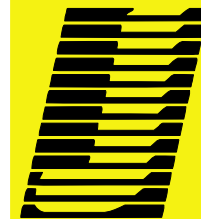


- Sampling Conditioning Systems
- Process Analytics
- System Integration
- Gas Generators
- FTIR-Analysers



conditioning systems

Peltier Coolers JC 14 and JC 24



APPLICATION

- For extractive measurements
- Reduction of dew point of wet sample gas
- Upgradeable to turnkey gas conditioning system
- With 1 or 2 gas paths
- 19" rack mounting housing

OPERATION

- Start-up time less than 15 minutes
- Consumable parts are accessible and replaceable without tools
- Applicable for continuous operation

TECHNICAL FEATURES

- Peltier cooler with controller
- Condensate pump
- Fine dust filter
- Flow meter with needle valve
- Status contact
- Optionally: condensate detector, solenoid valve, calibration port, sample gas pump, stainless steel sample gas inlet

BENEFITS

- Reliable gas conditioning prior to gas analysis
- Easy and quick maintenance
- Corrosion resistant gas paths
- Constant dew point

TECHNICAL DATA

SPECIFICATIONS

Number of gas paths JC 14	1
Number of gas paths JC 24	2
Gas flow per gas path	60l/h
Dew point at outlet	+5°C
Stability of dew point	+/- 0,2°C at Gas temp. in +140°C, DP in=60°C; at 20°C
Ready for operation	< 15 min
Gas flow max.	240l/h per heat exchanger
Gas temperature inlet	max. +150°C
Dew point at inlet	max. +40°C
Ambient temperature	+5°C...+40°C
Operation pressure	0,4...2,2 bar abs.

SPECIFICATIONS

Dimensions	483x266x425mm (WxHxD)
Weight JC 14	approx. 9-11 kg depending on configuration
Weight JC 24	approx. 14-16kg depending on configuration
Dead volume per heat exchanger	approx. 50ml
Gas connections	PVDF tubing fittings ID/OD 4/6mm
Main voltage	115 VAC or 230VAC 50/60Hz +/-10%
Power requirement	JC 14: 30...160 VA JC 24: 60...320 VA
Cooling element(s)	Peltier
Protection class	IP 20 (EN 60529)

ORDER CODES

BASIC UNITS

12.21010	JC 14, 230VAC 50/60Hz
12.21011	JC 14, 115VAC 50/60Hz
12.20010	JC 24, 230VAC 50/60Hz
12.20011	JC 24, 115VAC 50/60Hz

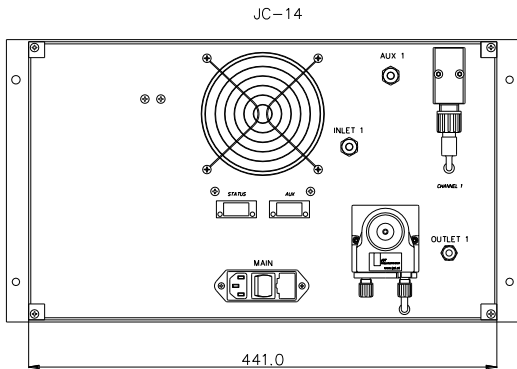
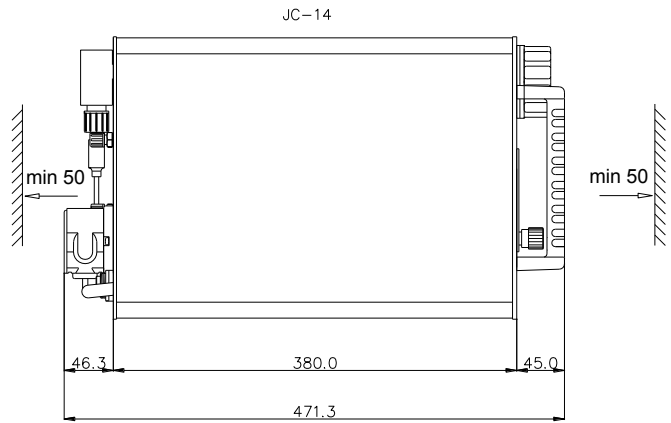
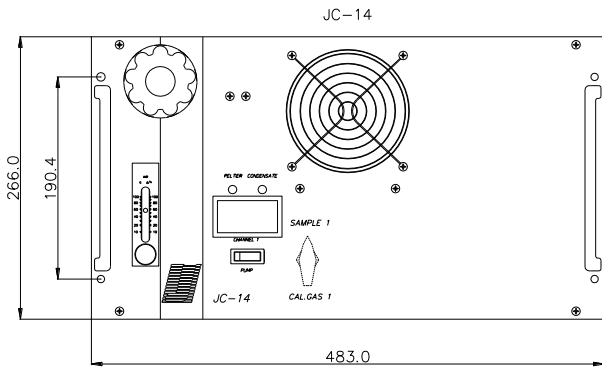
OPTIONS

12.00003	Stainless steel sample gas inlet
12.00066	Condensate detection
12.00021	Solenoid valve 230VAC
12.00021S	Solenoid valve 115VAC
12.00015	Sample gas pump 230VAC
12.00015S	Sample gas pump 120VAC
auf Anfrage	Calibration port with ball valve

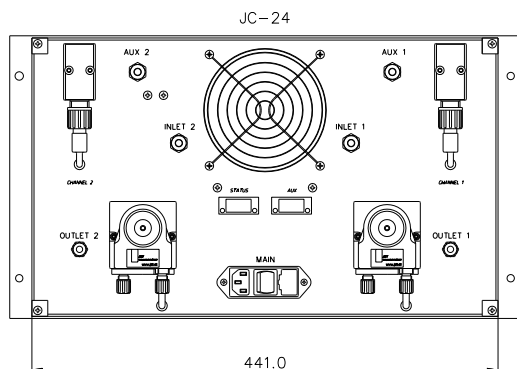
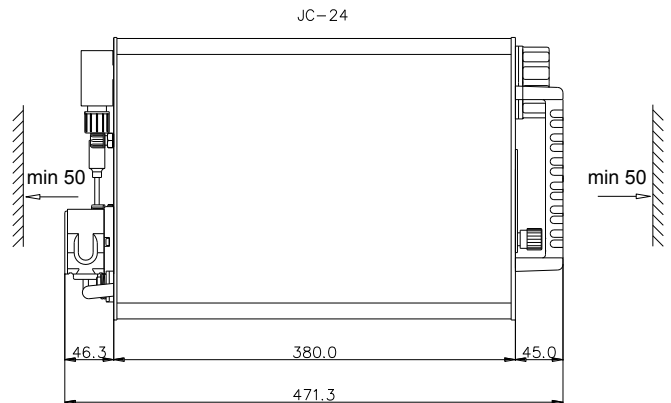
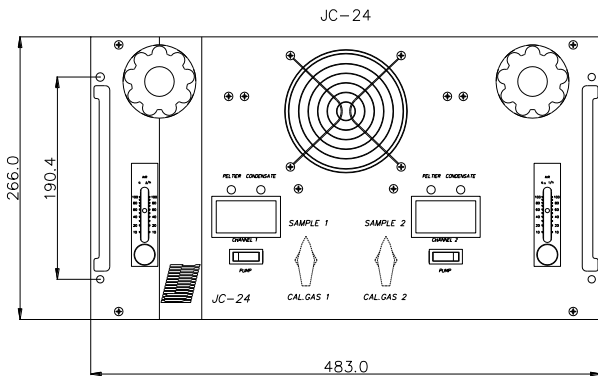
SPARE PARTS

K1004600	Fan 230VAC
K1004605	Fan 115VAC
K1204323	Peltier – controller JPCU1
K1204360	Condensate detector electronic KW2
17.04000	Condensate sensor KW1
K1250010	Temperature sensor
K1233002A	Condensate pump complete
12.90392	Hose set condensate pump
K1233009A	Pulley holder condensate pump
B1253000	Gas heat exchanger PVDF
K1233011	Tubing cover

DIMENSIONS



All Dimensions in mm



All Dimensions in mm

Specification subject to change without notice.

PDS_E_JC14_24_v1.0

JCT Analystechnik GmbH

Werner Heisenberg-Straße 4 A-2700 Wiener Neustadt
 Tel. +43 (0) 2622 / 87201 Fax +43 (0) 2622 / 872011
 E-Mail: sales@jct.at Web: www.jct.at

