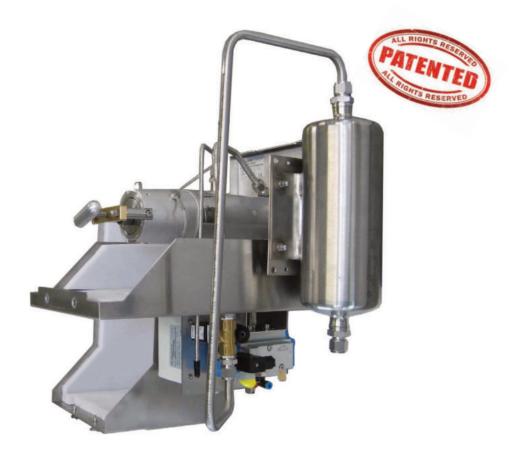


JES-360 Gas Sampling Probe for Pre-Filter Back Flush



APPLICATION

- Representative continuous gas sampling in processes containing high dust and humidity
- · Extractive gas analysis
- · Emission (CEMS) and process monitoring
- · Removal of dust from the sample gas

BENEFITS

- · Cost-optimized solutions
- No condensation or chemical reactions of sample gas
- · Convenient filter replacement
- Low maintenance
- Safe unattended operation
- · Easy start-up
- Even for high dust concentrations
- · Reliable protection of the analyzer system
- · Long filter lifetime

FEATURES

- Modular design for custom-tailored applications
- Highly efficient filter cleaning
- Homogeneous heating without cold spots
- · Large active filter surface
- · Filtration from outside to inside
- Filter element change without tools
- Different material of filter elements
- Electronic temperature controller including over temperature protection
- · Temperature status contact
- Weather protection housing
- · Various options and upgrades
- · Wide range of accessories
- Integrated back flush / back purge controller (option)

Gas Sampling Probes

Heated Sample Lines

> Sample Gas Coolers

Condensate Treatment

Accessories

Gas Conditioning Systems

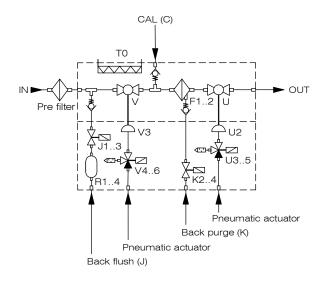
Sample Gas Converters

TECHNICAL DATA

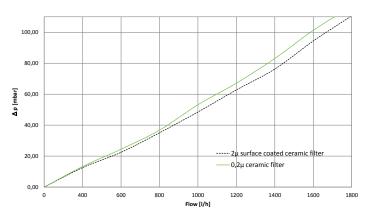
Model	JES -360									
Description	stationary gas sampling probe for pre-filter back flush									
Operation										
Temperature	180 °C (ex works), adjustable 5 °C to 200 °C									
Status limiter set values	-30 K /+20 K fixed to set point									
Operating pressure	max. 2 bara (max. 7 bara optional)									
Mounting position	5° to 15° incline (recommended), torsion angle max. 45°									
Heating-up time	< 1 h									
Ambient temperature	for start-up −20 °C to 60 °C for continuous operation −30 °C to 60 °C									
Construction										
Dimensions over all (W x H x D)	375 x 418 x 449 mm									
Dimensions connection box (W x H x D)	120 x 160 x 90 mm									
Filter element	2 µm ceramic or 0,2 µm ceramic surface coated									
Active filter surface	170 cm ²									
Mounting flange	DN 65, PN6; form A according to EN 1092-1; SS316L or 2" ANSI 150 lbs; according to ASME B16.5									
Sample gas inlet	G 3/4" female thread									
Sample gas outlet	1/8" NPT female thread									
Calibration gas connection (feature C)	pipe 6 mm, SS316									
Back purge connection (feature K)	pipe 6 mm, SS316									
Connection pre-filter back flush (feature J)	NPT 3/8" female thread									
Gas wetted materials	SS316L, ceramic, Viton®									
Protection class	connection box IP65, probe IP43									
Weight	approx. 15 kg, depending on options									
Weather protection housing	SS304, thermal insulated, colour stainless steel natural									
Approvals / Signs	CE									
	Electrics									
Power supply	230 VAC 50 Hz or 115 VAC 60 Hz									
Power consumption	approx. 805 VA									
Temperature controller / Sensor	electronic / PT100 (IEC-751)									
Electrical connection	spring type terminals, clamping range 0,08 to 2,5 mm ²									
Switching capacity status contact (volt free)	230 VAC / 2 A, min. 5 VDC / 5 mA									

Scope of delivery: sampling probe, mounting material, flange gasket, gasket for sampling pipe, operating manual

This flow chart inlcudes all possible variants

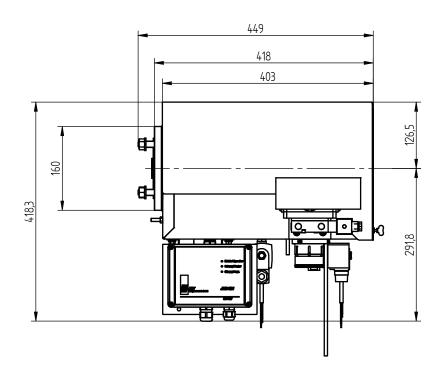


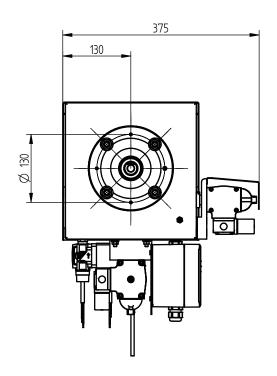
Pressure characteristics in dependence of the gas flow (for new filter element and 20 °C)



DIMENSIONS

Dimensions in mm





ORDER CODE

Basic model	pre-filter back flush with non-return valve (not for option V0)								
includes	weather protection housing								
	temperature controller 180 °C (adjustable)								
Available Features									
Flange	DN65/PN6 FF	Z1							
	2" ANSI RF	Z2							
Filter	2 µm ceramic		F1						
	0,2 µm ceramic surface coated	31	F2						
Power supply	230 VAC 50/60 Hz with temperature controller			X1					
	115 VAC 50/60 Hz with temperature controller			X2					
	230 VAC 50/60 Hz with junction box			X3					
	115 VAC 50/60 Hz with junction box			X4					
Process shut-off ball valve	without shut-off ball valve and without pre-filter back flush				V0				
	without shut-off ball valve				V1				
	with manual operation				V2				
	with pneumatic actuator				V3				
	with pneumatic actuator and pilot valve 24 VDC				V4				
	with pneumatic actuator and pilot valve 115 VAC				V5				
	with pneumatic actuator and pilot valve 230 VAC				V6				
	with electric actuator 230 VAC				V7				
ack purge valve / Port sample probe filter	without				Ť	KO			
	back purge port with non-return valve		-			K1			
	back purge port with non-return valve 24 VDC	1		-		K2			
	back purge port with non-return valve 115 VAC 50/60 Hz		-			K3			
	back purge port with non-return valve 113 VAC 50/60 Hz			-	-	K4			
						N4	10		
e-filter back flush valve	without					-	JO		
	24 VDC		-				J1		
	115 VAC 50/60 Hz		-	-			J2		
	230 VAC 50/60 Hz						J3		
Isolation ball valve probe outlet	without			-		_		UO	
	with manual operation							U1	
	with pneumatic actuator		-					U2	
	with pneumatic actuator and pilot valve 24 VDC							U3	
	with pneumatic actuator and pilot valve 115 VAC							U4	
	with pneumatic actuator and pilot valve 230 VAC							U5	
	with electric actuator 230 VAC							U6	
Air accumulator	without							RO	
	air accumulator 2 l							R1	
	air accumulator 5 l							R2	
	air accumulator heated 2 l							R3	
	air accumulator heated 5 l							R4	
Mounting hole for mounting clamp Connection ports	for heated sample line 35-50 mm								M1
	for heated sample line 58-61 mm								M2
	inch								A1
	metric								A2
		1							
dditional Options									
Additional Options Dthers	calibration port with non-return valve								
	calibration port with non-return valve with back flush / back purge controller								

Scope of delivery: sampling probe, mounting material, flange gasket, gasket for sampling pipe, operating manual

JCT Analysentechnik GmbH offers a wide range of accessories. Please refer to seperate data sheets for further information.



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