

PC 2500 – Configurations

Easily find the right product.

PRODUCT CHARACTERISTIC	CONFIGURATION					
	BASIC	H	S	HS	SP	HSP
Hydraulic Protection H	—	+		+		+
Smart Cooling S	—	—		+		+
Precision Cooling P	—	—		—		+

Product characteristic Hydraulic Protection (H)

Provides additional hydraulic features for protection of the system.

- Alarm if volume flow is too low.
- Water level check protects pump from damage caused by dry running.
- Hydraulic bypass: protects pump by ensuring minimum flow and protects the application by limiting the system pressure.

Please note: A control of the water level in the tank is standard on the PC 2500

Product characteristic Smart Cooling (S)

Offers advanced temperature control and error detection.

- Temperature alarm T_{min}/T_{max} detects an unexpected increase or drop in temperature of the cooling fluid.
- Error message on display: very important for service and troubleshooting. Provides differentiated error codes (on common alarm signal).
- Error message label: Provides explanation of error message codes in multiple languages.

Some errors occur if the chiller needs service: error code and data logging helps to achieve fast and effective elimination of faults and preventive maintenance. Some errors can occur in your system even if the chiller is working properly:

Flow Alarm – volume flow of the cooling fluid of the application is out of range.

Temperature alarm – chiller detects irregularities in the temperature profile.

Product characteristic Precision Cooling (P)

Limits deviation from target temp to ± 1 K (must be combined with product characteristics S).

- Hot gas bypass: Improves accuracy of temperature control without stressing the compressor by frequent on/off switching (operation >50 % of nominal power required).
- The fan is running continuously.