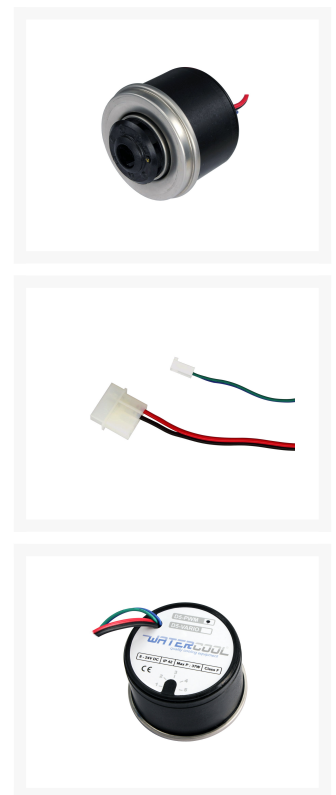


WATERCOOL

Watercool D5-PWM

\$81.95

Product Images



Short Description

The WCP D5 is a DC pump using the spherical motor design as developed by Laing. The only moving part in a spherical motor pump is a spherically shaped rotor/impeller unit, which is seated on an ultra-hard, wear-resistant ceramic ball.

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The conventional shaft, shaft bearings, and shaft seals have been eliminated. The occurrence of bearing clearance – and the associated increase of noise – is not possible due to the principle involved. Consequently, the pump continues to work quietly throughout its entire service life.

The bearing is self-adjusting. It is lubricated directly by the medium being pumped (wet rotor design). Separate maintenance is not required. All parts in contact with the medium are corrosion resistant.

Under normal conditions, it is impossible for the rotor to become locked due to the spherical motor design. Reliable starting is also ensured even after long periods of shutdown. The permanent magnetic mechanism allows high efficiency output.

The pump's rotation speed can be finely adjusted throughout a wide output range via a speed governor, which is integrated into the stator. Thus, you may easily regulate hydraulic performance or limit power consumption. The pump always uses the same torque, independent from rotational speed, ensuring reliable starting also on the lowest power level.

The pump comes without attachment parts. Operation requires an appropriate pump cover, which is separately available.

Power supply is provided by a 4 pin Molex connector. The pump also offers a 3 pin Molex plug for rotational speed monitoring.

Specifications

Specifications:

- Dimensions (L x W x H): 65 x 65 x 57 mm
- Motor design: Electronically commutated spherical motor
- Materials: Stainless steel 1.4571, PPS-GF40, EPDM O-Rings, aluminium oxide, hard carbon
- Rated voltage: 12V DC
- Power consumption: 23 W
- Voltage range: 8-24V DC
- Pressure head at 12 V: 3,7 m
- Max. flow rate: 1500 l/h
- Acceptable media: Water, water-glycol mixtures
- Max. system temperature: 60°C
- Max. system pressure: 1,5 bar
- Power supply: 4Pin Molex
- Rotational speed monitoring: yes (via 3Pin Molex)
- PWM: yes

Additional Information

Brand	Watercool
SKU	WC-30046
Weight	1.5000
Color	Black
Pump Type	Laing D5 PWM
Pump Voltage	12 VDC

