

Gas Conditioning System

# GO-MO-SERIES

## GO-MO 3

Cooling- Conveying- Measuring



## GO-MO SERIES:

### GO-MO 3

## TREATMENT OF RAW GAS

**Treatment of raw gas for continuous gas analysis (process analysis).**



The test gas conditioning system GO-MO 3 comes with a permeation dryer and a test gas pump.

The gas volume is freely selectable in a range between 50 to 120 l/h and can be adjusted by means of a flow control.

All components of the system are stored in a plastic case which can be mounted on the wall.

The connections for the test gas inlet (4) and test gas outlet (3) are located at the upper side of the case and are marked with ON and OFF.

The system is connected to the mains 230 V AC by means of an appliance connector (1) with a micro-fuse on the left side. The corresponding connection cable comes with the accessories.

### **Operating Mode of Permeation Dryer**

This is a hose-in-a-hose system with a plastic membrane having selective permeability. The carrier gas (in general ambient air) flows in the outer hose in the opposite direction of the test gas.

The water molecules migrate from the test gas to the carrier gas by means of diffusion and are carried off by the test gas. To keep the water flowing without interruption and to prevent total stoppage of the water, the test gas must not contain any particles, aerosols or water in liquid form (droplets). To be on the safe side and avoid any such mishaps, we recommend upstream installation of the gas conditioning system GO-MO 1 or any other cooler system.

## ADVANTAGES

- ☐ Compact design
- ☐ Continuous processing
- ☐ Fast operational readiness of approx. ten minutes
- ☐ Suitable for wall mounting

## PERFORMANCE PROFIL GO-MO 3

Drying	Permeation dryer
Power supply	230 V / 50 Hz via appliance connector
Power consumption	max. 100 W
Gas inlet temperature	max. 5 °C
Gas outlet dew point	approx. -10° (depending on selected flow rate)
Flow rate	approx. 50 - 120 L/h
Ambient temperature	+5 to +30 °C
Pressure / absolute vacuum	1500 mbar / 600 mbar
Number of gas inlets	1
Number of gas outlets	1
Number of condensate outlets	1
Ready	within approx. 10 minutes
Gas connections	bulkhead stuffing box PVDF DN o6/o8
Condensate drain	via membrane pump mixed with ambient air
Gas passages made of	Glass, PVDF, PP, Viton and PVC
Dimensions L x W x H	360 x 254 x 111 mm
Weight	4 kg
Fuse	1A, time-lag fuse, 230 V, 5 X 20 mm
System of protection	IP20 EN 60529
Electrical Equipment Standard	EN 61010
Case	Polystyrene, colour gray, RAL 7035 for wall-mounting



### OPTIONS

- Permeation dryer
- Sample gas pump
- Fine view filter

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