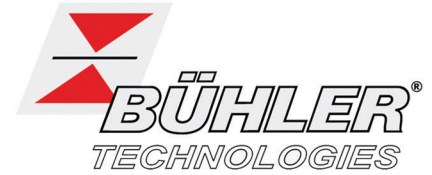




OFFICIAL UK DISTRIBUTORS FOR:



DRM Technic

Suppliers of Gas Analysis Equipment

**CPsingle/CPdouble X2
Sample Gas Pumps**

CPsingle/CPdouble X2 PERISTALTIC CONDENSATE PUMPS

These pumps are specially designed to move condensate out of a gas analysis system. They are flame-proof, suitable for corrosive condensates, and have approval for ATEX 2, IECEx and CL.1 Div.2 applications.



FEATURES

**Built-In and Housing Version | Pumps available w/ Single or Double Head | Separate Installation Possible
Various Flow Rates | Easy to Replace Hoses | Various Hose Materials Available | 115/230 V AC**

SPECIFICATIONS

Product No.	CPsingle/CPdouble X2 Peristaltic Pump
Nominal Voltage / Power Input at $T_{amb} = 20\text{ °C}$ and under load	230 V 50 Hz, 0.025 A 115 V 60 Hz, 0.044 A
Flow Rate	0.3 L/h (50 Hz) / 0.36 L/h (60 Hz) with Standard Hose 1.0 L/h (50 Hz) / 1.2 L/h (60 Hz) 13 ml/h 61 ml/h
Inlet Vacuum	Max. 0.8 bar
Inlet Pressure	Max. 1 bar
Output Pressure	1 bar
Degree of Protection	IP44 (housing version) IP40 (built-in version)
Ambient Temperature	0 ... 50 °C
Cable Lengths	2m (115/230 V housing version) 500 mm (115/230 V built-in version)
Materials	Hose: Norprene (Standard), Marprene, Fluran Connections: PVDF
Markings	FM16ATEX0030X II 3G Ex nA IIC T4 Gc IECEx FmG 16.0018X Ex nA IIC T4 Gc USA/Candad: CL.1/Div.2 Gps: A,B,C,D T4

CALCULATING CONDENSATE ACCUMULATION

Dew point	30	40	50	60	70	80	°C
Moisture Content	4	7	12	20	31	47	Vol%
Moisture Accumulation (w) per 100 NI/h/cooled air	2.2	4	6.5	12	22	44	ml/h per 100 NI

Total condensate accumulation formula:

$$w_{ttl} = \frac{\text{Cooled air flow}}{100 \text{ NI/h}} \cdot w \text{ (inlet dew point)}$$

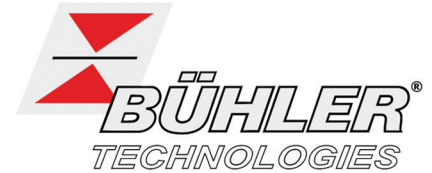
Example: 180 NI/h behind the cooler; Inlet dew point 50 °C

$$w_{ttl} = \frac{180 \text{ NI/h}}{100 \text{ NI/h}} \cdot 6.5 \frac{\text{ml}}{\text{h}} = 12 \frac{\text{ml}}{\text{h}}$$

CONTACT US: DRM Technic, 15C Raleigh Hall Industrial Estate, Stafford, Staffordshire, ST21 6JL



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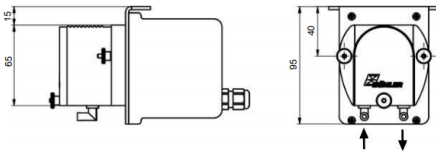
Suppliers of Gas Analysis Equipment

**CPsingle/CPdouble X1
Sample Gas Pumps**

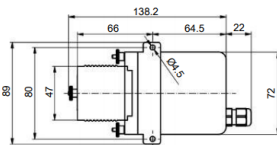
TECHNICAL DRAWINGS

Dimensions of peristaltic pumps 115 / 230 V

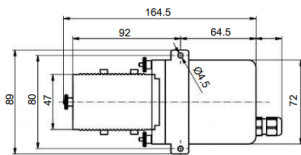
Housing versions



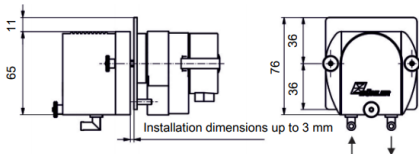
Housing version with 1 gas path



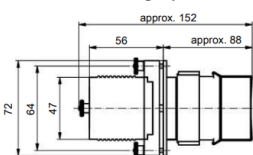
Housing version with 2 gas paths



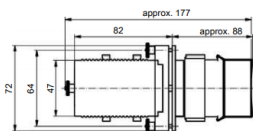
Built-in versions



Built-in version with 1 gas path



Built-in version with 2 gas paths



(All dimensions in mm)

OPTIONS & ACCESSORIES

Gas Path

- Single Gas Path
- Double Gas Path

Version

- Housing Version
- Built-In Version

Supply Voltage

- 115 V AC
- 230 V AC

Area of Application

- Explosive Areas Zone 1

Hose Material

- Norprene

Flow Rate / Hour

0.3 L/h

- 1 L/h (only 115/230 V AC, single gas path)
- 13 ml/h (only 115/230 V AC, single gas path)
- 61 ml/h (only 115/230 V AC, single gas path)

Hose Connection

- Straight Hose Nipple
- Angled Hose Nipple
- Straight and Angled Hose Nipple
- Screw Connection (Metric) DN 4/6
- Screw Connection (US) 1/6" - 1/4"
- Angled Hose Nipple and Screw Connection (metric)
- Angled Hose Nipple and Screw Connection (US)
- Straight Hose Nipple and Screw Connection (metric)
- Straight Hose Nipple and Screw Connection (US)

For more, please contact our sales department

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