

MRU 600

Portable, stand alone Gas Conditioning System



High quality flue gas conditioning guarantees highly accurate measuring results. Condensation of the flue gas sample must be avoided in the pathway from the point of gas extraction to the flue gas analyzer. None of the target substances must be lost due to condensation. The gas conditioning system protects the analyzer against humidity and dust particles. Thus, long term measuring over a period of several hours becomes possible.

- 100% corrosion resistance of the gas pathways
- No condensation on the way from the gas extraction point due to heated sampling line*
- Temperature regulation to protect the physical condition of the flue gas sample
- More than 99% efficiency guaranteed
- Condensation of the flue gas humidity in the heat exchanger at 5° C
- Indication of the outlet dew point temperature on the front panel of the unit
- Individually adjustable dew point temperature

*Option

Technical Data

Cooling capacity	100 kJ/h
Inlet dew point	40°C up to 65°C max. (depending on flow rate)
Outlet dew point	+ 5°C, Alarm at deviation of $\pm 3^\circ\text{C}$
Cooler type	Peltier controlled heat exchanger
Flow volume	50 ... 150l/h or 50 ... 250l/h (w/ double heat exchanger)
Power consumption	120W max.
Ambient temperature	+5°C up to +50°C
Warm-up time	appr. 5 minutes
Power supply	230V 50/60 Hz
Dimensions	410x360x210 mm (WxHxD)
Weight	10 kg