

# Gas cooler MGK 741



- Virtually maintenance-free since there are no moving parts
- Temperature monitoring
- Low dead volume for short analysis times
- Resistant to shocks and vibrations
- Small dimensions and low weight



Mounting position  
of gas cooler MGK 741

**Application** For dew point reduction of humid gases to help avoid condensation in the analyser. A stable gas outlet dew point avoids water vapour cross sensitivity and volumetric errors.

**Description** Peltier gas cooler, low maintenance and self-monitoring. MGK 741 provides optimum cooling of the gas, reduces the wash-out effect to a minimum and separates the condensate. The condensate is automatically discharged by means of an integrated hose pump. The heat exchanger consists of Duran glass and is arranged in a heat-insulated cooling block. The heat is dissipated by means of a fan and cooling fins. LEDs are used to indicate the operating state. High and low temperature alarms are available as general alarms via a relay contact (voltage-free changeover contact). The compact and space-saving design enables easy integration in stationary gas treatment systems.

## Technical specifications

### Operating temperature range

Ambient: +5/+40 °C  
Storage: -15/+55 °C

### Heat exchanger

Single-stage Duran glass reverse unit

### Gas inlet conditions

Max. 40 °C dew point and max. 120 °C gas temperature at 50 l/h and 20 °C ambient temperature

### Status alarm

Voltage-free changeover contact  
AC 120 V, 0.5 A, DC 48 V, 1 A

### Mounting

Wall mounting

### Connection

Hose: 4 x 1 mm, compression fitting

### Wetted parts

Duran glass, PVDF, Viton, stainless steel

### Supply voltage

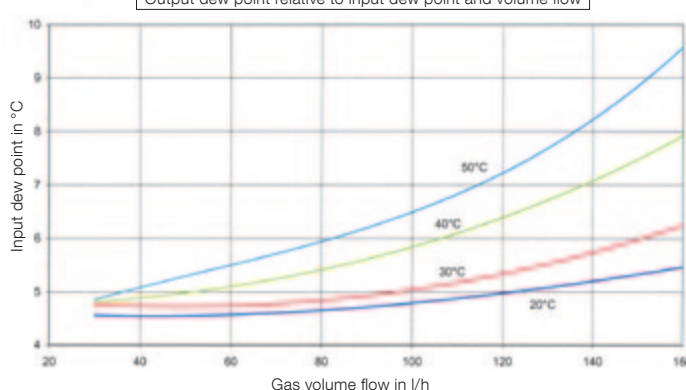
AC 230 V, 50 Hz

### Housing

W x H x D: 230 x 230 x 95 mm  
Weight: Approx. 3.5 kg

### Characteristic

Output dew point relative to input dew point and volume flow



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Please enquire for other gas coolers such as compressor type gas coolers.

DG: E	Part no.	Price €
<b>Gas cooler MGK 741 with hose pump</b>	69510	