

JCT
Analysentechnik

JMSUP-2

Heated Sample Feed Unit with Stream Selector



Gas Sampling
Probes

Heated Sample
Lines

Sample Gas
Coolers

Condensate
Treatment

Accessories

Gas Conditioning
Systems

Sample Gas
Converters

APPLICATION

- For extractive gas analysis
- For emission and process monitoring
- Stream selector for two measuring streams to one analyzer
- For hot-wet gas analysis

BENEFITS

- No change in flow velocity/pressure due to tube-size bore hole through ball valves
- Maximum operational safety
- No damage of the analyzer in case of failure
- No influence to sample gas
- No cold spots
- Low noise operation also in case of switching
- Low and easy maintenance
- Easy mounting and integration in gas analysis systems

FEATURES

- 2 measuring points
- Suitable for up to 65 °C ambient temperature
- Wallmount
- Complete heating
- Controlled heating up to max. 105 °C
- Temperature status contact
- „Fail safe“ condition in case of power failure
- Stainless steel ball valves with full bore size for sample stream selection
- Pneumatic actuated ball valves
- Optical shift position indicator
- Integrated flow indicator with flow monitor
- Integrated heated sample pump
- Integrated temperature controller

TECHNICAL DATA

Model	JMSUP-2
Description	heated sample stream selector with heated sample pump
Number of measuring points	2

Operation

Operating temperature (adjustable)	up to 105 °C
Ambient temperature	5°...65 °C
Operating pressure	50...150 kPa abs
Auxiliary air supply	min 4 bara, max 11 bara
Pump capacity at atm. pressure	3 l/min
Heating-up time	approx. 30 min

Construction

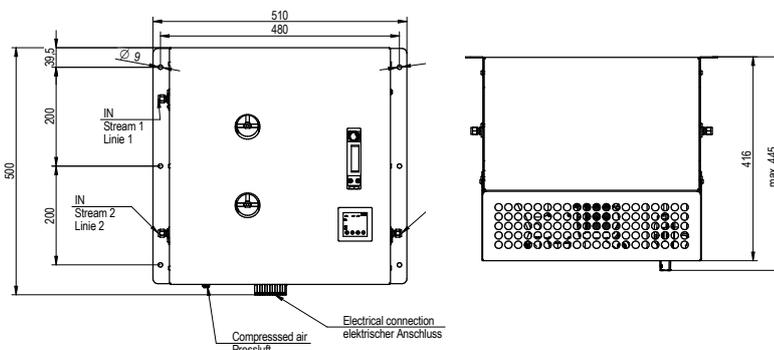
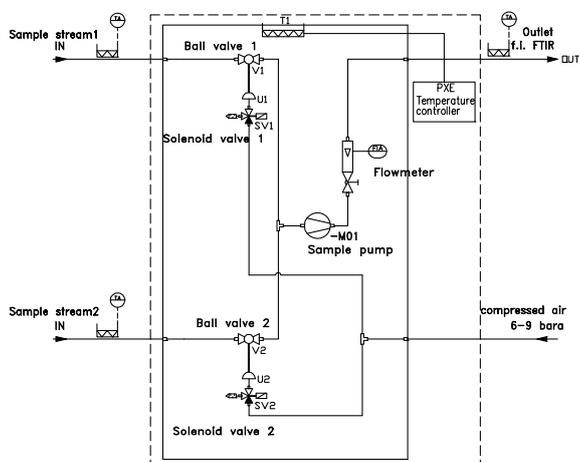
Dimensions over all (W x H x D)	510 x 500 x 445 mm
Weight	approx. 30 kg
Sample gas connections inlet / Outlet	6 mm bulkhead fitting (left / right side)
Connection instrument air	6 mm „push in“ (bottom side)
Sample gas wetted materials	SS316, Viton®
Protection class	IP20 (EN60529)
Housing / Colour	stainless steel SS304, natural
Approvals / Signs	CE

Electrics

Power supply	230 VAC 50/60 Hz
Power consumption	400 VA
Temperature controller with status contact	built in, with temperature sensor Pt100 RTD, IEC 751
Electrical connection	spring type terminals, clamping range 0.08 to 2.5 mm ²

Gas flow diagramm

Dimensions in mm



ORDER CODES

Order code	Description
79.00110	JMSUP-2 for 2 sample streams, 230 VAC 50/60 Hz

Gas Sampling **Probes**



Heated Sample **Lines**



Sample Gas **Coolers**



Gas Conditioning **Systems**



NOx **Converter**



and solutions for

