huber

CC-Pilot

The new Compatible Control CC-Pilot has many new functions and is easy to use with Plug & Play technology. The TFT screen clearly displays all information. The unique menu system "Easy-Control" is virtually identical to the Unistats®. A clear advantage for the users is that all Huber thermoregulation units: circulators and chillers use a universal operator interface.

Plug & Play:

The proven Plug & Play technology (since 1980) which enables a quick response in the event of service has been retained in the new generation. Also the CC-Pilot is exchangeable and (with a data cable) can be used as a remote control.

E-grade – Functions on demand:

Every application requires particular functions. If the circulator is to be used in a range of applications it will generally require greater functionality. The required functionality grows with the complexity of the application. The innovative „E-grade" has the answer. Units with the CC-Pilot in the basic version have a comprehensive range of functions suited to the classical temperature control applications. The E-grade allows the functionality to be extended at any time to suit new process requirements and budget. E-grade stands for electronic upgrade and it is simple to do: To extend the functionality a unit specific code is entered via the controller. This code is specific to the serial number of the unit and is either already entered at the factory for new units or it can be activated at a later date. The code is sent by email. There is no requirement for a hardware or software update.

E-grade – innovative activation keys for the functionality to suit your budget and process requirements.

Superior functionality:

The functions are self-explanatory and are listed in alphabetical order in each of the selected languages. The language selection is at the moment (only) limited to German, English, Spanish, Italian, French and Russian. The display can be adjusted to the operators preference. A comprehensive list of data can be displayed or the most important information (setpoint, actual internal and process temperatures and overtemperature setpoint) can be displayed in a larger format. This allows the values to be read from a distance and to keep the important parameters in view. The display resolution in the basic version is 0.1 K. The temperature can be displayed in Celsius or Fahrenheit. Depending on the system the pump speed or maximum pressure can be steplessly controlled. VPC (variable pressure control) also protects against glass breakage.

The working range can be limited using the setpoint limiting function and the alarm response can be adjusted as required. An optical and acoustic alarm can be activated in the event of an alarm. The clock and calender functions allow auto-start to be programmed. The temperature sensor can be calibrated. An RS232 interface allows data recording, the installation of a ComG@te enables connection to a process control system.

Plug & Play
3 years warranty

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CC-Pilot

The latest in ease and vision. Post-sale flexibility through Plug & Play technology and E-grade. Upgrading to additional functions is easily achieved by simply entering an activation code.

[1] Option
[2] not available when ComG@te is installed.
    RS232 in ComG@te is activated.
[3] for units with variable speed pump VPC
[4] TAC – True Adaptive Control
    Self optimising interna and cascade controllers
[5] Unichillers® only

Function	CC-Pilot „Professional"	CC-Pilot „Exclusive"	CC-Pilot „Basic"
Adjustable Heating / Cooling Power	✓	✓	✓
Adjustable limit alarms	✓	✓	✓
Alarm Signal optical / acoustic	✓	✓	✓
AutoStart (mains failure automatic)	✓	✓	✓
Calendar, Date, Time	✓	✓	✓
Calibration programme for control sensor (Internal, Process)	5 Point	5 Point	5 Point
Colour flat screen display	3,5"	3,5"	3,5"
ComG@te Functions – External control signal / ECS STANDBY – Programmeable volt free contact / ALARM – digital interfaces RS232, RS485 – AIF (Analogue interface) 4-20 mA – Level monitoring	✓[1]	✓[1]	✓[1]
Comfort Menu / Compact Menu	✓	✓	✓
Compressor Automatic Control	✓	✓	✓
Controller parameter tuning	TAC[4]	TAC[4]	predefined
De-gassing program	✓	✓	✓
Digital interface RS232	✓[2]	✓[2]	✓[2]
Display	graphic, numeric, zoom	graphic, numeric, zoom	numeric, zoom
Display Resolution	0,1 °C / 0,01 °C	0,1 °C / 0,01 °C	0,1 °C
Easy Control	✓	✓	✓
Function check at start	Sensors, electronic[5]	Sensors, electronic[5]	Sensors, electronic[5]
Language: D / E / F / IT / ESP / RUS	✓	✓	✓
Monitoring (Level Protection, Over Temperature Protection)	✓	✓	✓
Plug & Play-Technology	✓	✓	✓
Programmer – Additional functions	10 Prg. / max. 100 steps Calendar Start, Non-Linear-Ram-	3 Prg. / max. 15 steps	
Ramp function	✓	✓	
Set Point Limits	✓	✓	✓
Temperature control mode (Internal, Process)	✓	✓	
Temperature format: °C / F	✓	✓	✓
Time Format	✓	✓	✓
User Menus (Administrator-Level)	✓		
Variable speed pump VPC	✓[3]	✓[3]	✓[3]
Venting programme	✓	✓	✓
2nd set point	✓		