-bearing concrete surround