

Each circulator has been given an individual ExtraPlus rating. This rating can be found at the bottom of the specification table in the product description.

Have you already chosen your circulator?

You can now cross-reference the ExtraPlus rating with the specifications in the corresponding column of the table on this page and see which features your circulator has.

Are you looking for a circulator with special features? Select the desired features in the first column of the table on this page, and you can then determine which ExtraPlus rating your circulator should have.

Phoenix II line circulators with a rating of 5 and 6 Pluses can be found with the HAAKE Phoenix II circulators. Circulators with a rating of 1 and 4 stars can be found on with the HAAKE C/DC-line circulators.

Rating	+	++	+++	++++	+++++	++++++
Control and Technology						
Stable On/Off-Control	x					
Advanced PID+-Control		x	x	x		
FuzzyStar®-Control with neural adaption					x	x
Energy management of cooling					x	x
TRS-system / flow rate reduction	x	x	x	x	x	x
Self-adapting pump					x	x
External sensor connection with ETC-system				x	x	x
Microprocessor and digital electronics		x	x	x	x	x
Operation						
Analog setting and fine adjustment	x					
Touch pad front panel with double display		x	x	x		
Direct dialog on LCD-graphic display					x	x
Display selection (°C, °F, K)					x	x
Digital Display resolution (0.1 / 0.01 °C)		x	x	x	x	x
Simultaneous SET/ACTUAL display				x	x	x
Green 7-segment LED-display		x	x	x		
Language Selection				x	x	x
User-defined fixed temperatures (storable)		x	x	x	x	x
RTA-system for internal temperature		x	x	x	x	x
RTA-system for external temperature				x	x	x
High temperature limitation		x	x	x	x	x
Low temperature limitation		x	x	x	x	x
Continuous display of date and time					x	x
Time for Start/Stop						x
Number of saveable programs					1	10
3-point calibration						x
Safety						
Safety elements acc. to NFL	x	x				
Safety elements acc. to FL			x	x	x	x
Variable overtemperature protection	x	x	x	x	x	x
Fixed low liquid level protection			x	x	x	x
Pump and motor overload protection	x	x	x	x	x	x
Control sensor monitoring		x	x	x	x	x
Measuring and external sensor monitoring				x	x	x
Cooling circuit overload protection					x	x
Optical alarm	x	x	x	x	x	x
Acoustical alarm			x	x	x	x
FIS		x	x	x	x	x
Communication						
RS 232C interface			x	x	x	x
RS 485 interface				optional		x
Profibus interface						optional
LIMS-compatible				optional		x
Remote alarm connection						x
External Start/Stop/Alarm						x
Rating	+	++	+++	++++	+++++	++++++