



## Filtration | CLEARPOINT® H

# CLEARPOINT® compressed air heater: For process safety and optimum operating conditions

Condensate and icing can significantly affect the process reliability and cost-effectiveness of compressed air plants. Condensate in the piping network, caused by cooling of the compressed air, results in increased wear, malfunctions and fluctuating product quality.

Quickly releasing compressed air results in expansion cooling. This can lead to icing of valves and control valves or fittings. Process safety is then at risk. Comfort restrictions for respiratory air and dental applications are also possible.

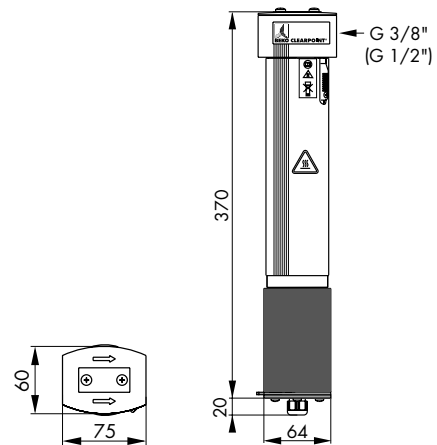
CLEARPOINT® compressed air heaters heat up the compressed air and thereby reduce the relative humidity. The temperature is adjustable from +30 to +60 °C. This enables optimal operating conditions at the withdrawal point. CLEARPOINT® compressed air heaters impress with their function and handling.

- › **Protects compressed air consumers by reducing relative humidity**
- › **Speeds up manufacturing processes by warming up the compressed air**
- › **Temperature adjustable between +30 to +60 °C**
- › **High temperature stability**
- › **High functional and operational safety due to encapsulated, corrosion-free stainless steel heating cartridge**
- › **User-friendly design**



# Technical data for the CLEARPOINT® H

| Technical data          | CLEARPOINT® H                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------|
| Medium                  | Compressed air, inert gases<br>- free of aggressive components<br>- dry to moist saturated |
| Housing material        | Aluminium, anodised<br>powder coated outside,<br>base area POM                             |
| Max. operating pressure | 16 bar [ g ]                                                                               |
| Pipework connection     | 3/8" (S040TWC)<br>1/2" (S050TWC)                                                           |
| Volume flow at 7 bar    | max. 50 m³/h (S040TWC)<br>max. 100 m³/h (S050TWC)                                          |
| Differential pressure   | S040 at 50 m³/h: <0.15 bar<br>S050 at 100 m³/h: <0.2 bar                                   |

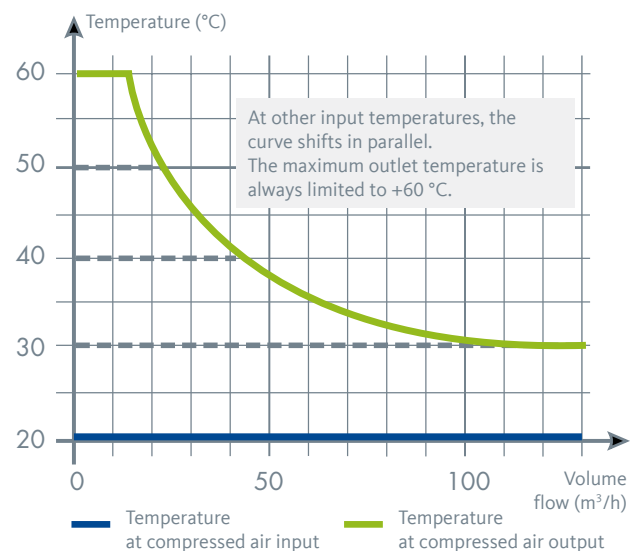


| Technical data                         |                         |
|----------------------------------------|-------------------------|
| Inlet temperature                      | +2 ... +50 °C           |
| Ambient temperature                    | +2 ... +50 °C           |
| Compressed air outlet temperature      | +30 ... +60 °C          |
| Internal safety switch-off temperature | +84 °C                  |
| Max. housing temperature               | +80 °C                  |
| Volumes                                | 0.42 l                  |
| Voltage*                               | 230 VAC / 50 Hz +/- 25% |
| Performance**                          | 420 (750) W             |
| Protection class                       | IP 54                   |
| Weight                                 | 2.4 kg                  |

\* Other voltages on request

\*\* At +20 °C: Inrush current max. 4 A, starting power max. 750 W

**Temperature at the compressed air outlet in dependence on the volume flow at +20 °C inlet temperature**



## Do you have questions about the best way of processing your compressed air?

We have the answers! We offer efficient solutions for any type of processing chain. Please contact us with your queries. We would be delighted to tell you more about our condensate

treatment, filtration, drying, measuring and process technology, and our comprehensive services.

Visit us at



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