



**JCT**  
Analysentechnik

# JSP-87 Ex Explosion Proof Sample Gas Pump



## APPLICATION

- For extractive gas analysis
- For emission and process monitoring
- For continuous pumping of explosive sample gas
- Certified for gases of group II B +H2 and up to temperature class T4
- For installation in Ex zone 1 or 2
- Applicable for long tube and hose distances

## BENEFITS

- Reliable continuous sample gas delivery
- No change of sample gas
- High pneumatic power
- Easy mounting and integration in gas analysis systems
- Low noise and vibration operation
- Long life time
- Maintenance free construction
- Corrosion resistant
- Gas tight

## FEATURES

- For continuous operation
- Robust construction
- Small size
- Membrane pump with pump capacity 7,5 NI/min
- Corrosion resistant materials: PVDF, PTFE, FFPM
- Oil free gas path
- Operation in any installation position
- Suitable fittings, mounting bracket and vibration absorbers as accessories

Gas Sampling Probes

Heated Sample Lines

Sample Gas Coolers

Condensate Treatment

## Accessories

Gas Conditioning Systems

Sample Gas Converters

## TECHNICAL DATA

### Model

**JSP-87 Ex**

Description continuous working explosion proof sample gas membrane pump

### Operation

Pump capacity at atm. pressure	7,5 NI/min
Ambient temperature	+5° to 40°C
Operating pressure max.	2,5 bara
End vacuum max.	0,14 bara

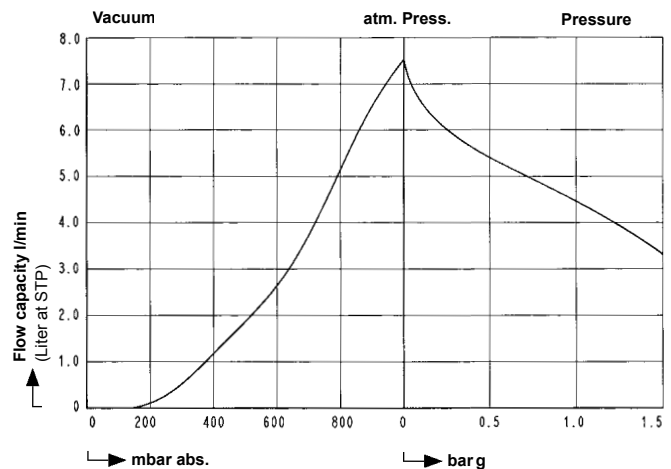
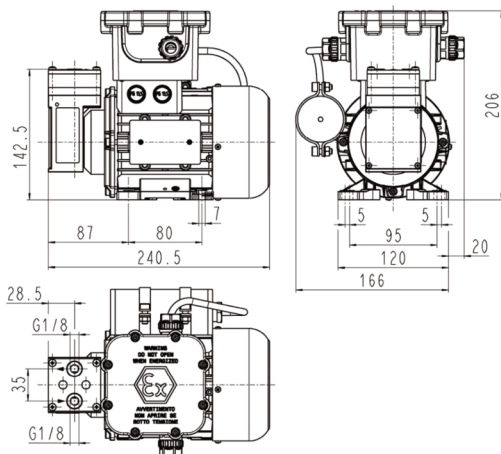
### Construction

Dimensions over all (W x H x D)	186 x 206 x 240,5 mm
Weight	7 kg
Connections inlet / outlet	G 1/8" i
Gas wetted materials	PVDF, PTFE, FFPM
Protection class	IP66
Type of protection	pump:  II 2G c IIB + H2 T4 X; motor:  II 2G Ex db IIC T4
Approvals / Signs	CE

### Electrics

Power supply	230 VAC 50/60 Hz
Power consumption	approx. 170 W
On time	100 %
Electrical connection	connection terminals max. 2,5 mm <sup>2</sup> , 1 x cable gland M20 x 1,5, clamping range 6 to 12 mm

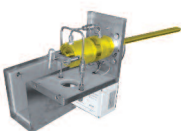
Dimensions in mm



## ORDER CODE

Order Code	Description
K8533126	JSP-87 Ex explosion proof sample gas membrane pump, 7,5 NI/min, 230 VAC 50/60 Hz

Gas Sampling Probes



Heated Sample Lines



Sample Gas Coolers



Gas Conditioning Systems



NOx Converter



and solutions for

