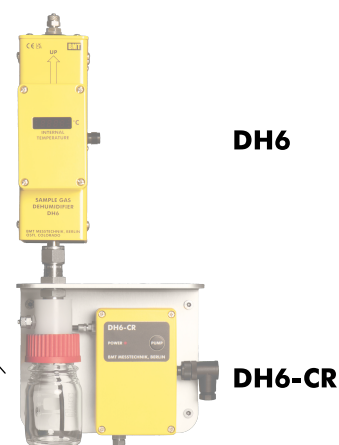


CONDENSATE REMOVAL DH6-CR

*Ozone Resistant
Condensate
Management Solution*



FEATURES

- Timer-controlled removal of condensate from sample gas dryer
- Reliable condensate collection and draining
- Mounting option for DH6 and DH6-LC
- Ozone resistant condensate pump
- Power supply via DH6 or DH6-LC
- Push button for manual draining
- Easy and rapid cleaning
- Warranty 3 years

APPLICATIONS

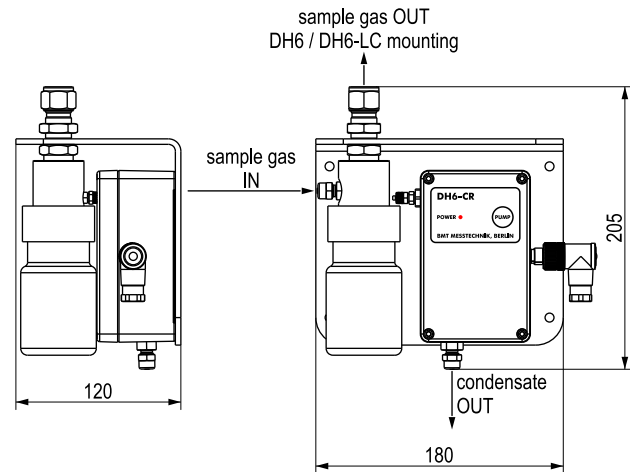
- Local condensate collection and timer-controlled condensate removal
- Photometric measurement of moist sample gases
- Photometric measurement of moist ozone gas (off-gas, vent-gas)

The DH6-CR is a condensate removal unit designed as an optional accessory for the Sample Gas Dehumidifiers DH6 and DH6-LC. Although the preferred setup is to install the dehumidifier directly on top of the reaction vessel - allowing the condensate to flow back into the reactor vessel - this is not always technically feasible. In such cases, the dehumidifier is installed remotely from the sampling point and the DH6-CR provides a practical solution for condensate management: the condensate is collected locally and automatically removed by a timer-controlled, ozone resistant condensate pump. This eliminates the need for manual or complex condensate removal mechanisms.

A typical application is the ozone in off-gas measurement with an outdoor sampling point, where direct mounting of the dehumidifier on the reaction vessel may not be possible due to spatial constraints, lack of infrastructure, regulatory requirements, or environmental conditions. For example, ambient temperatures may fall outside the DH6's specified operating range of 0 - 40°C, requiring the DH6 to be placed in a climate-controlled enclosure or installed indoors (refer to sketch on page 2).

SPECIFICATIONS

principle	timer-controlled fluid pump, ozone resistant
pump interval	12 h for 15 s, guarantees safe condensate removal when cooling 1 l/min sample gas with an initial dew point temperature of 40°C with DH6 / Dh6-LC
proof pressure	min. 1 barg
pressure drop	< 1 mbar @ 1 l/min
ambient temperature	0 - 40°C (non-condensing)
materials in contact with ozone	SS, PTFE, PVDF, glass, FEP
materials in contact with condensate	SS, PTFE, PVDF, glass, FPM, FFPM
inlet gas port	for 4x6 mm or 1/4" x 5/32" FEP tubing
outlet gas port	for tube with OD 12 mm (for DH6 / DH6-IC)
condensate outlet port	for 4x6 mm or 1/4" x 5/32" FEP tubing
mounting distance from sampling point	max. 20 m (for longer distances, please contact factory)
power	24 VDC +/- 5%, 10 W
dimensions (W x H x D)	180 x 205 x 120 mm
weight	1.6 kg

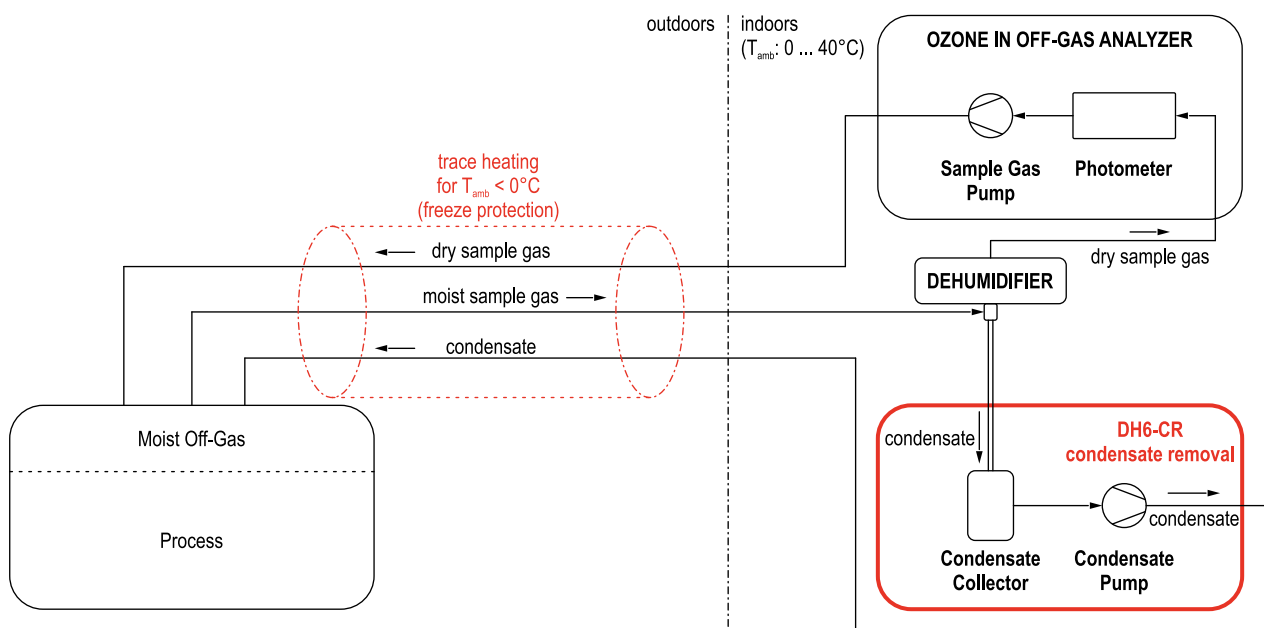


dimensional outline

The DH6-CR is delivered with a SS Swagelok fitting (ID 12 mm, with PTFE seals), which accepts the DH6 / DH6-LC to be plugged in for easy installation. It is powered by the DH6 / DH6-LC (Y-power cable included).

A broad spectrum of ozone measurement products and field proven accessories is also available, e.g.:

- SAMPLE GAS DEHUMIDIFIER DH6 and DH6-LC
- OZONE ANALYZER BMT 965 OG for off-gas measurement, available with a DH6
- OZONE MONITOR BMT 932 C for vent-gas measurement, available with a DH6-LC



T_{amb} = ambient temperature