

BIOX

STAINLESS STEEL SUBMERSIBLE DRAINAGE PUMP



OMNIA



FEATURES

Strong, durable and corrosion resistant stainless steel construction.

Drainage level to 45mm.*

Free passage to 40mm.

Vortex impeller.

Mechanical seal and lip seal.

Float switch.

Moisture sealed cable inlet.

Max head - 10m.

Max flow - 350lpm.

APPLICATIONS

- Disposal of domestic waste water including effluent water.
- Dewatering (clean water).

PUMP INFORMATION

Vertical, single-stage, submersible pump capable of pumping solids up to 20mm in diameter. 2" BSP (male) discharge port.

Pump casing:	304SS.
Motor body:	304SS.
Impeller:	304SS.
Motor shaft:	304SS.
Mechanical seal:	Graphite ceramic with lip seal.

OPERATING CONDITIONS

Drainage pump for the disposal of waste water, including rainwater lightly polluted (non-aggressive) and effluent waste liquids containing particles up to 40mm. Install pump vertically (hose connection possible).

Fluid:	Water.
Maximum water temperature:	40°C.
Minimum water temperature:	1°C.
Maximum submergence:	7m.
Minimum drainage level:	45mm*
Pump on level (fact. set)	400mm.
Pump off level (fact. set)	300mm.

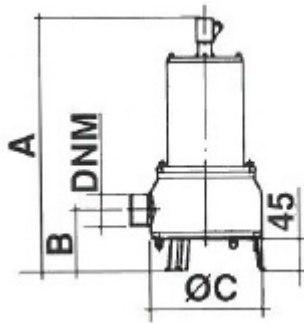
*when operated manually.

ELECTRICAL DATA

Type	Type of current	Voltage $\pm 10\%$	Frequency Hz	Motor rating kW		RPM min	Current Ampere	Motor protection	Insulation class	IP rating	Cable length
				P1	P2						
Biox 300/10	1-phase	230	50	1.3	0.9	2850	5.8 A	Auto	F	IP 68	10 m

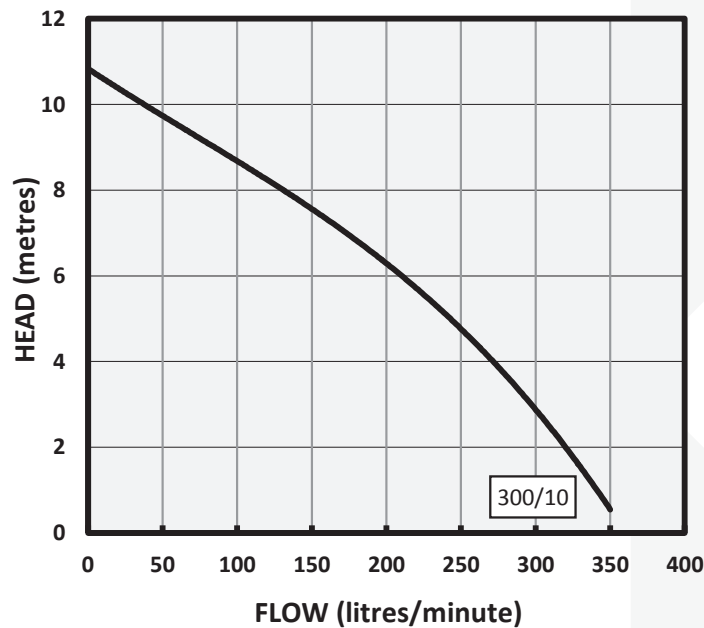
DIMENSIONS

Type	A	B	$\varnothing C$	Weight approx.	Packed L x W x H	Packed weight	Discharge branch	Free passage	Continuous operating temperature range
Biox 300/10	410	90	164	9 kg	225 x 190 x 460 mm	11 kg	2" BSP (male)	40mm	1°C - 40°C



PERFORMANCE

Type	P/No	Delivery head [m]	1	2	3	4	5	6	7	8	9	10
Biox 300/10	P2091010	Flow rate capacity [lpm]	342	321	297	272	243	211	173	132	85	47



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