



Revision V1.00

PAROX – ACCESSORIES



LIST OF ACCESSORIES

- Back Pressure Regulator
- Panel-Dust Filter
- Flowmeter
- External (bypass) Flow Regulator



BACK PRESSURE REGULATOR

Constant sample gas pressure
High accuracy < 2 mbar
Maintenance-free



The back pressure regulator serves the purpose of ensuring a consistent sample gas pressure within the analyzer, irrespective of the barometer reading, and is installed at the gas outlet of the analyzer.

We offer special back pressure regulator for continuous monitoring applications and for installation into PAROX and Multi 2x00 *Plus* series.

TECHNICAL SPECIFICATIONS

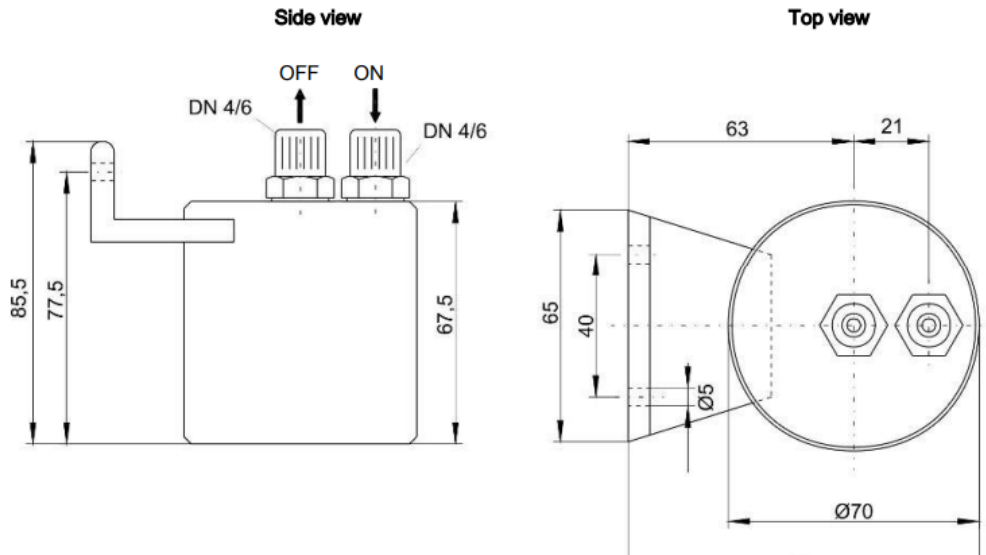
Flow rate	min. 0.416 l/min max. 3.33 l/min
Settings	Standard 1067 ±2 mbar max. 1400 mbar
Accuracy	< 2 mbar < 1 mbar at constant flow
Sample gas temperature	+5°C – +50°C
Gas connections	Hose DN 4/6
Materials	CuBe/1.4571/PP PVDF/Viton
Dead volume	45 ml
Weight	0.24 kg

ORDERING INSTRUCTIONS

Part no.	1620231252
Model	PA0114 Back Pressure Regulator



EXTERNAL DIMENSIONS




all dimensions here are in mm.

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 Typical values related to 1.013 bar, Ta = 25 °C, flow = 0.7 l/min for dry (non-condensing) and clean sample gas. Stated values exclude calibration gas tolerance.

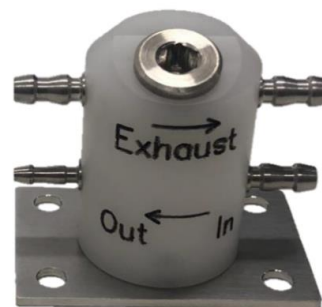
All specifications – technical included – are subject to change without notice. Depending on the application, the target gas and the measurement range the technical data may differ. No liability is accepted for any consequential losses, injury or damage resulting from the use of this document or from any omissions or errors herein. The data is given for guidance only. It does not constitute a specification or an offer for sale.

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EXTERNAL (BYPASS) FLOW REGULATOR

Compact size
Easy installation
Eliminates gas flow fluctuations



An external bypass for gas analysis is a fully mechanical component in continuous gas monitoring systems. It serves the vital function of diverting a portion of the sample gas flow away from the primary analytical path. This diversion allows for several crucial purposes, including maintaining a consistent flow rate, protecting sensitive analytical equipment from high flow rates, and facilitating calibration and reference gas introduction.

We offer special external (bypass) flow regulator for installation in combination with paramagnetic PAROX 1200 series. The bypass ensures a gas flow of approx. 0.1 l/min. through the measuring cell when applying a gas flow of 0.16 – 1.5 l/min

TECHNICAL SPECIFICATIONS

Dimensions	30x45x39 mm
Applying gas flow rate	0.16 – 1.5 l/min
Medium	Gas
Contact material	PVDF/INOX with integrated orifice for PAROX 1200
Positioning	Vertical placement with "This side up" indication
Tube connections	3x4.5 mm and 1x3 mm


ORDERING INSTRUCTIONS

Part no.	1620231251
Model	PA0079 External Bypass Regulator

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PANEL-DUST FILTER

- Front panel installation
- Easy installation
- Large filter surface area
- Easy filter element replacement



In emission control, particularly when using portal analysis systems, it's often challenging to extract sample gas without introducing particle contamination. To address this issue, the required conditioning systems must be compact and lightweight, necessitating small and lightweight system components.

We offer special filter housings for continuous monitoring applications and for installation into a standard 19" rack (PAROX and Multi 2x00 *Plus* series). The PA0137 front panel filter AGF-FE-1 filters screw into the front panel with sample gas connections at the back.

TECHNICAL SPECIFICATIONS

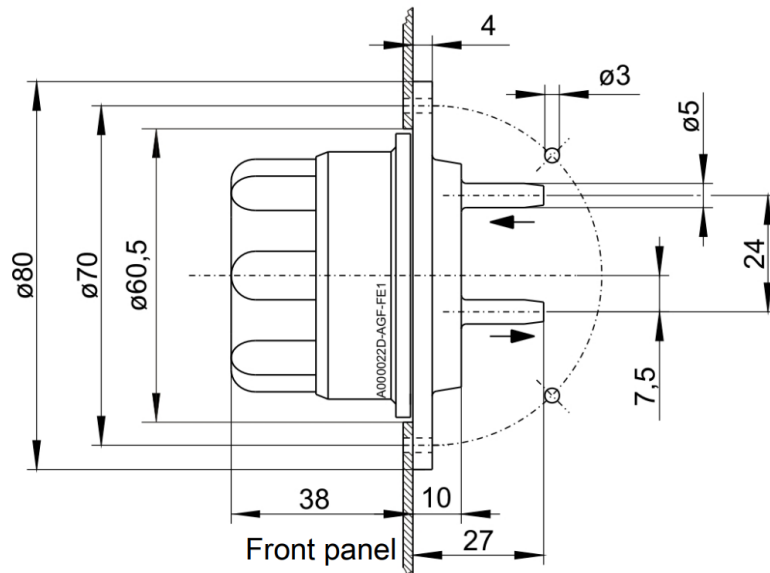
Filter surface	40 cm ²
Filter fineness	2 µm
Dead volume	25 ml
Material – filter housing	PC
Material – gasket	Viton
Material – filter element	Fiberglass / epoxy resin
Connections	DN 04/06
Operating pressure max.	2 bar
Medium temperature	max. +80°C

ORDERING INSTRUCTIONS

Part no.	1620231505
Model	PA0137 Front panel filter AFG-FE-1



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FLOWMETER

- Flow through measurement without valve
- Front panel installation
- Easy installation
- Glass ball float for the measurement of gases



In continuous gas measurement, flowmeter ensures the accurate delivery of sample gases to the analysis equipment, allowing for precise calculations and reliable data output. Gas analyzers benefit from the reliability and stability provided by this type of flowmeter, making it an essential component in various analytical applications where precision and consistency are paramount.

We offer special flowmeter (rotameter) for continuous monitoring applications and for installation into PAROX and Multi 2x00 *Plus* analyzer series.

TECHNICAL SPECIFICATIONS

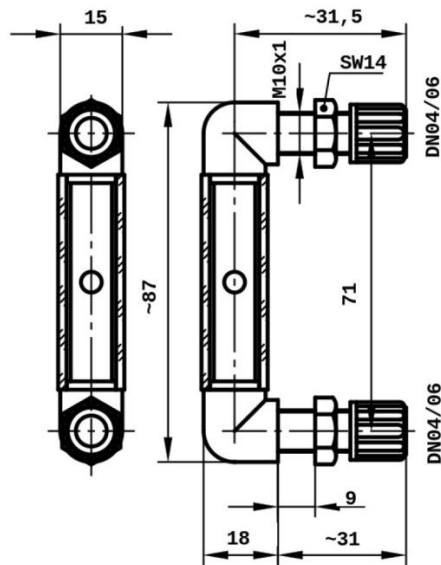
Connections (for tubing)	DN 04/06
Flow rate	0.2 – 2.0 l/min
Medium	Gas
Material – housing	PVDF
Material – O-Ring	FKM
Material – measuring tube	DURAN® – glass
Material – spindle	PCTFE
Material – float ball	glass
Material – protective tube	PMMA
Maximum operating pressure	1 bar
Maximum temperature	+70°C
Measuring tube dimensions	65 x 8 mm (L x Ø)

ORDERING INSTRUCTIONS

Part no.	1620973913
Model	PA0134 Rotameter



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