

Grosvenor Product Range Overview (1)

*Prices correct at time of printing (02/12) - visit our website or contact us for the latest prices of our pumps.



PUMP TYPE	Pygme Single Acting Plunger Pump	Pygme Variflow Single Acting Plunger Pump	Pygme Diaphragm Pump Mk3	Pygme Variflow Diaphragm Pump Mk3	Pygme Variflow Diaphragm Pump Mk4	Pyxel Oil Supported Diaphragm Pump	S-Type Single Acting Plunger Pump	S-Type Diaphragm Pump	S-Type Variflow Diaphragm Pump
CHARACTERISTICS									
2012 Prices start from	£695	£795	£685	£860	£995	£735	Contact sales	Contact sales	Contact sales
Output—Fixed or Variable	Fixed	Variable	Fixed	Variable	Variable	Variable	Fixed	Fixed	Variable
Flow rate (L/hr) (Available from pump range)	1-318 L/hr	0-46 L/hr	30-485 L/hr	0-360 L/hr	20-500 L/hr	0-50 L/hr	54-860 L/hr	Up to 1200 L/hr	170-1200 L/hr
Pressure (Bar) **Depending on flowrate	Up to 175	Up to 100	Up to 10	Up to 10	Up to 6	Up to 70	Up to 42	Up to 5	Up to 5
Speed (SPM) (1450 rpm input)	60 or 240	60	60	60	12-75	60	100, 160, & 240	100	20-120
Motor Sizes (kW)	0.25 to 0.55	0.25 to 0.55	0.25 to 0.55	0.25 to 0.55	0.55	0.25	0.37 to 1.5	0.75 & 1.1	1.1
Port Connections (depending on pump size)	1/4" BSP & 1/2" BSP	1/4" BSP	1/2" BSP 3/4" BSP	1/2" BSP 3/4" BSP	1/2" BSP 3/4" BSP	1/4" BSP	1/2" BSP 3/4" BSP	1" BSP	1" BSP
Pump Dimensions (approx.)	L330 W160 H350 mm	L495 W165 H395 mm	L345 W230 H435 mm	L500 W230 H435 mm	L365 W230 H500 mm	L415 W160 H380 mm	L430 W190 H380 mm	L430 W260 H580 mm	L430 W260 H625 mm
Nett Weight (approx.)	21Kg	27Kg	28Kg	31Kg	30Kg	24Kg	33Kg	45Kg	54Kg

Technical Information

All pumps from the Grosvenor range can be used for:

- Chemical Dosing
- Chemical Injection/Feed
- Sampling
- Metering (set flow)

- Pressurisation
- Pressure Tests & Systems
- Food Processing & Beverages
- Treating Oil & Natural Gas
- Water Treatment & Purification

The pump is driven from a vertical flange mounted motor, through a worm and worm wheel to the eccentric. The eccentric then operates the pump end by a connecting rod.

Pumps are supplied with electric or air motors as standard, although if specified, pumps can be supplied without the motor.

Depending on the selected pump, standard motors can be between 0.25kW and 11.0kW.

Standard pumps can be fitted with higher rated motors in order to achieve higher pressure outputs..

All Grosvenor Pumps can be fitted with mechanical or electrical speed control in order to achieve the desired output. A latest feature to the Grosvenor range is the **Grosvenor Varitronic Control System**. The Varitronic unit can be fitted to new pumps or retrospectively to existing pumps already in use.

Grosvenor's Pumps have been built with simplicity and durability in mind. All gearbox parts are lubricated by an oil bath. The gearbox only requiring a periodical check of oil level and routine oil changes.

The gearbox casing is high grade cast iron and a separate pump head is available in a range of alternative materials to suit a wide range of aggressive liquids.

Grosvenor Product Range Overview (2)

*Prices correct at time of printing (02/11) - visit our website or contact us for the latest prices of our pumps.



High Pressure S-Type Plunger Pump	High Pressure I-Type Plunger Pump	High Pressure L-Type Plunger Pump	M-Type Double Acting Piston Pump	I-Type Double Acting Piston Pump	L-Type Double Acting Piston Pump	Hand Pressure Test Pump	Pressure Test Pump (available with or without 18ltr holding tank)
Contact sales	Contact sales	Contact sales	Contact sales	Contact sales	Contact sales	£110	£1,450
Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Depending on pump selected
25-136 L/hr	135-750 L/hr	272-1180 L/hr	295-2318 L/hr	1250-4320 L/hr	2910-11,365 L/hr		Can be fitted with any Grosvenor plunger pump
Up to 260	Up to 248	Up to 248	Up to 20	Up to 20	Up to 26	25, 50, 80, 100	Up to 250
100	100	114	100, 160, 240	112, 148, 185	134 & 167		Depending on pump selected
0.37 to 1.5	1.5 to 4	3 to 11	0.37 to 1.5	0.75 to 4	1.5 to 7.5		Depending on pump selected
1/4" BSP 1/2" BSP	1/2" BSP 3/4" BSP	1/2" BSP 3/4" BSP 1" BSP	1" BSP	Suction 1.1/2" Delivery 1.1/4" BSP	Suction 2" Delivery 1.1/2" BSP	1/4" to 1/2" BSP	Depending on pump selected
L450 W210 H— mm	L675 W250 H— mm	L905 W406 H— mm	L450 W200 H400 mm	L700 W300 H635 mm	L730 W400 H700 mm	L300 mm W185 mm H310 mm	With tank: L844 W460 H584 mm Without tank: L510 W270 H520 mm
33Kg	150Kg	175Kg	50Kg	150Kg	275Kg	4.6Kg	With tank: 50Kg Without tank: 33Kg

Standard Materials of Construction - Pump Head

- Handling Water and aggressive liquids at high temperatures and Pressures
- Boiler Feed
- Condensate Return
- Autoclaves
- Feeding Low Output Steam Generators
- Hot Water to Steam Generators
- Power Station Applications
- Any other application where economical positive feed of liquids is required

The Pump Ends for the **standard Plunger Pump Ranges are available with** either 316 Stainless Steel or Cast Iron and Brass components.

Valve assemblies are 316 Stainless Steel or Brass.

The valve balls are available in 316 Stainless Steel, PTFE or Polypropylene.

Valve springs are 316 Stainless Steel.

Gland seals and O-rings are Nitrile or PTFE.

The standard **Piston Range utilises a Cast Iron body with** internal parts of Stainless Steel, Bronze and Brass. Valves are of poppet type with Nitrile or PTFE seals. The standard gland seals and bucket cups are Nitrile.

The **Diaphragm Range** is available with wetted parts in high grade engineering plastics or 316 Stainless Steel enabling a wide range of aggressive liquids to be handled, and no gland means no leakage. A secondary diaphragm can be fitted to maintain flow if the primary diaphragm ruptures, with a sensor to operate a local or remote alarm.

Mechanically actuated diaphragm pumps require minimal maintenance. The pump head can run dry.

Our standard pump head is made from uPVC or 316 Stainless Steel with a PTFE diaphragm. Standard units operate up to 60°C although other materials are available on request. Valve balls are available in Glass or Stainless Steel. Valves are uPVC or Stainless Steel.