

# AFC400



## Product description

The innovative *Abyzz Flow Cannon AFC400* with its high-end design including a titanium rotor unit, titanium mounting frame and carbon fibre parts next to durable plastics 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 PA, PVC and carbon fibre. 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 three-bladed prop and a well designed hydraulic lets the pump operate with almost no noise or vibration. An additional coat flow ring provides low output speed and a softened laminar flow. 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“

## Warranty

The pump has a 1 year manufacturer warranty, after registration without additional costs the warranty is changed to a 10 year limited lifetime warranty according to our warranty rules.

## Special features

- Variable speed range (0 - 100%)
- Programmable control system (e.g. wave and random modes)
- Comprehensive safety functions (e.g. dry run, temperature and overcurrent protection)
- Soft startup
- Bus interface for peripheral devices
- Lockable plug contacts
- Low-noise operation
- Wide range of mounting options
- Rock-stable mounting available (not included)

## Applications

- Freshwater and seawater aquaristics
- Ponds
- Creeks
- Large scale aquariums
- Shark tanks

## Technical data

Mounting only submersed, minimum submersion depth 0,6m.

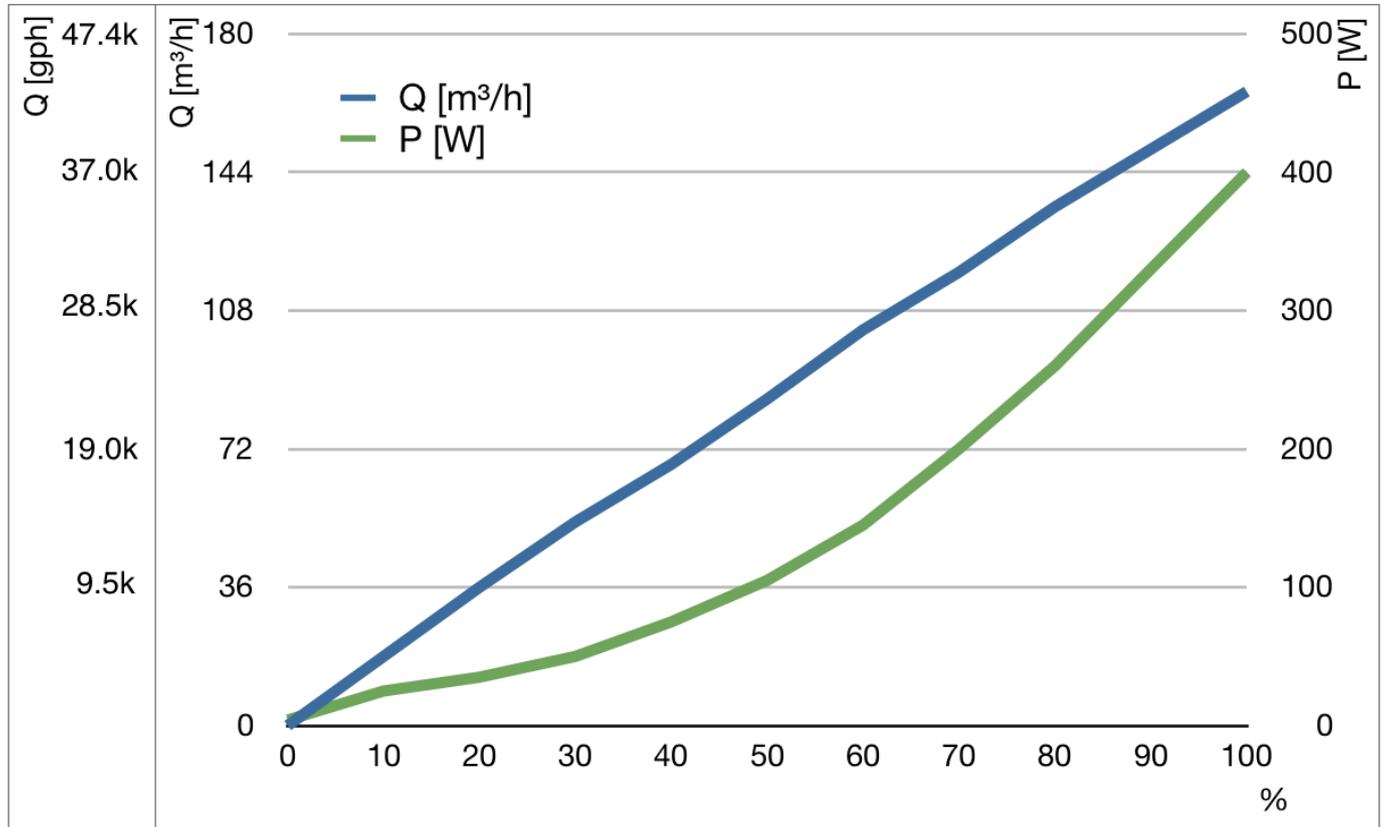
Flow (nominal)	: 165.000 l/h	(720 gpm)
Flow (max.)	: 220.000 l/h	(960 gpm)
Discharge speed (max.)	: 3,3m/s	(10ft/s)
Power consumption	: 4...400W	
Operating voltage	: 200...240V~ or 90...120V~	
Operating frequency	: 50...60Hz (mains)	
Ambient temperature	: +2°C...+40°C (driver)	
Immersion depth (max.)	: 8m	
Cable lenth (pump)	: 10m	

## Scope of delivery

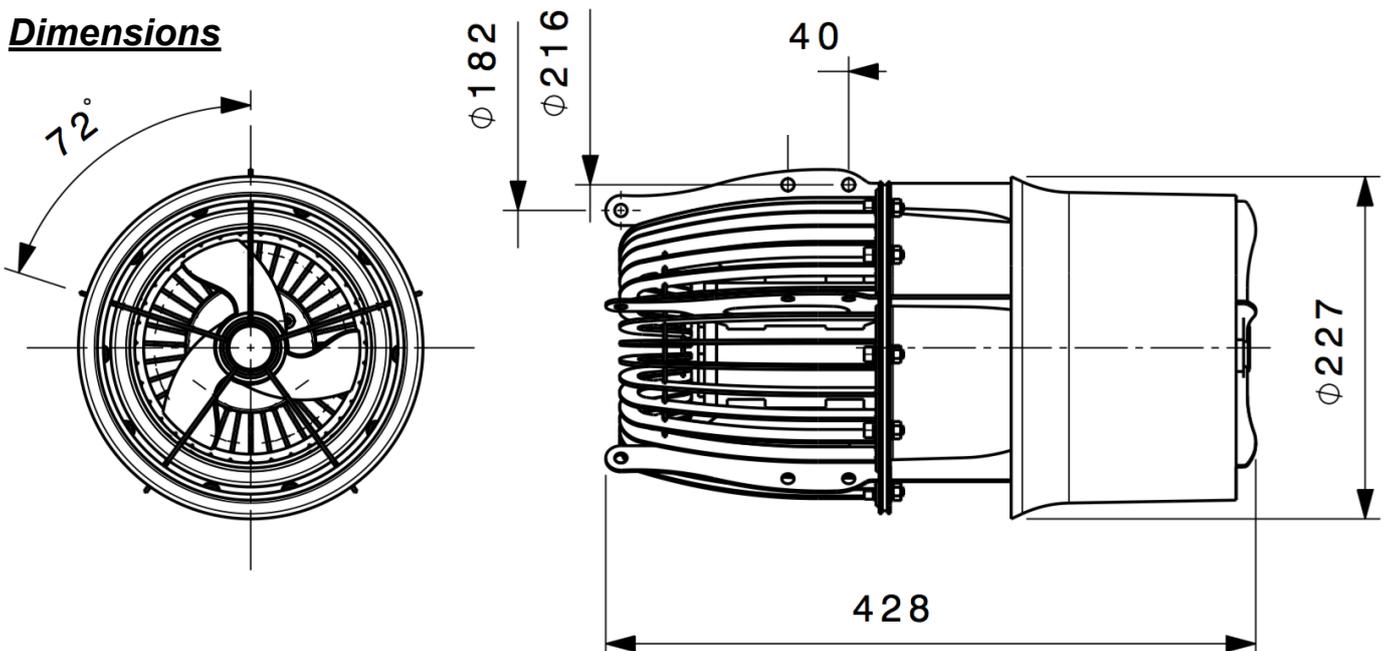
- *Abyzz* AFC400 pump and driver
- Power cable and connection cable
- Operation manual

# AFC400

## Characteristics



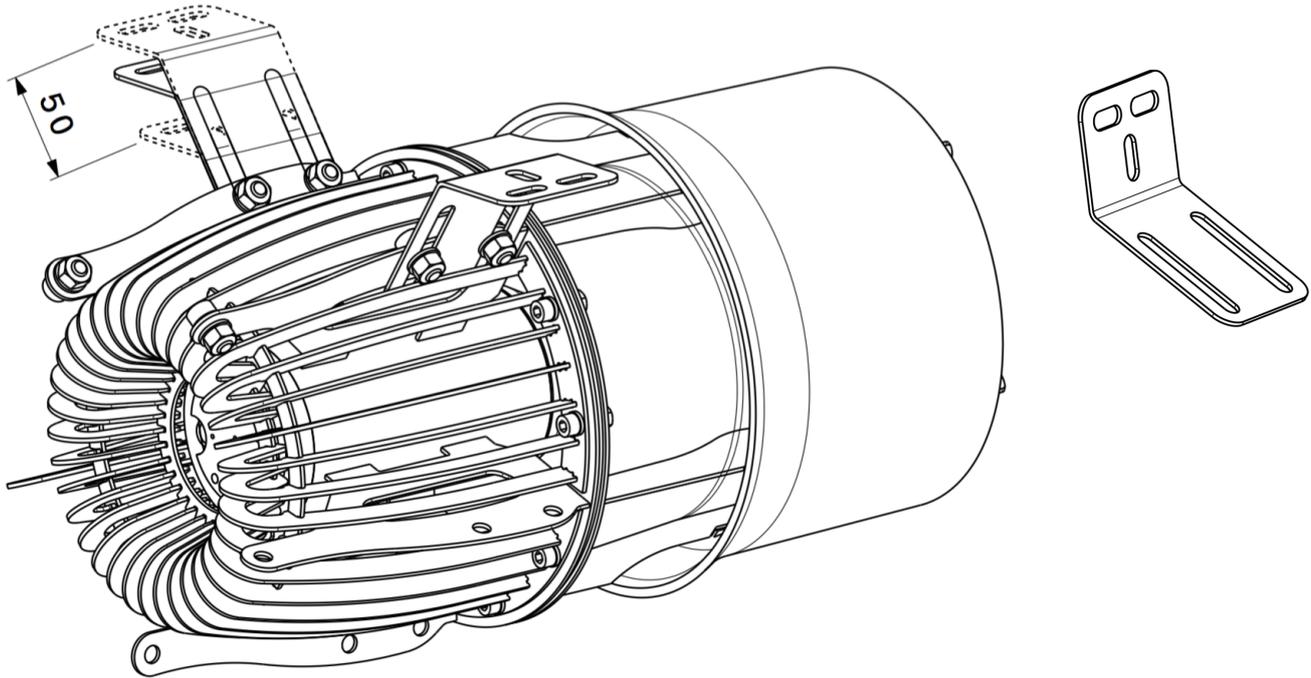
## Dimensions



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## Mount option „wall“



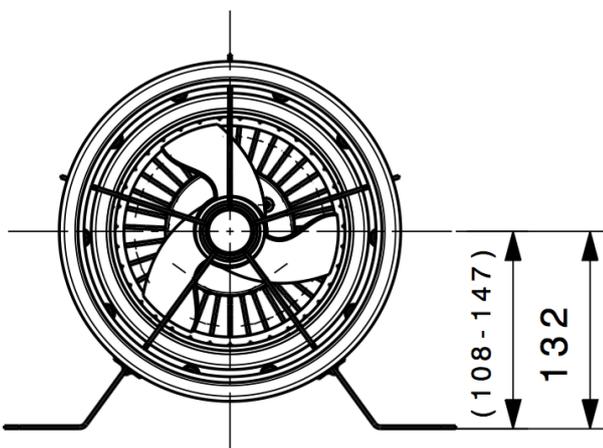
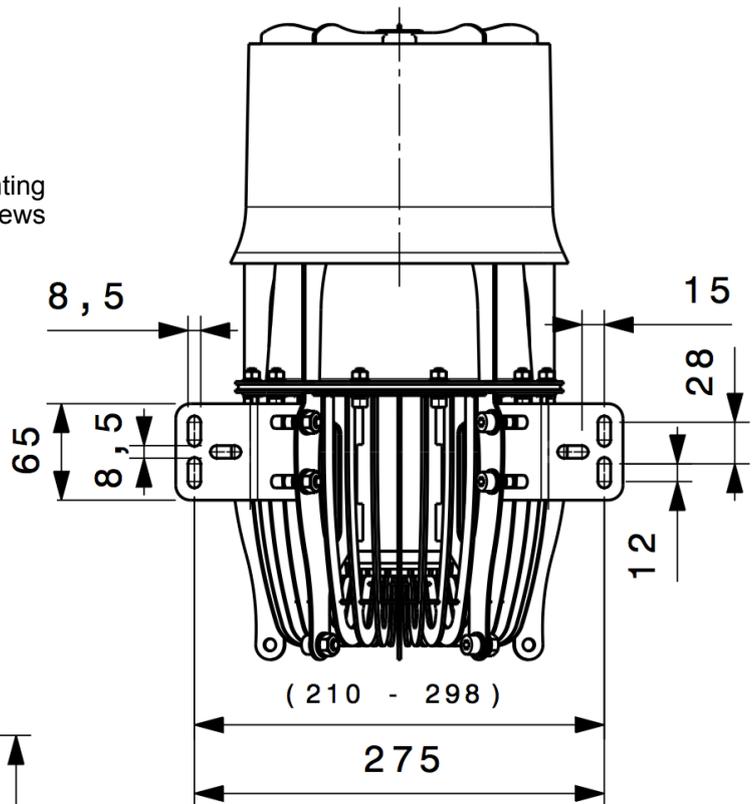
### Wall mount

Designed for mounting on any flat surface. Mounting set consists out of 2 brackets (126°) and screws (pump side). Wall side screws not included.

Material: Ti Gd 2

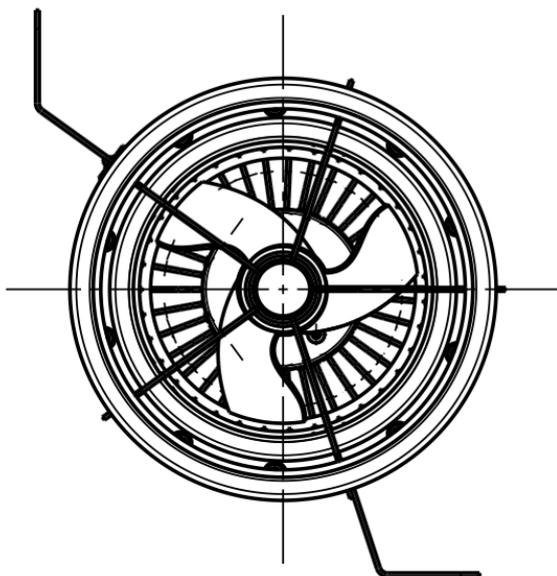
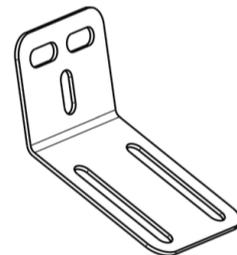
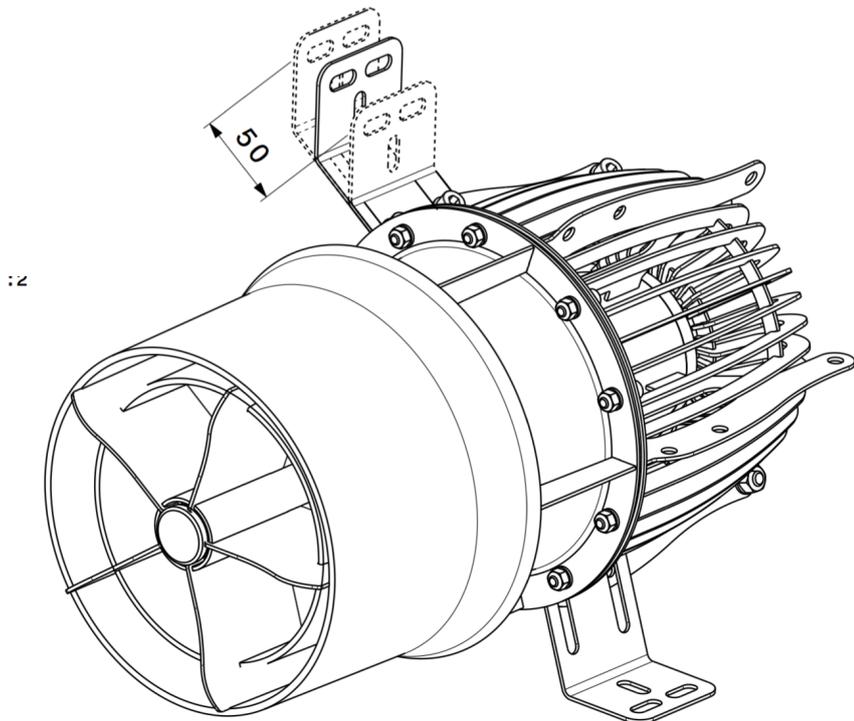
Ordering code: **VA-AFCMA1**

(All dimensions are mm)



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## Mount option „corner“



### Corner mount

Mounting for any 90° corner. Set consists out of 2 brackets (108° & 126°) and screws (pump side). Wall side screws not included.

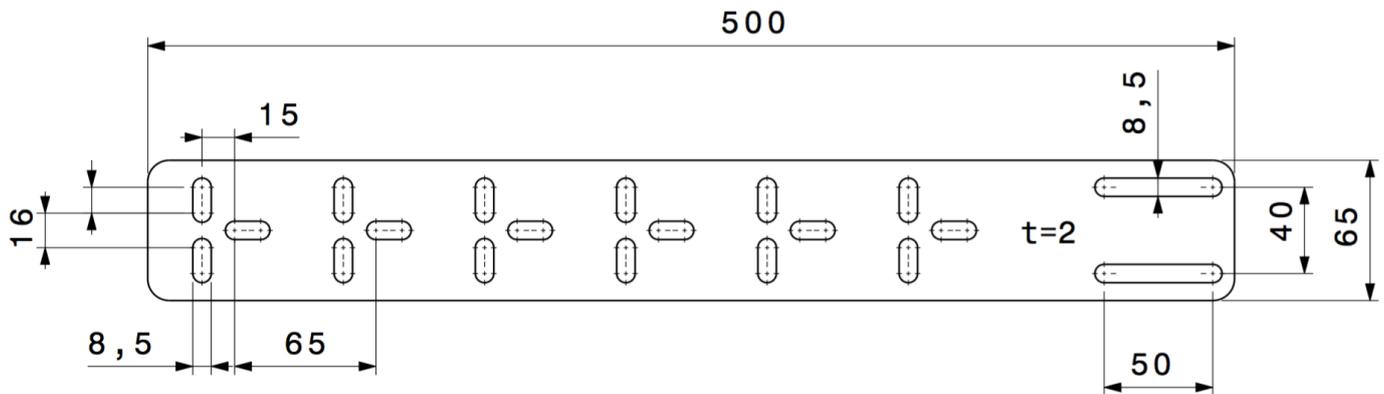
Material: Ti Gd 2

Ordering code: **VA-AFCMA2**

(All dimensions are mm)

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## Mount option „reef“



### Reef mount

Mounting rod for free mounting in any position. Can be bend anywhere to fit. Set consists out of 1 bracket and screws (pump side). Wall side screws not included.

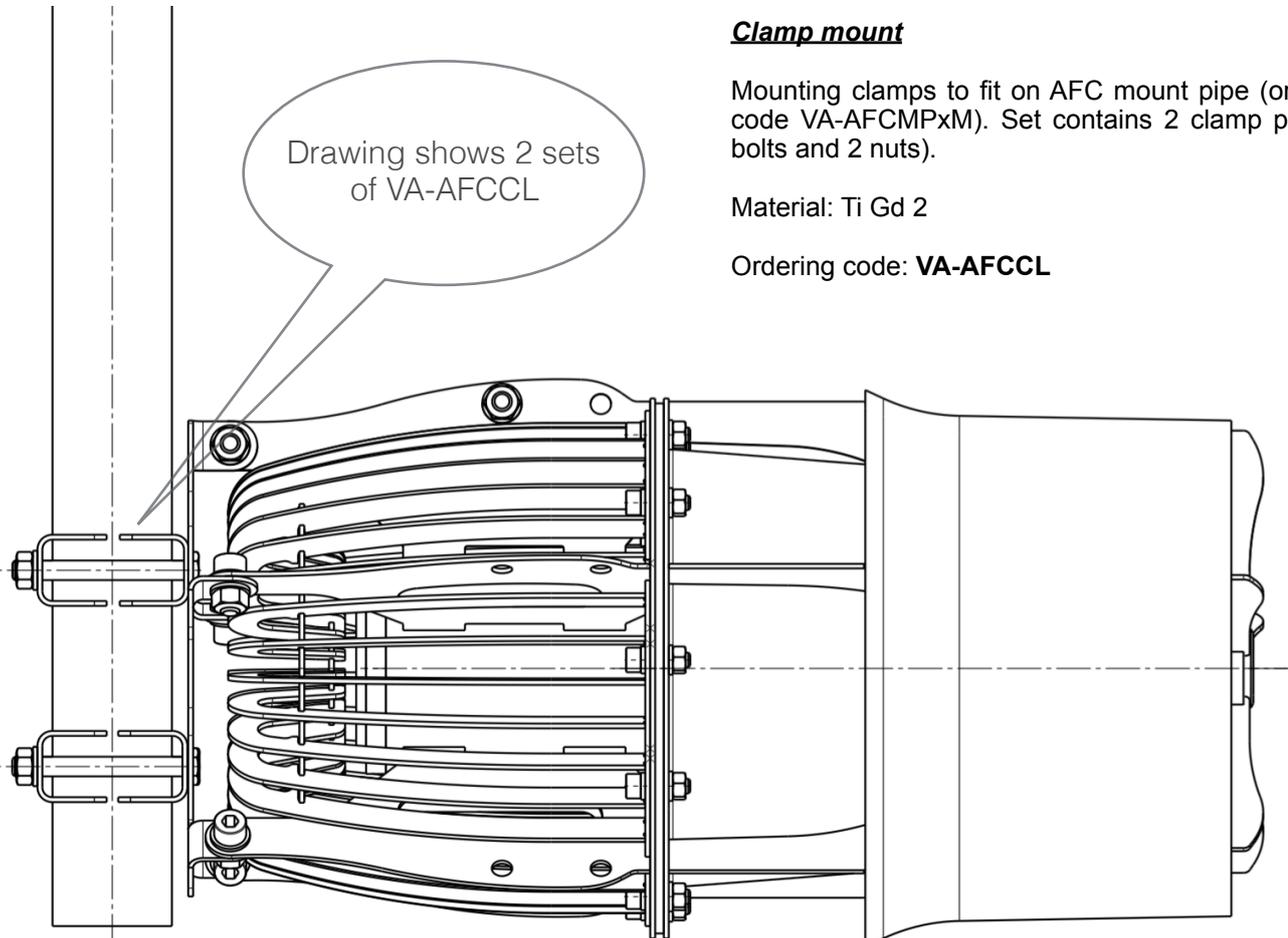
Material: Ti Gd 2

Ordering code: **VA-AFCMFH**

(All dimensions are mm)

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## Mount option „clamp on pipe“

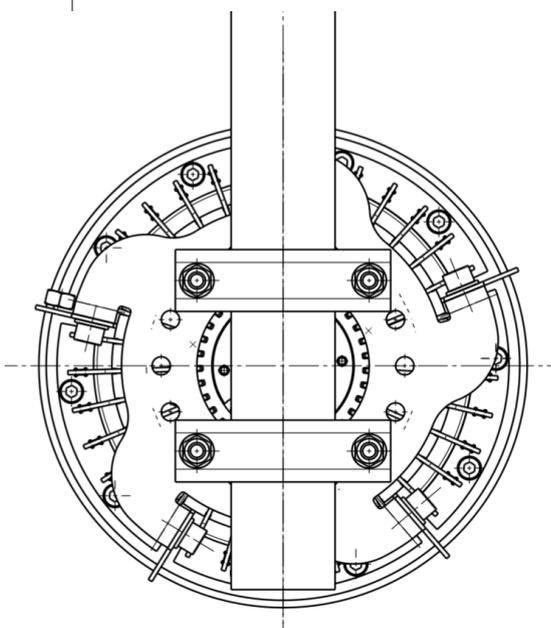


### Clamp mount

Mounting clamps to fit on AFC mount pipe (ordering code VA-AFCMPxM). Set contains 2 clamp parts, 2 bolts and 2 nuts).

Material: Ti Gd 2

Ordering code: **VA-AFCCL**



### Mount pipe

Titanium mounting pipe for submersed mounting. Fits for all Abyzz AFC pipe mount systems. Cable including plug can be hidden inside pipe for protection.

Material: Ti Gd 2

Ordering code: **VA-AFCMPxM**

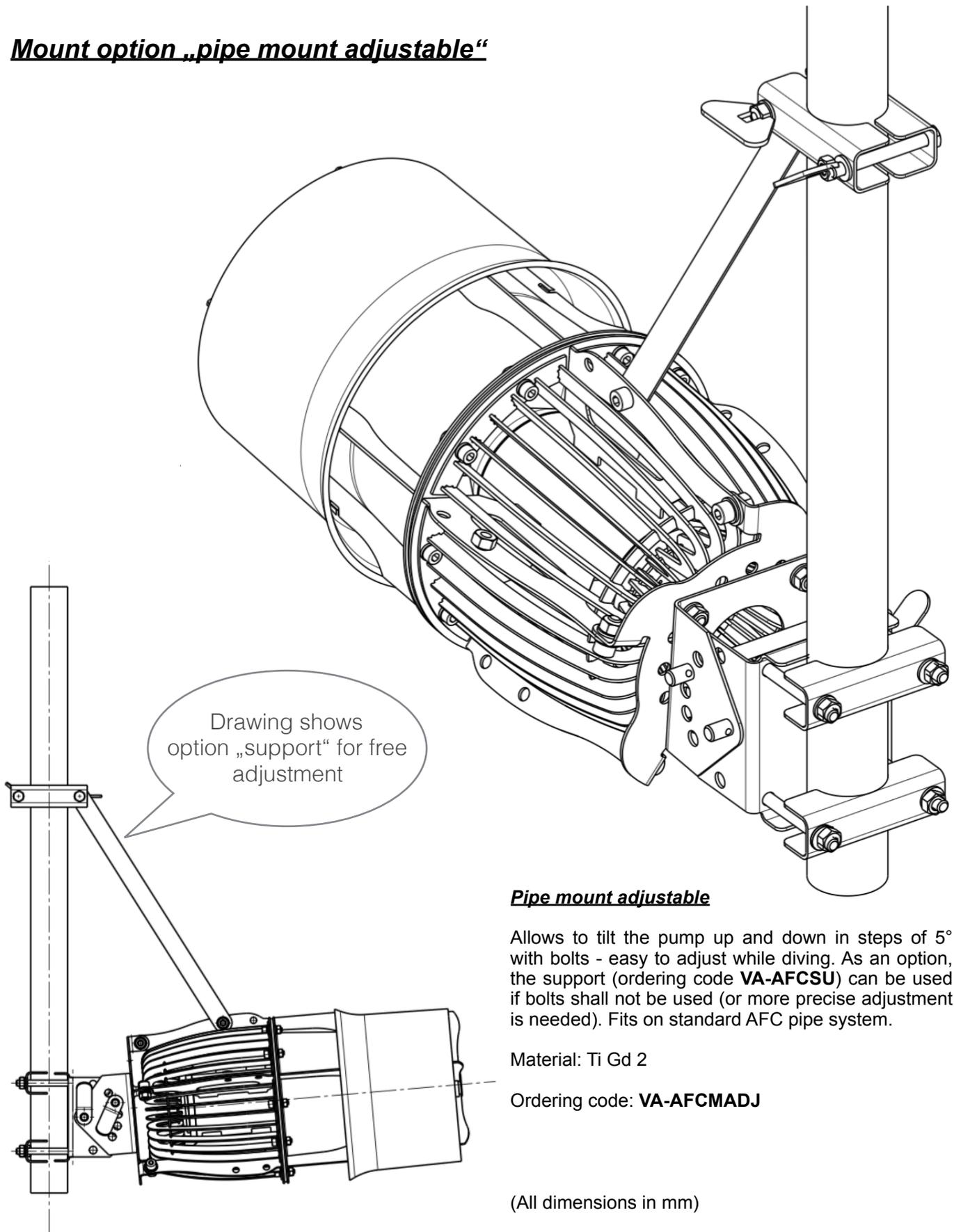
Length code: **VA-AFCMP0M5** 0.5m / 20"  
**VA-AFCMP1M** 1m / 39"  
**VA-AFCMP2M** 2m / 78"

(All dimensions in mm)

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## Mount option „pipe mount adjustable“



### Pipe mount adjustable

Allows to tilt the pump up and down in steps of 5° with bolts - easy to adjust while diving. As an option, the support (ordering code **VA-AFCSU**) can be used if bolts shall not be used (or more precise adjustment is needed). Fits on standard AFC pipe system.

Material: Ti Gd 2

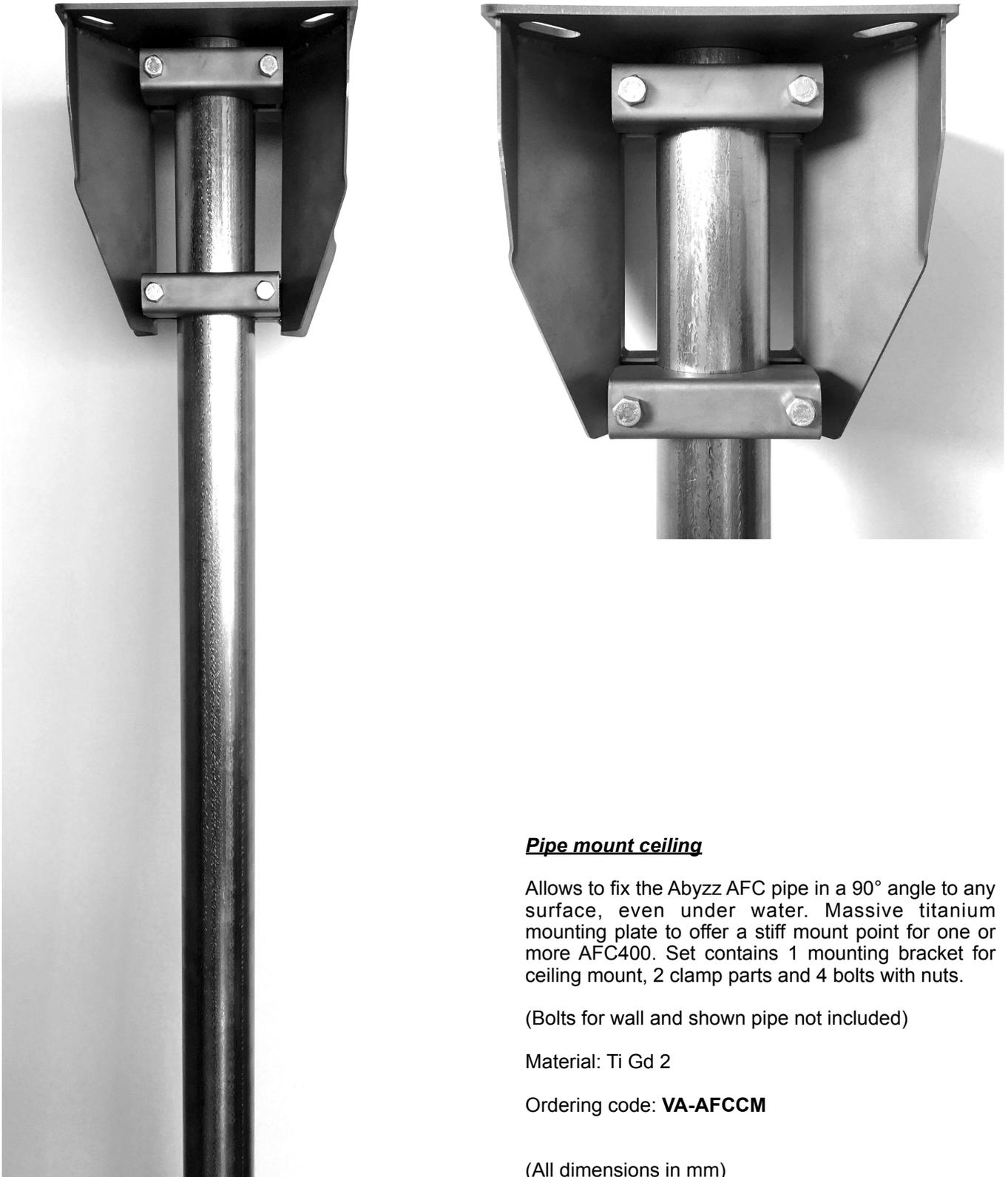
Ordering code: **VA-AFCMADJ**

(All dimensions in mm)

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## Pipe mount „ceiling“



### Pipe mount ceiling

Allows to fix the Abyzz AFC pipe in a 90° angle to any surface, even under water. Massive titanium mounting plate to offer a stiff mount point for one or more AFC400. Set contains 1 mounting bracket for ceiling mount, 2 clamp parts and 4 bolts with nuts.

(Bolts for wall and shown pipe not included)

Material: Ti Gd 2

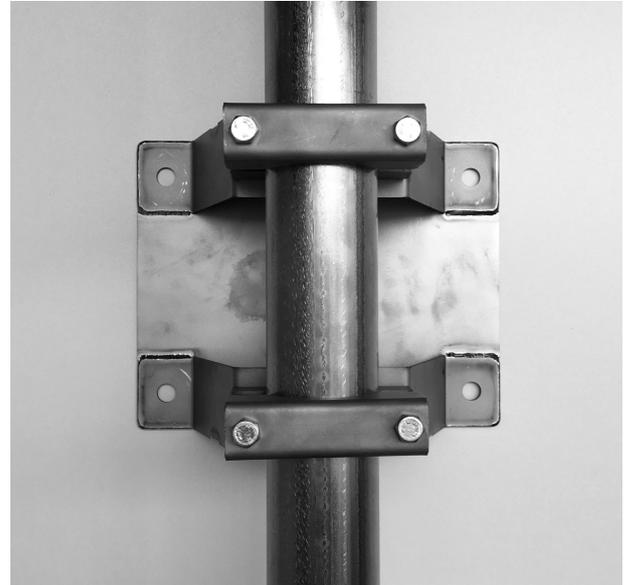
Ordering code: **VA-AFCCM**

(All dimensions in mm)

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## Pipe mount „wall“



### Pipe mount wall

Allows to fix the Abyzz AFC pipe in parallel to any surface, even under water. Massive titanium mounting plate to offer a stiff mount point for one or more AFC400. Set contains 1 mounting bracket for wall mount, 2 clamp parts and 4 bolts with nuts.

(Bolts for wall and shown pipe not included)

Material: Ti Gd 2

Ordering code: **VA-AFCWM**

(All dimensions in mm)

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## **Not found what you need?**

Please ask us, send us drawings and let us know, what you are looking for - we will do our best to help you with customer specific parts!