Custom
Filtration Solutions

CPG HEAT - Heated Jacket with Temperature Control

C P G H E A T



The **CPG HEAT** maintains CPG PharmaCraft filter housings at a controlled temperature to prevent condensation on the 0.2 µm hydrophobic cartridges used as tank vents.

It ensures reliable sterile ventilation, prevents pressure drops and extends filter life, even in demanding environments. A simple, robust and effective solution to **secure your critical processes**

key benefits

- Eliminates condensation on 0.2 µm cartridges used as tank vents
- Ensures sterile ventilation and microbiological protection of the process
- Reduces pressure loss and premature filter clogging
- Extends cartridge life and reduces replacements
- Maintains a consistent temperature across the entire surface of the casing
- Precise PID regulation for reliable and sustainable control
- Quick and easy integration into CPG casings
- French-made, robust and designed to last

Typical applications

- Tank vents equipped with hydrophobic cartridges
- Prevention of condensation and water films on sterile ventilation filters

C P G H E A T

Technical specifications of the jacket

The CPG HEAT heating mat is designed to maintain the temperature of CPG filter housings. It is made from a single piece covering the cylindrical part of the housing body, ensuring even heat distribution and easy installation.



Thermal data

- Power required to maintain temperature:
- 28 W at100 °C
- 89 W at 200 °C
- Power output: 100 W / 230 V AC ±10 %
- Maximum recommended operating temperature: 200 °C

Integration

- Cold outlet: 3 m
- Integrated gusset for insertion of a removable PT100 probe
- Recommended temperature control to ensure the jacket's longevity (optional)

Construction

- Envelope: double-sided siliconised glass fabric
- Insulation: needle-punched glass fiber mat, thickness 25 mm
- Closure: high-temperature Nomex/PPS Velcro fastener
- Heating element: silicone-insulated heating cord + braid, integrated by stitching

C P G S E R I E S

Technical specifications of the regulator

COFF-REGUL1Z-0-10A – 1-zone control box with PT100
Ready-to-use single-zone temperature control box designed to control the CPG HEAT heating jacket with precision and reliability.
Based on PID control, it guarantees stable, controlled temperatures, which are essential for the durability of the heating mat and the safety of critical applications.
When the casing temperature falls below the set point, the box automatically activates the heating element, ensuring optimal thermal maintenance without manual intervention.
The box is delivered pre-equipped with IP65 PA66 housing, a PID regulator with dual LED display and all the electrical protections necessary for quick and safe commissioning.



Key features

- Alimentation : 240 V AC
- Maximum intensity: 10 A
- Maximum temperature: 200 °C
- Regulation: Electronic PID 48 × 48 mm (dual LED display)
- Housing: IP65, PA66, crystal cover
- Dimensions : 212 × 150 × 95 mm
- Lighted on/off switch
- 10 A protection fusible – 240 V AC
- Solid state relay – breaking capacity 10 A
- Wall mounting with 4 removable brackets
- Cable glands: 2 × M20 + 1 × M24
- PT100 probe included

To ensure optimal performance and preserve the durability of the CPG HEAT heated jacket, the use of a suitable temperature control system is strongly recommended.
The use of an appropriate control system ensures precise temperature control and use in accordance with the operating conditions specified by the manufacturer.

C P G H E A T

ORDERING INFORMATION – CPG HEAT

CPG-HEAT	OPTION ATEX	LENGTH CARTRIDGE	REGULATION T°C
CPG-HEAT	**Oui =** A **Non= -**	**10’** **20’’** **30’’**	**WITH : REGUL1Z-0-10A** **WITHOUT : 0**

Example for a 10" CPG jacket with regulation

CPG-HEAT	-	10"	REGUL1Z-0-10A