

JUM MODEL 108

Heated Diluter

The JUM Model 108 is an extractant dilution system for hot gas coming mainly from piped waste. This model dilutes any highly concentrated gas sample by a fixed ratio from 1:50 to 1: 100. It thus makes it possible to reduce the concentration in order to adapt to the ranges of your analyzers and to guarantee the linearity of the measurement.

The JUM Model 108 is the ideal equipment to be used upstream for the analysis of volatile hydrocarbons at very high concentrations (above 100,000 ppm), with the FID JUM 3-200, 3-500 and 109-A OVE analyzers.



Continuous injection

- ✓ **Rental from one day**
- ✓ **Technical assistance included**

TECHNICAL SPECIFICATIONS

MÉTHOD	Continuous sample injection into a steady stream of zero gas, instrument air or ambient air
SAMPLE FILTER BACK PURGE	2µm stainless steel mesh low pressure drop
SAMPLE FILTER DISPOSABLE	2µm glass fiber cartridge low pressure drop
HEATED SAMPLE PUMP	Diaphragm type, 2,5 liter/min, stainless steel, Viton®seals
AIR PRESSURE PUMP	Diaphragm type, 2,5 liter/min, POM, Viton®-seals
OVEN TEMPERATURE	190°C
SAMPLE GAS PLUMBING	Tubing and fittings Swagelok 316SS
SUPPLY GAS PLUMBING	PTFE and PA12 tubing and Ni plated brass fittings
SUPPLY GAS CONDITIONS	Zero and span gas: 1 bar, 0,1 MPa, 15 PSI Purge air: 3,5 bar, 0,35 MPa, 51 PSI Dilution gas: No Pressure Sample gas: No pressure
VOLTAGE	230 VAC/50Hz
DIMENSIONS	WxDxH: 483x 460x132mm (19")
WEIGHT	14 kg

KEY POINTS

- Short response time
- Components heated to 190 °C
- Built-In air pressure pump and heated sample pump
- 2µ sample filter
- Disposable easy to change sample filter
- Calibration valves for zero- and span calibration
- Large oven temperature display
- Precision sample pressure regulator

APPLICATIONS

- Monitoring of high levels of VOCs or other gases in atmospheric emissions
- Catalytic converter test
- Petrochemical plants
- Gas plants
- Cogeneration plants
- Utility boilers
- Pulp mills
- Energy recovery from waste
- Incinerators

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