

Calio-Therm S, Rio-/Rio-Eco Therm N – Drinking Water Circulation Pumps



Calio-Therm S

Applications:

- Heating, air-conditioning and recirculation systems
- Drinking water circulation systems
- Storage tank circuits

More information:

www.ksb.com/products



Rio-Therm N SL(C)



Rio-Eco Therm N



Rio-Therm N



Rio-Therm N

Calio-Therm S, Rio-/Rio-Eco Therm N – Drinking Water Circulation Pumps

1 Demand-driven operation

- Optimised efficiencies. Variable-speed pump or with manual setting of up to 4 speed levels

2 Universal use

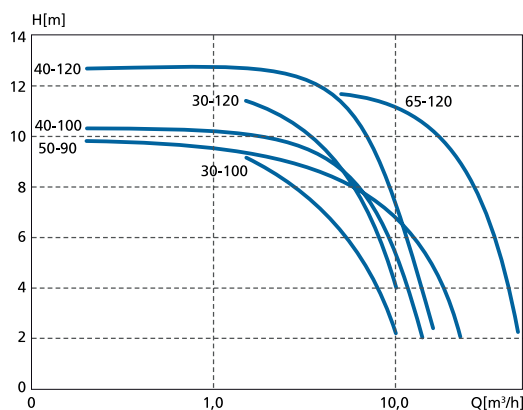
- High-quality materials for a broad range of applications with fluid temperatures from -10 °C to +110 °C

3 Maximum availability

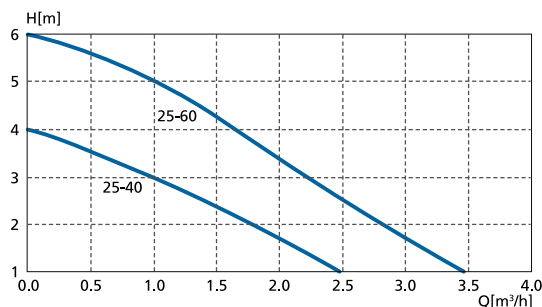
- Low motor speeds and special sealing elements reduce wear to a minimum.

4 Cost efficiency

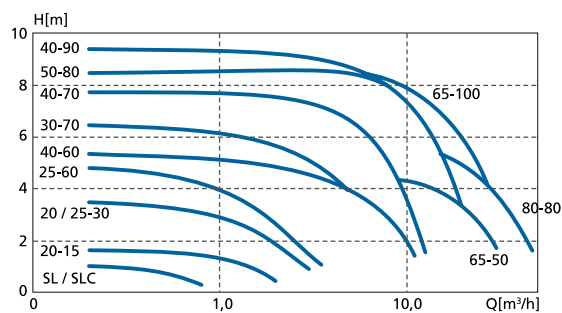
- Simple single-button setting combined with speed control minimises commissioning and operating costs.
- Protective and manual functions of the pump keep service costs down.



Characteristic curves Rio-Eco Therm N



Characteristic curves Calio-Therm S



Characteristic curves Rio-Therm N

Technical data	Calio-Therm S	Rio-Eco Therm N	Rio-Therm N
Flow rate	Up to 3.5 m³/h	Up to 12 m³/h (screw-ended pump) Up to 38 m³/h (flanged pump)	Up to 8 m³/h (screw-ended pump) Up to 50 m³/h (flanged pump)
Head	Up to 6 mWS	Up to 6 mWS (screw-ended pump) Up to 12 mWS (flanged pump)	Up to 6 mWS (screw-ended pump) Up to 9 mWS (flanged pump)
Fluid temperature	+2 to 95 °C	Heating water: -10 to +110 °C Service water (up to 20°dH): Up to +80 °C	Service water: up to +65 °C / 18 °dH (screw-ended pump) Up to +80 °C / 20 °H (flanged pump) Up to +110 °C for a brief period (2 h max.)
Operating pressure	PN10	Up to 10 bar (screw-ended pump) PN6/10 (flanged pump)	Up to 10 bar (screw-ended pump) PN6/10 (flanged pump)
Process connections	R1", R1¼"	R1", R1¼" (screw-ended pump) DN 40 – DN 65 (Flanged pump)	R½", R¾", R1", R1¼" (screw-ended pump) DN 40 – DN 80 (flanged pump)
Power supply	1~230 VAC 50/60Hz	1~230 VAC 50/60Hz	1~ 230 VAC (S variant) 3~ 400 VAC (T variant)
Enclosure	IP42	IP42	IP42 and IP44

To prevent condensation in the terminal box and the stator, the fluid temperature must always be equal to or higher than the ambient temperature.



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