

## AFC150 IPU „compact“



### Product description

The innovative Abyzz Flow Cannon AFC150 „compact“ with its high-end design including a titanium rotor unit and titanium housing consists of the pump itself and a powerful and programmable driver. Containing a very energy efficient motor and providing the exact adjustment for your application, it offers a very energy-saving solution.

The integrated bearing flushing provides optimum protection against calcification and, in conjunction with the silicon carbide bearings and special hard metal shaft, ensures low-maintenance operation.

All metal parts are made out of titanium grade 2 and other parts are made out of high quality plastics. This composition ensures a long lifetime, thus granting highest sustainability and lowest carbon footprint. Several mounting options are offered to suit any needs and due to many available mounting points, even a customer specific mounting can be done very easily. The special prop design and a well designed hydraulic lets the pump operate with almost no noise or vibration. The integrated flow straightener provides a laminar and powerful water movement. Easy programming (as in any Abyzz pump) and the possibility to link to external controllers offers a wide field of application.

The 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.

**„Made in Germany“**

### Special features

- Variable speed range (-70.0 - 100.0%)
- CW and CCW operation
- Precise speed adjustment in steps of 0.1%
- Integrated programming to generate waves, bursts and random flow patterns with additional BOOSTMODE to override actual programming (MCFS - Menu Controlled Flow Sequencer)
- SELF - Safety Extra Low Voltage (12V motor supply)
- Comprehensive safety functions, such as dry run warning, temperature alert, overcurrent protection, speed zero alert
- Soft startup and dynamic control
- Auxillary port for peripheral devices (e.g. interfacing to external controllers)
- High quality IP65 motor cable connector
- Low-noise operation
- Multicolor background LC display
- Splashwaterproof driver (IP65)
- Wide range input with active power factor correction
- Optimized heat sink design

### Applications

- Freshwater and seawater aquaristics
- Creeks
- Water features
- Commercial applications

### Technical data

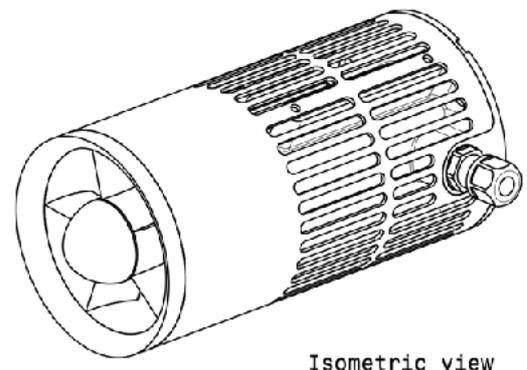
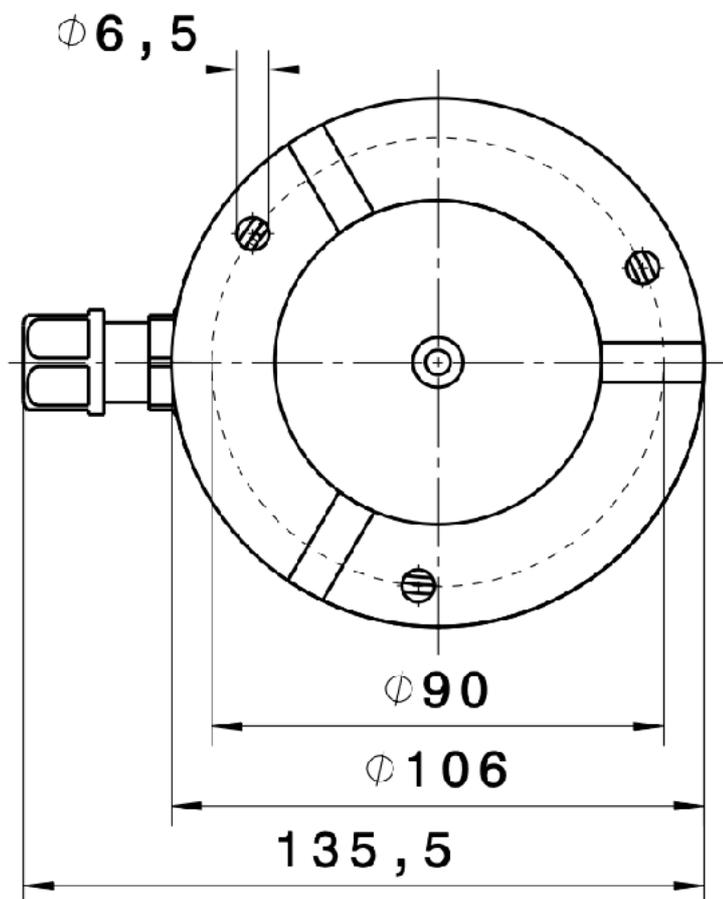
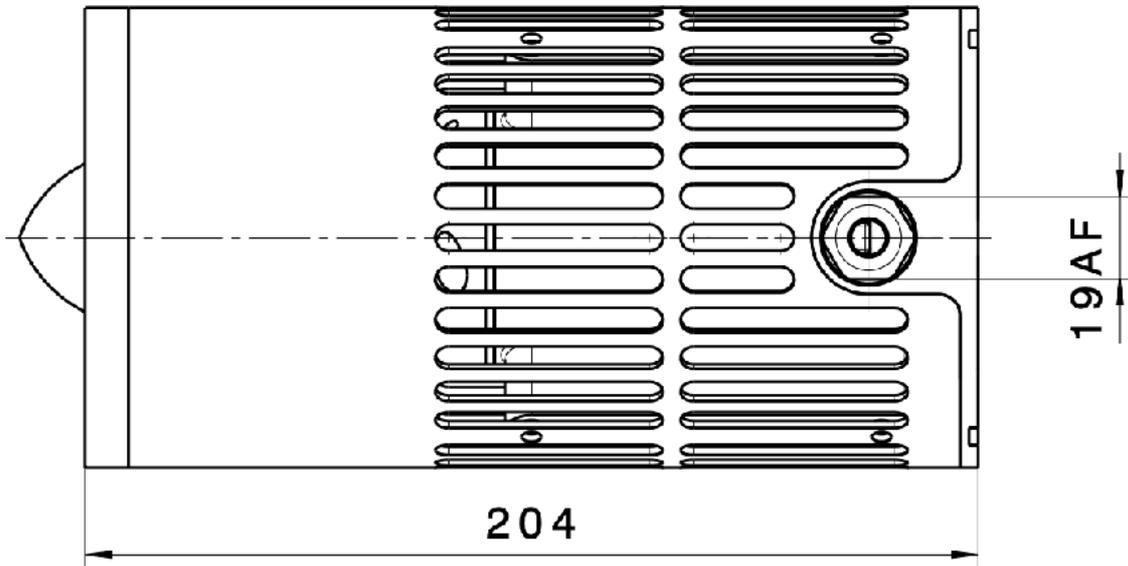
Mounting only submersed, minimum submersion depth 0,4m.

Flow (nominal)	: 54.000l/h (238gpm)
Flow (max.)	: 60.000l/h (264gpm)
Pump ambient temp.	: +1...50°C (35...122°F)
Driver ambient temp.	: +1...30°C (35...86°F)
(without additional cooling)	
Max. discharge speed	: 4m/s (12ft/s)
Power consumption	: 4...150W
Operating voltage	: 100...240V~
Operating frequency	: 50...60Hz
Maximum immersion depth	: 2.5m (8ft)
Pump cable length	: 3m (10ft)

### Scope of delivery

- Abyzz AFC150 pump and IPU driver
- Operating manual (download)

## Dimensions of pump



### **MOUNTING**

The integrated mounting options are the 3 holes in the rear plate, which can be used for customer specific mounting. Other mounting options as e.g. magnetic mount are available separately.

(All dimensions in mm)

We reserve the right to make technical changes.