

## Calio Pro (Z) – High-efficiency Circulators



Flanged Calio Pro

### Applications:

- Heating, ventilation and air-conditioning systems
  - One-pipe and two-pipe systems
  - Underfloor heating systems
  - Boiler circuits or primary circuits
  - Storage tank circuits
  - Solar power systems
  - Heat pumps
- Recirculation systems in larger buildings

More information: [www.ksb.com](http://www.ksb.com)



Calio Pro –  
screw-ended



Calio Pro Z –  
flanged twin pump



Calio Pro Z –  
screw-ended twin pump

# Calio Pro (Z) – High-efficiency Circulators

## 1 Outstanding energy efficiency

- Future-proof by optimised efficiencies, exceeding the requirements of the energy efficiency regulations
- Dynamic Control for an average of 40 percent additional energy savings as compared with proportional-pressure control

## 2 Easy to install and commission

- Features buttons for setting all operating modes, functions and setpoints
- Configuration of operating mode and setpoint in metres
- Integrated dual-pump operation and venting function
- Lockable control panel
- Display of fault message

## 3 Dynamic Control function

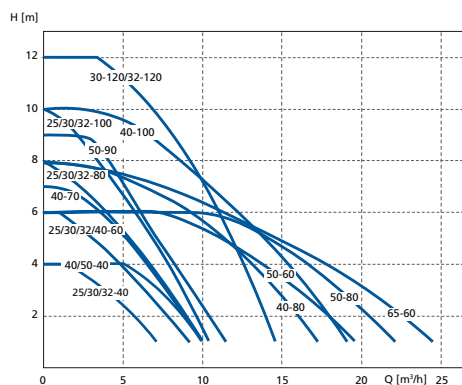
- Efficient operating mode lowers energy costs
- Practically rules out undersupply in changing system conditions

## 4 Universal use

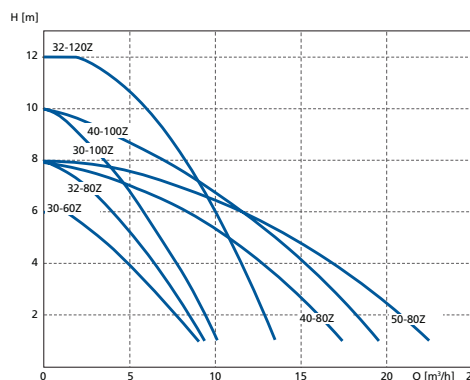
- Ideal for replacing fixed-speed circulator pumps in larger buildings
- One pump for three pressure classes: PN6/PN10/PN16
- Broad application range for heating, ventilation, air conditioning, cooling and general recirculation systems
- Screw-ended or flanged glandless pump with continuously variable speed control
- In 25 sizes and 4 overall lengths
- Dual-pump operation integrated as standard for single pumps as well

## 5 Integrated alarm handling

- Increased operating reliability thanks to built-in pump and motor protection equipment
- Fault messages are indicated on the display and signalled as general fault messages via a relay



Calio Pro characteristic curves



Calio Pro Z characteristic curves

### Technical data

	Calio Pro	Calio Pro Z
Flow rate	Up to 24 m³/h	Up to 22 m³/h
Head	Up to 12 mWS	
Fluid temperature	-10 to +110 °C	
Operating pressure	PN 6/10/16	
Process connection	Rp 1", Rp 1¼" DN 32, 40, 50, 65	Rp 1¼" DN 32, 40, 50
Electrical connection	1-230 VAC 50/60 Hz	
Enclosure	IPX4D	

Calio Pro sizes	Piping connection	Overall length
25-40/60/80/100	Rp1"	180 mm
30-40/60/80/100/120	Rp 1¼"	180 mm
32-40/60/80/100/120	DN 32	220 mm
40-40/60/70/80/90/100	DN 40	220 mm
50-40/60/80/90	DN 50	240 mm
65-60	DN 65	340 mm
Z 30-60/100	Rp 1¼"	180 mm
Z 32-80/120	DN 32	220 mm
Z 40-80/100	DN 40	220 mm
Z 50-80	DN 50	240 mm



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