

Mobile gas treatment system MAXISYSTEM



MAXISYSTEM

Portable gas treatment system for long-term measurements and applications on different sites requiring high-precision gas analyses and involving pollution and condensate in the flue gas.

The electronically controlled Peltier cooler prevents the formation of condensate and the precipitation of pollutants in the flue gas analyser by reducing the dew point temperature. MAXISYSTEM is particularly helpful if highly water-soluble gases (such as NO₂ and SO₂) are to be analysed.

The complete gas treatment system is contained in a small, robust case to ensure accurate and reproducible analyses quickly and with high reliability. This is most important for demanding gas analysis applications.

Gas withdrawal probe PSP 4000



With external ceramic filter element

Description

The basic version of the portable gas treatment system MAXISYSTEM features all required functions and components:

- Gas cooling:
Gas cooling with Peltier gas cooler
- Gas filtering:
Fine dust filter
- Gas transport:
Gas pump in MAXILYZER
- Condensate transport:
Condensate removal by means of hose pump

The gas treatment system is equipped with a status recognition unit for the detection of the operating status of the cooler and the heating hose. When the condensate alarm LA+ is activated, the 3/2-way solenoid valve for free suction from the MAXILYZER instrument is opened and the internal gas pump (option) of the MAXISYSTEM is switched off. In addition, there is a mains switch and a switch for the internal gas pump.

Technical specifications

Gas cooler

- Gas inlet: Max. 60 °C dew point, 100 °C gas temperature
- Ready for operation after app. 15 min.

Gas flow and filtering

- 70 l/h at 200 mbar
- Fine dust filter with glass fibre filter 2 µm

Status indication via LED at the front

Temperature of cooler and heating hose, status „Cooling active“ as well as condensate alarm LA+

Connection

Hose NW 3 mm, hose connector, plug-in

Wetted parts

Duran glass, PVDF, Viton, stainless steel

Supply voltage

AC 230 V/50 Hz, 60 W

Operating and storage temperature

+8 °C/+40 °C and -15 °C/+55 °C

Protection (EN 60529)

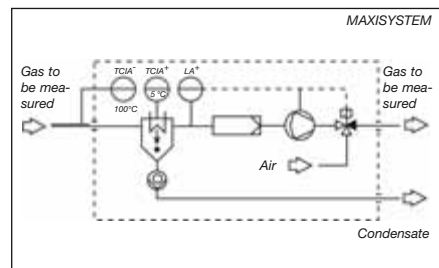
IP 20 operating condition (open), IP 65 closed

Dimensions and weight

W x H x D: 273 x 178 x 247 mm
Approx. 4 kg

Gas flow chart

(shown with options)



DG: H	Part no.	Price €
MAXISYSTEM with controller for heated pipe and condensate pump without gas pump, with mains cable	69486	
Gas pump 60 l/h and activation pump ON/OFF when cooler is ready for operation	69486A	
Probe 300 mm with accessories, not heated Hose for condensate outlet 300 mm, 1 m connection hose with 2 female connectors	69485	
Gas sampling probe PSP 4000, portable, heated Probe temperature +100 °C/+180 °C, adjustable	68900	
Heated line 5 m type WAP 183/04/030 with thermocouple PT 100	69476	
Heated line 3 m type WAP 183/04/030 with thermocouple PT 100	69478	