# JSP-86 / JSP-86 KTE / JSP-89 Compact Sample Gas Pumps





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
- · For continuous pumping of sample gas
- · For installation in gas analysis systems
- · Suitable for mobile devices
- · Applicable for long tube and hose distances

# **BENEFITS**

- · Reliable continuous sample gas delivery
- · No alteration of sample gas
- · High suction 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
- · Compact light weight design
- · Robust construction
- Pump capacity 3 / 5,5 / 9,5 NI/min
- · Membrane pump
- Corrosion resistant materials: EPDM, Ryton<sup>®</sup>, Viton<sup>®</sup>, PTFE coated
- · Ball bearing brushless shaded pole motor
- · Oil free gas path
- Operation in any installation position
- Suitable fittings, mounting bracket and vibration absorbers as accessories

TECHNICAL DATA				
Model	JSP-86	JSP-86 KTE	JSP-89	
Description	Continuously working compact sample gas pump			
Operation				
Pump capacity at atm. pressure	3 NI/min	5,5 NI/min	9,5 NI/min	
Ambient temperature	+5° to 40°C			
Operating pressure max.	3,4 bara	3,5 bara	1,5 bara	
End vacuum max.	0,10 bara	0,16 bara	0,10 bara	
Construction				
Dimensions over all (B x H x T)	64 x 92,5 x 103 mm	64 x 92,5 x 103 mm	64 x 95 x 117 mm	
Weight	1,1 kg	1,1 kg	1,3 kg	
Connections inlet / outlet	G 1/8" i			
Gas wetted materials	EPDM, Ryton®, Viton®	PTFE coated, Ryton®, Viton®	EPDM, Ryton®, Viton®	

# **Electrics**

IP00

Protection class

85.08920

Power supply	115 VAC 60 Hz	230 VAC 50 Hz	230 VAC 50 Hz or 115 VAC 60 Hz
Power consumption	60 W		
On time	100 %		
Electrical connection	2 x 200 mm free strands 0.35 mm <sup>2</sup> and 6.3 mm "Fast On" earthing lead		

Dimensions in mm **JSP-86 / JSP-86 KTE** JSP-86 atm. Pressure Pressure JSP-86 KTE Pump capacity NI/min **JSP-89** JSP-89 atm. Pressure Pump capacity NI/min ⊢⊳ bar

#### barg mbarg Pump 230 VAC 50 Hz **Pump 115 VAC 60 Hz Description** K1233144 JSP-86 Membrane sample gas pump, 3,0 NI/min 85.08620 JSP-86 KTE Membrane sample gas pump, 5,5 NI/min

JSP-89 Membrane sample gas pump, 9,5 NI/min

**ORDER CODES** 

K8533122

JCT Analysentechnik GmbH Werner Heisenberg-Strasse 4



Subject to change without notice PDS\_E\_JSP\_v4.0