

## Application

Many of the biological small sewage treatment plants on the market need a pump to transport the sewage. oxylift submersible pumps with their special optimised hydraulics and housing shape were specifically developed to take care of this task. They are particularly suited for the transport of activated sludge mixtures in SBR treatment systems or for the pumping of mechanically pre-screened as well as treated domestic sewage. The combination of pump impeller designed specifically to minimise the danger of blockage together with its large solids passage and tangentially located pump discharge outlet ensure reliable operation.

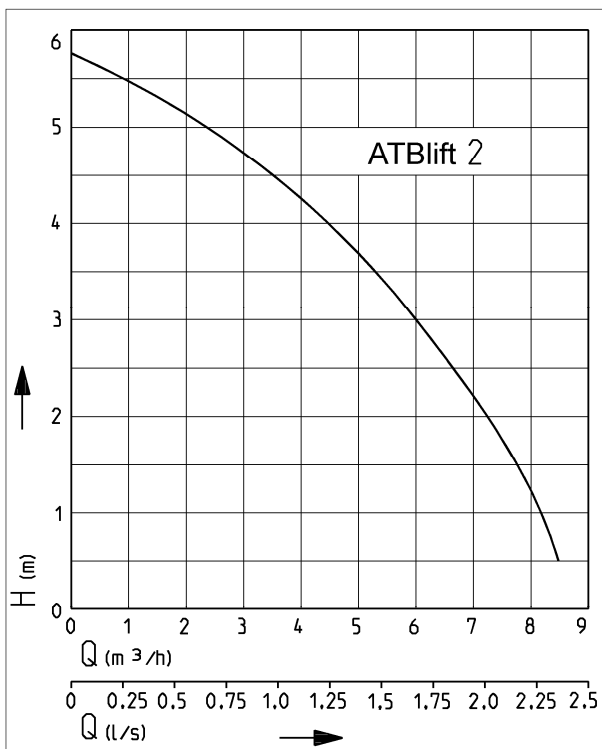
ATBlift pumps are available with or without level controls and can be combined with the submersible aerators of the AQUA series to provide a powerful and easy to maintain SBR system. The shape and construction of both the ATBlift and the AQUA units have been selected to ensure conformity with other common units in the market made by other manufacturers.

This gives a maximum of comfort when carrying out repairs on existing SBR systems supplied by other manufacturers.

A particular feature emphasising the service friendly nature of the units is the easy fit cable inlet at the upper lid of the pump. A screw-on plug-in system allows a free choice of cable length and avoids troublesome cable repair work when changing aerators or pumps in an SBR system.



## Characteristic line



- Large free passage of 15 mm
- EIP technology
- Safe to run dry
- Available with or without level control
- Removable inlet screen
- Quick release cable inlet, encapsulated in resin to prevent moisture entering Motor
- Neutral product design
- 1:1 exchangeability with other common units on the market

We reserve the right to change specification without notice.  
Pump performance is subject to ISO 9906 tolerances

The min. flow velocity in the pressure piping must be 0.7 m/s according to EN 12056.  
This data is represented in the performance curve as a limit of application

Type	Max. height x width	Discharge branch	Free passage	Cable quality	Cable length	Weight appr.	Code No.
ATBlift 2 without level control	293 x 167 mm	1 ¼"	10/15 mm*	HO7RN-F-3G1,0	10 m	4,2 kg	68100051
ATBlift 2 S with level control	293 x 276 mm	1 ¼"	10/15 mm*	HO7RN-F-3G1,0	10 m	4,4 kg	68100049
ATBlift 2 without level control	293 x 167 mm	1 ¼"	10/15 mm*		without cable	3,0 kg	68100053
ATBlift 2 S with level control	293 x 276 mm	1 ¼"	10/15 mm*		without cable	3,2 kg	68100052

\*10 mm with inlet screen

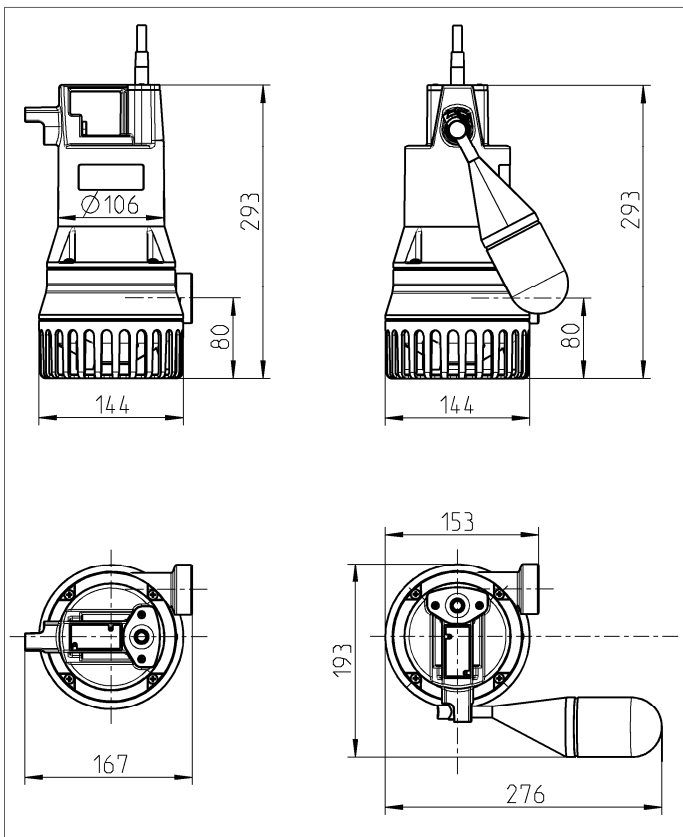
## Performance

Type	H [m]	1	2	3	4	5
ATBlift 2 (S)	Flowrate Q [m3/h]	8	7,3	6	4,2	2,2

## Electrical Data

Type	Type of current	Voltage Volt	Motor rating P <sub>1</sub>	kW P <sub>2</sub>	RPM min <sup>-1</sup>	F.L.C Ampere	Motorprotection
ATBlift 2 (S)	1-phase	1/N/PE~230	0,3	0,2	2720	1,3	integrated

## Dimension ATBlift (mm)



## Technical Data

### Pump

Vertical, single stage, fully flood proof, inlet screen with 10 mm free passage, volute casing with 1¼" internal thread, hydraulics with EIP technology and open 5 blade propeller.

### Bearings

Common shaft for pump and motor mounted in ball bearings, maintenance free with permanent grease lubrication.

### Seal

Shaft seal with three stages of lip seals and intermediate oil chamber, safe to run dry.

### Motor

Fully submersible, protection type IP68, insulation class B, motor thermostat for safety switch off on overheating with automatic switch-on after cooling sufficiently, quick release cable inlet, encapsulated in resin to prevent moisture entering motor should cable damage occur.

### Materials

Motor housing, shaft and fasteners in stainless steel, volute, impeller and upper lid with level control of plastic (GRP), rubber insulated power cable.

### Scope of supply

Pump supplied ready for connection with 10 m cable with or without level control. Version 5 m with level control also available.