

# SUBMERSIBLE EFFLUENT VORTEX PUMP FOR DIRTY WATER - BIOX

## APPLICATIONS:

- Draining sewage with suspended solids
- Pumping stations with one or more pumps for civil and rural plants suitable for emptying of seepage water, emptying of cesspit and draining of sewage systems

## MOTOR:

- Dry motor
- Level of protection IP68
- Class F insulation
- Single-phase power supply
- 230V  $\pm$ 10% 50Hz with capacitor permanently activated and thermal protection built into the motor winding
- Completely insulated cable connection chamber
- Self-lubricating ball bearings
- Speed of rotation 2850rpm

## USAGE LIMITATION:

- Waste water and sewage with solids
- Maximum liquid temperature 40°C
- Maximum submersion under the water level 7m
- Free clearance of solids : 40mm



## MATERIAL:

Component	Material	
Pump casing	X5 CrNi 1810 Stainless steel ( AISI304 )	
Suction base	X5 CrNi 1810 Stainless steel ( AISI304 )	
Impeller	X5 CrNi 1810 Stainless steel ( AISI304 )	
Outlet	Threaded	
Power cable	10m H07 RN-F with plug	
Motor shaft	X12 CrNiS 1809 Stainless steel ( AISI 416 )	
Mechanical seal	Silicium carbide	
Counterface	Silicium carbide	Oil chamber for seal lubrication
Secondary seal	NBR rubber lip seal	
V-ring sand guard	NBR rubber	

Ref. ABE	POMP.BIOX200-8A	POMP.BIOX300-10A	POMP.BIOX400-12A
Product code	N2091020	N2091040	N2091060
Motor power	900W	1300W	1600W
Dynamic head / max. pressure	9m / 0,9 bar	11m / 1,1 bar	12m / 1,2 bar
Max. flow	15000 l/h	21000 l/h	27000 l/h
Pump casing	Stainless steel	Stainless steel	Stainless steel
Minimum drainage level	45 mm	45 mm	45 mm
Impeller	Stainless steel AISI 304	Stainless steel AISI 304	Stainless steel AISI 304
Free clearance of solids	40 mm	40 mm	40 mm
Ø outlet	Ø 1" 1/2 M	Ø 2"	Ø 2"

## HYDRAULIC PERFORMANCE:

