

A100



Product description

The innovative Abyzz A200 pump with its titanium impeller consists of a powerful and programmable driver and a sine-wave controlled, three-phase synchronous LOW-VOLTAGE pump. This safety feature allows to use the pumps within systems, where human or animal interaction is needed. The insulation of the 12V to the motor meet medical grade standards. The full controlability as well as the highly efficient motor makes it an energy-saving solution.

The integrated bearing flushing provides optimum protection against calcination and, in conjunction with the silicon carbide bearings and special hard metal shaft, ensures low-maintenance operations. All materials used are designed to have a long lifetime and meet the highest requirements and quality standards. This product is developed and manufactured in Germany by venotec.

Special features

- Variable speed range (0 - 100%)
- Integrated programming to generate waves, bursts and random flow patterns with additional BOOSTMODE to override actual programming (MCFS - Menu Controlled Flow Sequencer)
- Comprehensive safety functions, such as dry run warning, temperature alert and many more)
- Soft startup
- Auxillary connector for peripheral devices (e.g. interfacing to external controllers)
- High quality IP65 motor cable connector
- Low-noise operation
- Motor runs on safety voltage (12V DC)
- Wide range input
- Lockable power chord
- Discharge can be placed in different directions

Applications

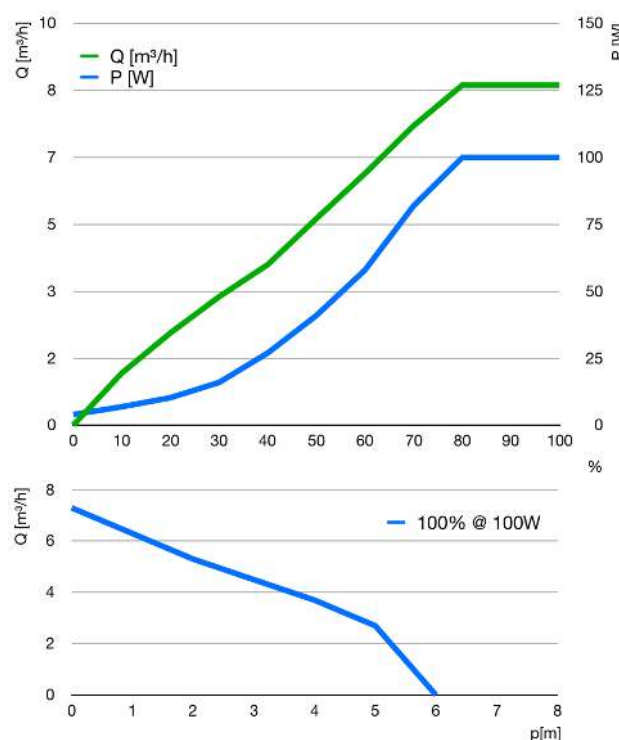
- Freshwater and seawater aquaristics
- Pond filter systems
- Creeks
- Water features
- Commercial applications

Technical data

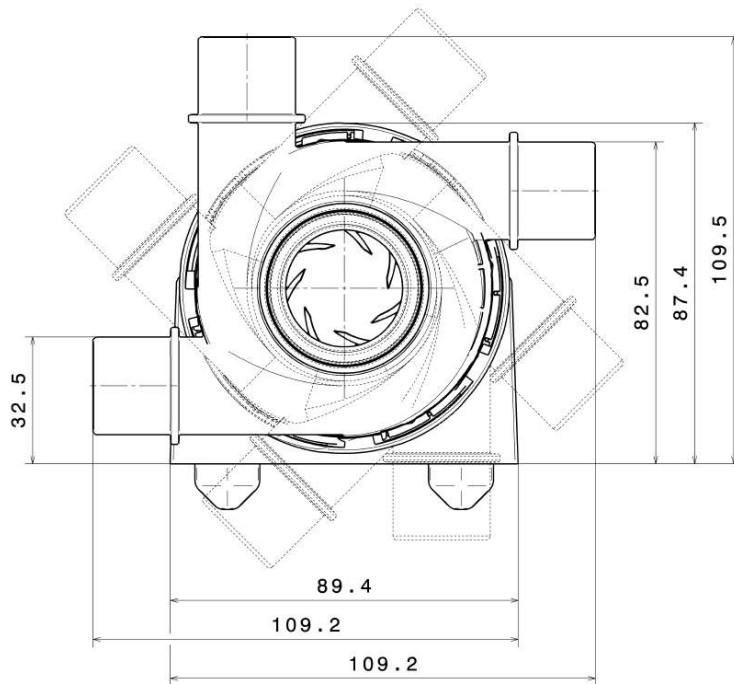
The pump pipes can be immersed or mounted in a dry position. Please note that this pump is not self-priming and thus has to be mounted under water level.

Maximum flow rate	: 8.500/h (2,250gph)
Rated flow rate	: 7.300/h (1,930gph)
Pump ambient temp.	: 1...50°C (34...122°F)
Driver ambient temp.	: 0...30°C (32...86°F)
(without additional cooling)	
Max. discharge speed	: 5,8m/s (19ft/s)
Delivery height	: 6m (19.7ft)
Power consumption	: 4...100W
Operating voltage	: 100...240V~
Operating frequency	: 50...60Hz
Maximum operating pressure	: 1,2bar (17.4psi)
Maximum immersion depth	: 2m (6.5ft)
Pump cable length	: 2m (6ft)
Inlet/outlet connections (metric)	: 40/25mm
(suitable for PVC/AVB adhesive fittings, imperial adapters available)	

Characteristics

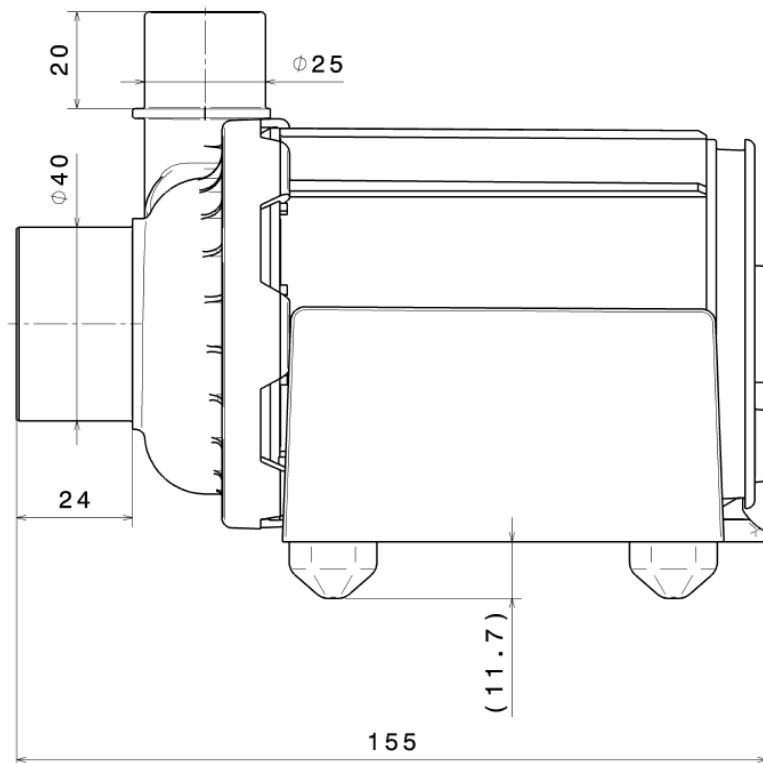


Dimensions of Pump



Scope of delivery

- Abyzz A100 pump and driver
- Mains cable (1.5m)
- Connecting cable
- Operating manual



(All dimensions in mm)

We reserve the right to make technical changes.