



WATERCOOL

Watercool LOWARA / LAING DDC-Pumpe 12V (DDC-1plus T) PWM

\$71.50

Product Images



Short Description

The DDC pump is an electronically commutated spherical motor pump with an expected service life of well over 50,000 hours at 12 V. 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. The conventional shaft, shaft bearings, and shaft seals have been eliminated. The spherical bearing of the rotor/impeller unit on the ceramic ball offers a number of advantages:

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The occurrence of bearing play – 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-realigning. It is lubricated directly by the medium being pumped (wet rotor design). This means that the pump is maintenance-free. Since the rotor is always magnetically held in the designated position, small particles of dirt do not present a problem. Under normal conditions, it is impossible for the rotor to become locked. Reliable starting is also ensured even after long periods of shutdown. The permanently magnetic rotor/impeller unit is driven by the magnetic field generated by the surrounding stator. The stator is wrapped entirely around the rotor. As a result, the entire pump is only slightly taller than the rotor itself, measuring only 38 mm in height. Accordingly, it fits easily into all standard PC cases. Generally, no separate magnetic shielding is required. The spherical motor design permits economical operation with comparatively high output. Supply voltage variation provides a simple means of controlling the speed of the DDC pump over a large output range. All parts in contact with the medium are 100% corrosion resistant.

Specifications

Dimensions (L x W x H): 62 x 62 x 38 mm (without fittings or mounting points)

Motor design: Electronically commutated spherical motor

Rated voltage: 12 V DC

Acceptable media: Water, water-glycol mixtures

Max. system temperature: 60 °C

Max. system pressure: 1.5 bar

Connectors: 2x 3/8" barb

Additional Information

Brand	Watercool
SKU	WC-30004
Weight	2.0000
Color	Black
Pump Type	DDC PWM
Pump Voltage	12 VDC

