



Laing DDC-Pump 12V Ultra AGB Pump/Reservoir Combo

\$135.95

Product Images



Short Description

Product Details:

New cover design!

This pump is the first pump worldwide, which is used in mass-produced water-cooled workstations and is ideal for water cooling of processors and electronic components. Due to its size and power can be used in a variety of applications beyond.

This pump is an electronically commutated spherical motor pump, with running times of more than 50,000 hours at 12 volts. The only moving part in a spherical motor pump is a spherically shaped rotor, which sits on an ultra-hard, wear-resistant ceramic ball. A conventional shaft with bearings and shaft seals is not available. The spherical bearing of the rotor unit on the ceramics bearing ball provides a lot of advantages: The development of bearing play - and thus a noise increase - is not possible with this design. The pump is silent over the entire term.

The bearing is self-adjusting. It is lubricated directly by the delivery medium (wet rotor). A maintenance is required. Since the rotor is always held magnetically in the intended position, smaller particles pose no problem Blocking of the pump is not normally possible. Even after prolonged

shutdown is given a safe start. The permanent magnetic rotor / impeller unit is driven by a magnetic field produced by the surrounding stator. This is built entirely around the rotor. The entire pump is thus with 38 mm only slightly higher than the stator itself. It easily fits into all conventional PC, Barebone and Mini PC cases. A separate magnetic shielding is not necessary in most cases. The ball motor principle enables an economical enterprise with comparatively high achievements. By voltage variation, the DDC direct current pump can easily be adjusted over a wide power range. All wetted parts are corrosion resistant.

This reservoir is designed so that you can install and decouple into any shape. With the help of decoupling kits (not included), the Laing can be completely decoupled in 3.5 "bays will be built in or on the ground, are attached using standard decoupling on the ground, or even instead of 80mm fans can be installed. The essay are all imaginable positions feasible in your projects are now no limits set. The reservoir also has 5mm LED holes for case modders. Conditions The also has a capacity of 110ml.

Specifications:

Reservoirs:

- Dimensions (LxWxH): 80 x 80 x 70mm (without fittings, without pump)
- Weight: 400g
- Material: Röhm Plexiglas GS
- Mounting: 8x decoupler sockets
- Connectors: 2x G1 / 4 "inch thread
- Closure: 1x G1 "oil sight glass
- Volume: 110ml

Pump with Cover:

- Dimensions (WxDxH): 62x62x38mm (without fittings)
- Motor design: Electronically commutated spherical motor
- Rated voltage: 12 V DC voltage
- Perm. Voltage Range: 6-13.2V
- Pressure head at 12V: 4,7 m
- max. Flow rate: 600L / h
- Fluids: Water, water *
- Maximum system temperature: 60 C
- Wetted parts: Stainless steel 1.4571, PPS-GF40, EPDM O-rings,
- Aluminium oxide, hard coal

Scope of delivery:

- Laing DDC-pump 12V DDC 1Plus
- Matching screws
- Laing DDC Plexi top
- Alphacool Laing DDC reservoir for the Laing top

Regarding mounting note: After mounting a small gap remains between pump and top. The fit is tight as the O-ring Ensures a safe seal. HENCE do not over-tighten the screws, as it may result in damages to the top.

Note: This kit is shipped in parts and assembled themselves. Fixing buffer is not included. Please article number: 52007 specially when ordering.

Pump rpm signal: 3-Pin Molex plug the pump's speed (for motherboards or controllers)

Note: The pump is the newest revision.

IMPORTANT: We recommend the use of lubricating water additives (such as AT Protect Plus or Innovatek Protect). Anti-Corro-Fluid is not recommended.

NOTE: Due to the capacity of the pump can only run in a circle with min. 1 Radiator operate. When operating without load, the pump may be damaged.

Important: The Laing pump electronics are not waterproof. Please pay attention during installation or when the pump is that the electronics do not come into contact with water. When replacing the top on the correct seating of the O-ring, and if you are filling a Laing reservoir that no water overflows. Damage caused by wet electronics are not replaced by Laing.

Why is there a Swiftech Laing and a version? Are there differences?

This can be answered quickly: "No". Why are there two versions? Here is the explanation: Laing produces all pumps in Hungary. Once for the overseas market and for the German and European market. The pump itself is thus identical. One is labeled Swiftech as is the distributor for the U.S. market. The other version is just plain black. The more affordable Swiftech pumps are supplied with decouplers, not in the standard. Otherwise, pump performance, flow rates, etc., are completely identical.

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Additional Information

SKU	49022
Weight	3.5000

