Pump K/MT 405

The compact submersible pump K/MT 405 in a pressure-proof titanium housing is deployable up to 6000m depth.

It is made of a centrifugal pump head / impeller and a ball bearing motor.

Both are magnetically coupled through the titanium housing. This avoids water penetration, hence no additional sealing rings for the shaft are necessary.

The external power supply is effected by means of a cable connection with an underwater Subconn-Micro connector.

As an option an additional electronic unit can be added to count the revolutions.

Technical Data

Size:  
length: 290mm; diameter: 51mm

Weight:  
1.53kg air; 1.00kg water

Operation depth:  
6000m

Power supply:  
external supply through 4-pin Subconn-Micro connector, voltage: 10-17V

Impulse output:  
5V TTL; 1 impulse / revolution

Material:  
pump head, endcap: POM
motor housing: titanium

Features:  
blood bearing motor
magnet coupling motor-impeller
impeller: ceramic axis and bearing
option: exit for revolution

Inner life pump:  
1 electronics
2 ball bearing motor
3 magnets
4 impeller
5 ceramic axis