

## 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](http://www.ksb.com/products)



Rio-Therm N SL(C)



Rio-Eco Therm N



Rio-Therm N



Rio-Therm N

# Calio-Therm S, Rio-Therm N, 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

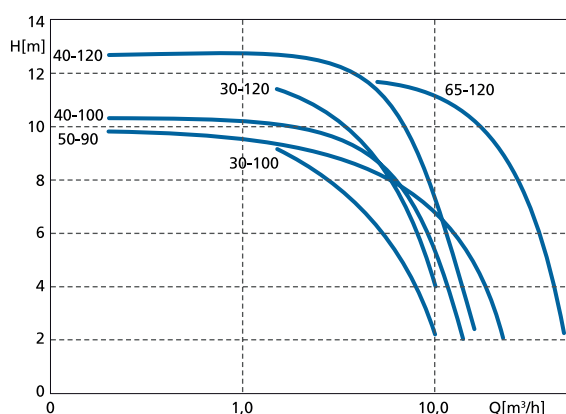
- High-quality materials for a broad range of applications with fluid temperatures from -10 °C to +110 °C

## 3 Maximum availability

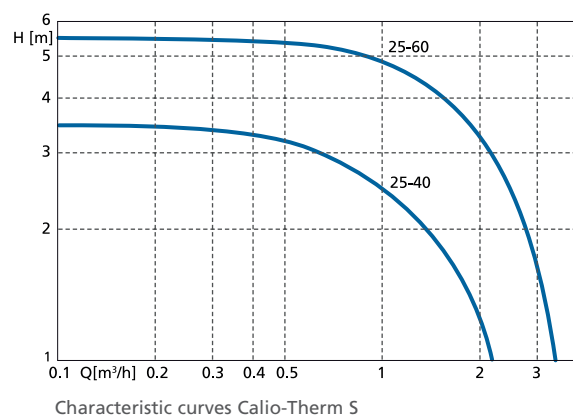
- Low motor speeds and special sealing elements reduce wear to a minimum.

## 4 Cost efficiency

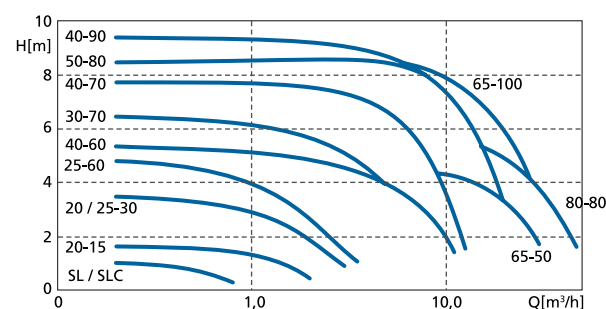
- Simple single-button setting combined with speed control minimises commissioning and operating costs.
- Protective and manual functions of the pump keep service costs down.



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