

Wastewater Process

Submersible Sewage Pump

BGP-SEP Series



Description

For pumping sewage water in permanent or mobile installations.

- Wastewater and sewage from industrie.
- Sewage pumping.
- Sewage treatment plants
- Manure pumping in farms
- Sludges up to maximum of 6% dry matter.
- Build in cast iron
- Double mechanical seal

Model Number:

BGP-SEP-550-50NX

SEP: Series Name

550: Motor Power

- 550: 0.75HP •1100: 1.5HP
- 750: 1HP •1500: 2HP

50: Discharge Diameter

- 50: 2" (50mm)

N: Discharge flange thread

- N: NPT Thread •B: BSP Thread

F: Float Switch option. Float Switch (available in single phase voltage)

- F: With Flow switch •X: No float switch

C: Motor Voltage

- C: 115v •D: 230v •E: 208-230v •F: 460v

6: Frequency

- 6: 60Hz •5: 50Hz

S: Phase

- S: Single Phase •T: Three Phase

Features:

- Vortex impeller with non-clog capability.
- Mechanical Seal
- Operation with frequency converter
- Longitudinally watertight cable inlet.
- Smooth operation
- Simple installation via suspension unit or pump base.

Technical Data:

- Standard power connection for 60Hz, Single phase 1Ø available 120v-240v, three phase 3Ø available from 208-230/460v.
- Protection IP68
- Insulation Class: F
- Free passage up to 45mm.
- Max fluid temperatura: 37 °F - 104°F (3°- 40°F)
- Max immersion depth: 10m

Materials:

- Motor Housing: ASTM-A48
- Hydraulic Housing: ASTM-A48
- Impeller: ASTM-A48
- Mechanical seal: Carbon/Ceramic(SiC/Si on request)
- Shaft end: AISI410
- Oil Chamber: ASTM-A48

Options:

- Guide rail device with upper guide.
- Single phase models available with float switch.
- Type of connection Direct or Elbow according to the power consumption.
- SiC/SiC Mechanical seal.
- Switch gears.

Dry Running:

Dry running operation of the BGP-SEP series is not possible.

The pump casing must always be submerged, please use a switch gear with floating switch, the system should shut down automatically once the minimum water submersion is reached

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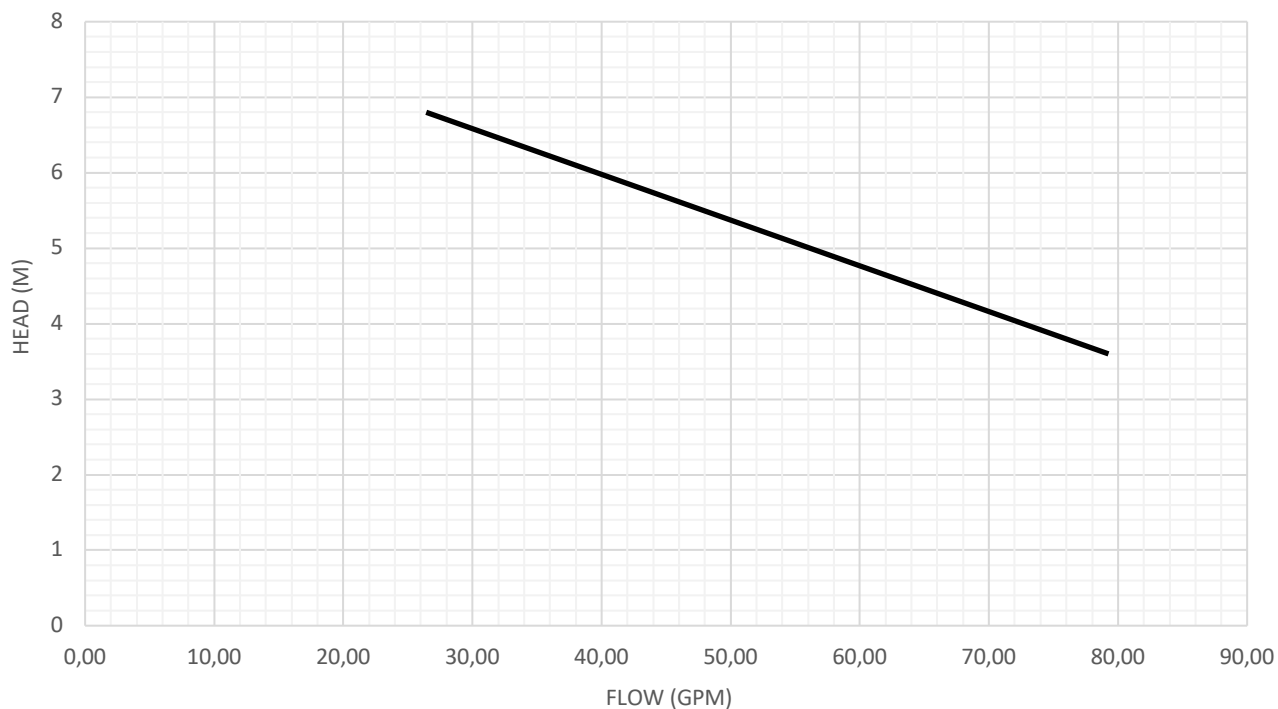
BGP-SEP Series



Pump Curve, Technical data BGP-SEP-550 series 3450rpm

Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
SEP-550-50NX	Vortex	2" – 50mm	NPT	Available	45mm	20.2kg – 44.5lbs

BGP-SEP-550 (0.75HP) 60Hz



Part Number	Model	HP	Kw	Phase	Volts	RPM
140314	BGP-SEP-550NX	0.75HP	0.55Kw	1	115v	3450
140315	BGP-SEP-550NX	0.75HP	0.55Kw	1	230v	3450
140316	BGP-SEP-550NX	0.75HP	0.55Kw	3	230v	3450
140317	BGP-SEP-550NX	0.75HP	0.55Kw	3	460v	3450

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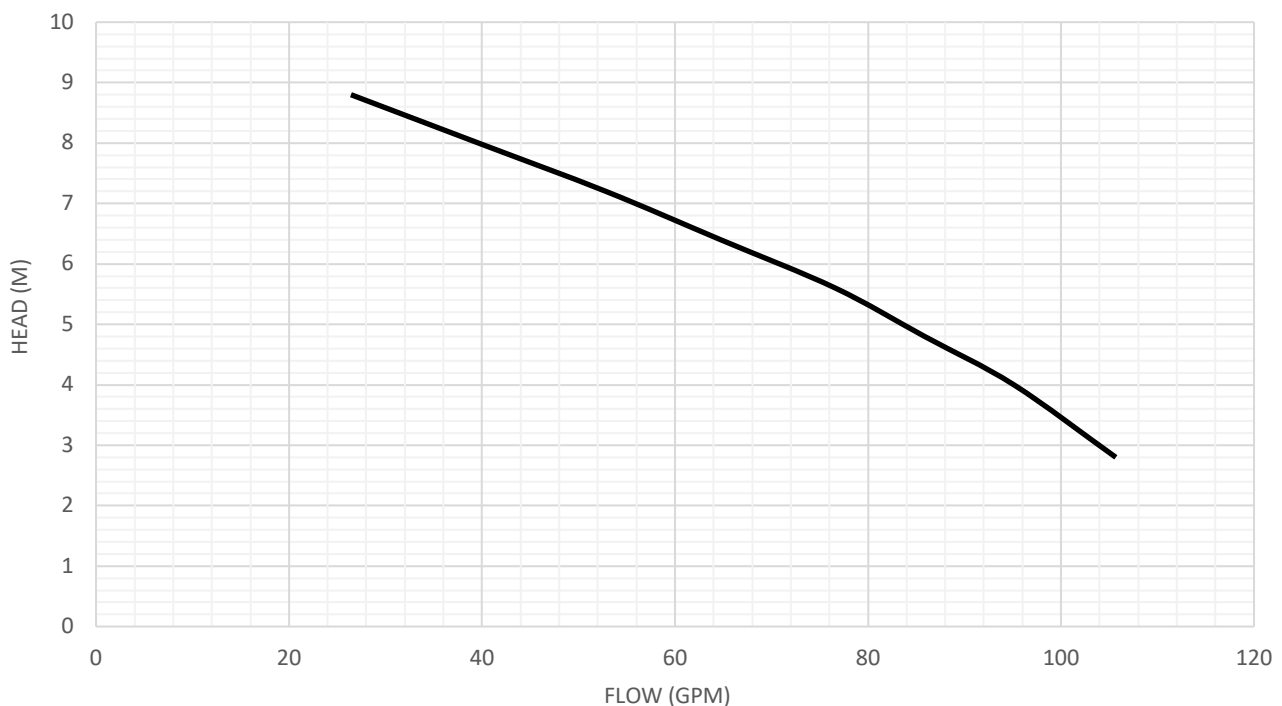
BGP-SEP Series



Pump Curve, Technical data BGP-SEP-750 series 3450rpm

Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
SEP-750-50NX	Vortex	2" – 50mm	NPT	Available	45mm	21kg – 46.3lbs

BGP-SEP-750 (1HP) 60Hz



Part Number	Model	HP	Kw	Phase	Volts	RPM
140318	BGP-SEP-750NX	1HP	0.75Kw	1	115v	3450
140319	BGP-SEP-750NX	1HP	0.75Kw	1	230v	3450
140320	BGP-SEP-750NX	1HP	0.75Kw	3	230v	3450
140321	BGP-SEP-750NX	1HP	0.75Kw	3	460v	3450

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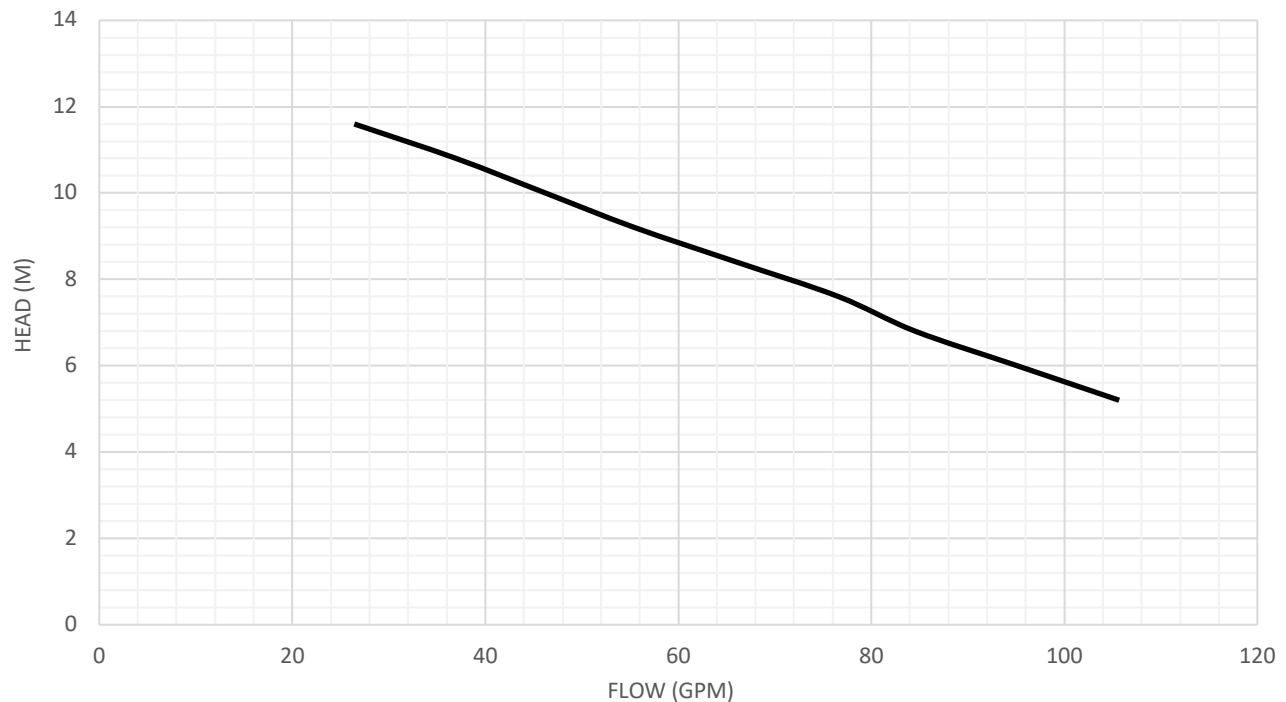
BGP-SEP Series



Pump Curve, Technical data BGP-SEP-1100 series 3450rpm

Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
SEP-1100-50NX	Vortex	2" – 50mm	NPT	Available	45mm	23.3kg – 51.36lbs

BGP-SEP-1100 (1.5HP) 60Hz



Part Number	Model	HP	Kw	Phase	Volts	RPM
140322	BGP-SEP-1100NX	1.5HP	1.1Kw	1	115v	3450
140323	BGP-SEP-1100NX	1.5HP	1.1Kw	1	230v	3450
140324	BGP-SEP-1100NX	1.5HP	1.1Kw	3	230v	3450
140325	BGP-SEP-1100NX	1.5HP	1.1Kw	3	460v	3450

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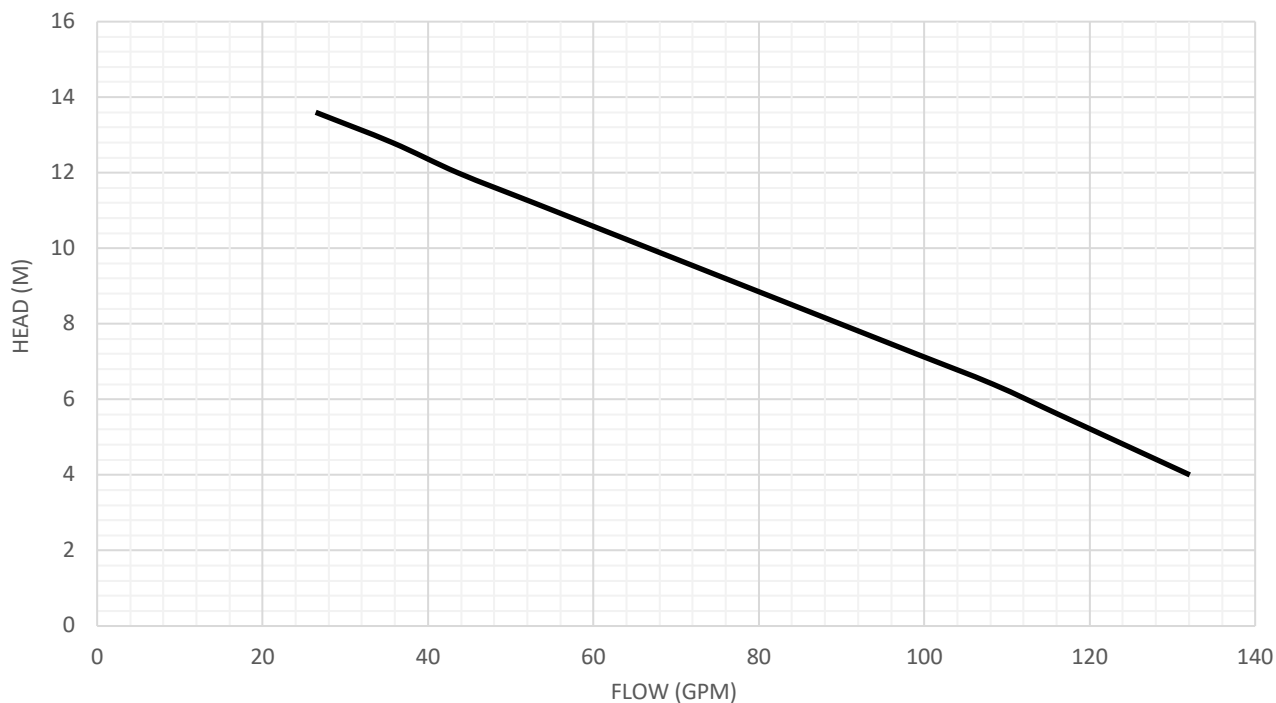
BGP-SEP Series



Pump Curve, Technical data BGP-SEP-1500 series 3450rpm

Pump Type	Type of Impeller	Discharge [in/mm]	Threaded Flange	Suspension Device	Solids [in/mm]	Weight [kg/lbs]
SEP-1100-50NX	Vortex	2" – 50mm	NPT	Available	45mm	25kg – 55lbs

BGP-SEP-1500 (2HP) 60Hz



Part Number	Model	HP	Kw	Phase	Volts	RPM
140326	BGP-SEP-1500NX	2HP	1.5Kw	1	115v	3450
140327	BGP-SEP-1500NX	2HP	1.5Kw	1	230v	3450
140328	BGP-SEP-1500NX	2HP	1.5Kw	3	230v	3450
140329	BGP-SEP-1500NX	2HP	1.5Kw	3	460v	3450