

CalioTherm S Pro High-efficiency Circulator Pump

Maintenance-free high-efficiency screw-ended glandless pump, non-overloading synchronous motor with ECM technology, integrated continuously variable differential pressure control. Suitable for drinking water to German TrinkwV 2001 drinking water regulations as well as for heating and air-conditioning applications. Two-piece thermal insulation shell to EnEV (German energy saving regulations) included in the scope of supply.

Operating modes:

- Constant-pressure control
- Proportional-pressure control
- Fixed speed operation with manual setpoint input

Functions:

- Manual setting of operating mode
- Manual setting of differential pressure setpoint
- Manual setting of constant speed curve
- Setback operation can be disabled/enabled
- Dynamic Control can be disabled/enabled in Proportional-pressure Control operating mode dp-v
- Alternating display of flow rate, head and electrical input power
- Error codes indicated on the display
- Soft start with limitation of starting current
- Manual deblocking option
- Manual venting via screw plug
- Integrated motor protection function

Operating data

Fluid handled:

Flow rate:

Head:

Fluid temperature:

Permissible fluid temperature min./max.: 2 to 75 °C

Max. permissible fluid temperature in drinking water circulation systems: 65 °C

Max. permissible total hardness in drinking water circulation systems: 14 °dH (carbonate hardness)

Maximum operating pressure: 10 bar

Max. ambient temperature: 40 °C

Motor/electronics

Electromagnetic compatibility

Interference emission: EN 55014-1, EN 61000-3-2, EN 61000-3-3

Interference immunity: EN 55014-2

Power supply: 1~ 230 V AC +/- 10 %. 50/60 Hz

Power input P1:

Speed min. ... max.:

Current input max.:

Enclosure: IPX4D

Materials

Volute casing: stainless steel

Impeller: polyether sulphone (PES)

Pump shaft: ceramics

Bearing: ceramics

Can material: stainless steel 1.4301

Thermal insulation shell: polypropylene

Connection dimensions

Piping connection

Pump connection:

Nominal pressure class:

Overall length:

Purchase order information

Approx. net weight:

Make: KSB

Type: CalioTherm S Pro

Material price group: 22

Material number

Typical Tender CalioTherm S Pro

1157.523/07-EN

Subject to technical modification without prior notice.

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