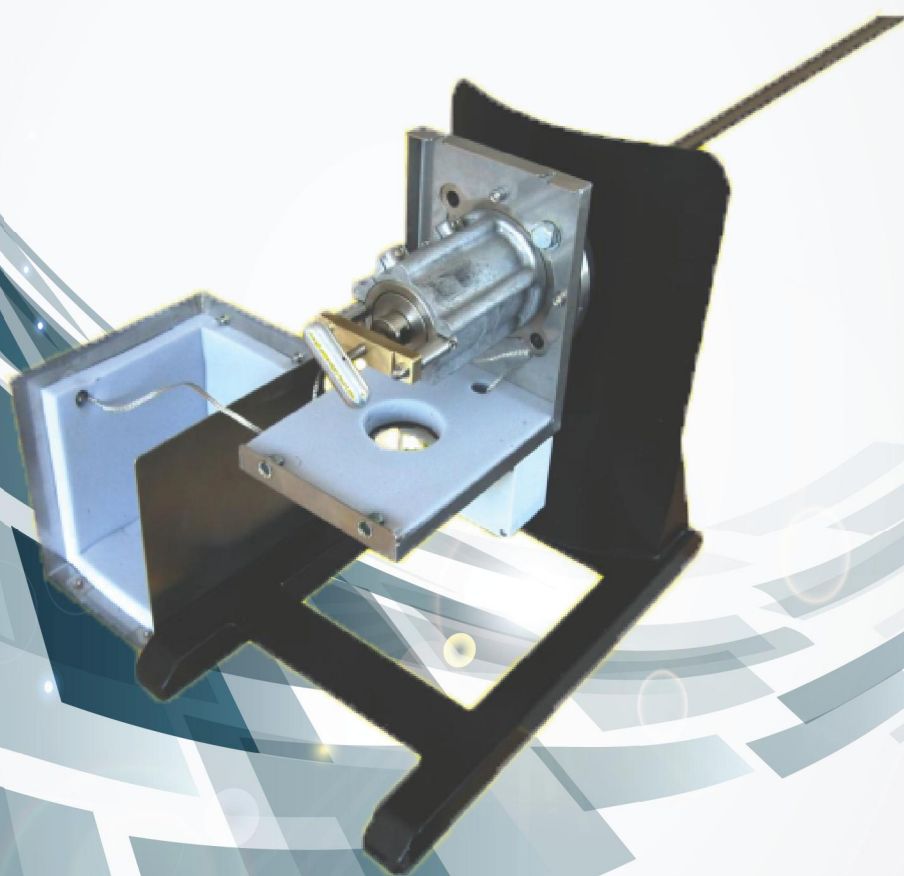


Gas Sample Probe

NG 3000-SP2



BONT[®]

Bont Technologies GmbH

Application

- For continuous gas sampling in processes with dust content and humidity.
- Removing aerosols and dust from sample.
- Extractive gas analysis.
- Emission monitoring and process monitoring.
- For outdoor and indoor use.

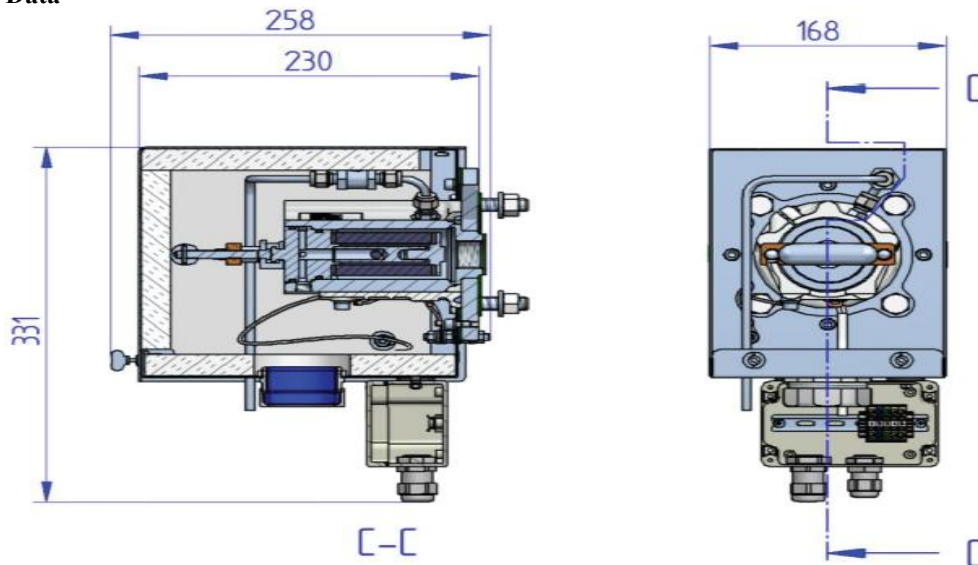
Benefits

- Convenient filter replacement.
- Small Outlines.
- Quick heat up, max. 30 min.
- Suitable for standard applications.

Features

- Filter replacement without tools.
- 2 µm filter element heated to 180°C.
- Filtration from outside to inside.
- Calibration gas port (option).
- Heated sample hose connected directly to heated sampling probe.
- Weather protection housing.
- For dust concentrations up to 1 g/m³.
- Self regulating PTC heater.
- Low temperature status contact.
- No temperature controller needed.

Technical Data



Specifications

Filter element	Bonded silicon carbide; pore size 2µm; 40/20x66 mm
Operating pressure	Max. 200kPa abs
Mounting flange Option	DN 65, PN6; DIN 2573; SS316Ti 2" ANSI-flange, 150lbs
Mounting Angle	Recommended 5° - 15° incline to allow condensate drainage
Sample gas inlet	G3/4" female thread
Sample gas outlet	1/8" NPT female thread
Calibration Port (option)	4/6mm pipe stub
Gas wetted parts	SS316Ti, SiC, Viton® (FKM)
Operating Temperature	Approx. 180°C
Heater Element	PTC self limited
Low Temperature Threshold	150°C
Heat Up Time	Approx. 30 min
Ambient Temperature	-20°C ... + 60°C
Dust Load	Max. 1g/m ³ , flow dependant
Power Consumption	Approx. 300 VA
Power Supply	115-230VAC 50/60Hz
Connection Terminal	Springtype terminal clamping range 0,08....2,5 mm ²
Cable entry power supply	Conduit M20
Cable entry status contact	Conduit M16
Contact rating status contact (volt free)	Min. 24VDAC/50mA Max. 230VAC/5A cosP 0,95
Protection class	IP43 according to EN60529
Weather protection housing	SS304, thermally isolated
Weight	Approx. 9 kg
Approvals / signs	TUV EC Conformity

Order Code

Part.No.	Model *1	Filter	Options			Flange		Supply Voltage
			Calibration Port with Non Return Valve	Calibration Port without Non Return Valve	Weather Protection	DN65/PN6	2" ANSI, 150 lbs	
		2µm bonded silicon carbide						115VAC to 230VAC 50/60Hz
03000	NG 3000-SP1L	X			X	X		X
03010	NG 3000-SP1LC	X	X		X	X		X
03020	NG 3000-SP1LA	X		X	X	X		X
03030	NG 3000-SP1LZ	X			X		X	X
03040	NG 3000-SP1LCZ	X	X		X		X	X
03050	NG 3000-SP1LAZ	X		X	X		X	X

* 1 Scope of delivery: device, mounting material, gasket for flange, operating manual

Accessories	
Part No.	Description
03060	Sampling pipe, 12mm diameter, SS316Ti, max. 600°C, L = 1000 mm
00950	Gasket for sampling pipe 3/4"
90080	Male connector SS316, for 6 mm tube
90081	Male connector SS316, for 8 mm tube
90083	Male connector SS316, for 1/4" tube
90084	Male connector SS316, for 3/8" tube
90086	Male connector SS316, for 6 mm tube
90087	Adapter for G3/8" connector SS316, for 10 mm tube

Consumable Parts	
Part No.	Description
93100	Consumables kit, consisting of 1 x O-ring A and B, 1 x filter element bonded SiC 2 µm, 2 x gaskets Vi-ton®
90010	O-ring A, 200°C, Viton® (FKM)
90011	O-ring B, 200°C, Viton® (FKM)
93014	Filter element bonded SiC, 2 µm, 40/20 x 66mm
90015	Gasket for filter element, 200°C, Viton® (FKM)

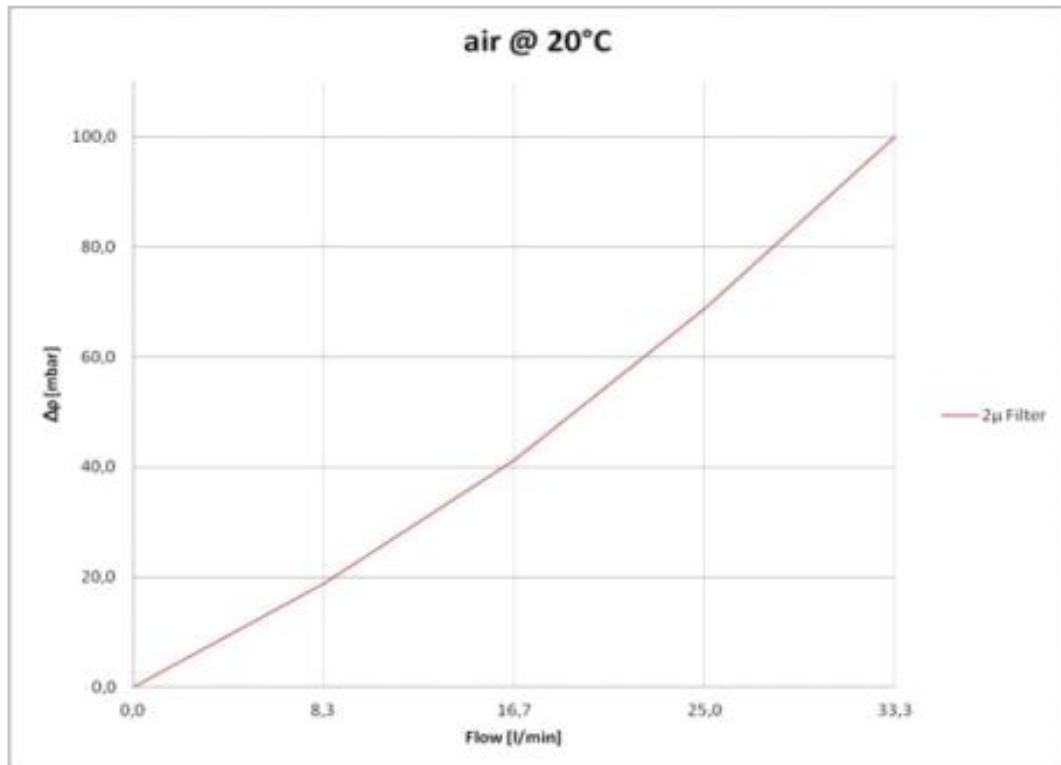
Flange Adapter		
Part No.	Material	Dimensions
08010	SS304 (1.4301)	DN65/PN6 to 2 1/2"
08030	SS304 (1.4301)	DN65/PN6 to DN80/PN6
08020	SS304 (1.4301)	DN65/PN6 to 3"
Other adapters and materials on request		
01401	Thermal spacer	

Spare Parts	
Part No.	Description
93050	Heater element for model NG 3000-SP1L
93052	Heater element for models NG 3000-SP1LC and NG 3000-SP1LA
90070	T-handle assembly kit
90071	Extractor kit complete
K3522001	Non return valve

Gasket For Flange	
Part No.	Description
00955	Flange gasket DN65
K3501004	Flange gasket ANSI 2"

Accessories For Heated Sample Hose	
Part No.	Description
00970	PG 42 fitting
00980	Compression fitting

Flow Diagram



Distributor By



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