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DRM Technic

Suppliers of Gas Analysis Equipment



SCS 19" GAS CONDITIONING SYSTEM

The SCS 19" Sample Gas Conditioning System is a pre-engineered, pre-packaged sampling system. It features a sample pump, sample cooler, calibration gas valves, flow meters, condensate drains and particulate filtration, all within a single 19" rack-mount enclosure.

FEATURES

**Includes all necessary gas conditioning components | Cost Effective Modular Design | Easy Install
Low Maintenance | 1 or 2 Gas Paths | 2 Standard Flow Rates | Up to 5 Calibration Gases | Self-surveillance**

SPECIFICATIONS

Product No. / No. of Gas Streams	PKE 19 / 1 stream	EGK 19 / 1 stream	EGK 19 / 2 streams
Gas Paths			
Number of Gas Outs / Calibration Gases	Depends on application		
Gas Covered Materials (Standard)	Viton, PTFE, Stainless Steel, Novopren, PVDF, PP		
Maximum Pressure	Depends on application and built-in parts		
Gas Terminals (Standard)	Hose fittings DN 4/6		
Standard Flow Rate Free	300 l/h	550 l/h	2x 300 l/h
Dead Volume (Approx.)	85 cm ³	100 cm ³	70 cm ³ each
Electrical Data			
Electrical Control Contacts	Driven by dry contacts or common ground		
Electrical Status and Mode Outputs (Max.)	230v AC / 150 V DC; 0.5 A; 50 VA, dry contacts		
Power Supply	115v / 60 Hz or 230v / 50 Hz		
Power Consumption (dep. on application)	200 ... 350 VA	450 ... 550 VA	500 ... 600 VA
Gas Cooler Data			
Cooling Power at 25 °C (40 °C)	70 (30) kJ/h	360 (100) kJ/h	360 (100) kJ/h
Max. Flow Rate (Steel / Glass)	300 l/h	400 l/h	2 x 200/125 l/h
Max. Gas Inlet Temperature	180 °C / 355 °F	180 °C / 355 °F	180 °C / 355 °F
Max. Inlet Dew Point (1 bar abs.)	65 °C / 150 °F	80 °C / 175 °F	80 °C / 175 °F
Ambient Temperature	50 °C / 120 °F	50 °C / 120 °F	50 °C / 120 °F
Outlet Dew Point	Standard: 5 °C (41 °F); factory pre-adjustable 3 ... 15 °C (37 ... 60 °F)		
Dew Point Stability Static	0.2 K	0.2 K	0.2 K
General Data			
Weight	15 ... 20 kg	15 ... 20 kg	25 ... 30 kg
Start-Up Time (Max.)	15 min	15 min	15 min

CONTACT US: DRM Technic, 4 Cherry Orchard, Newcastle-under-Lyme, Staffordshire, UK, ST5 2UB

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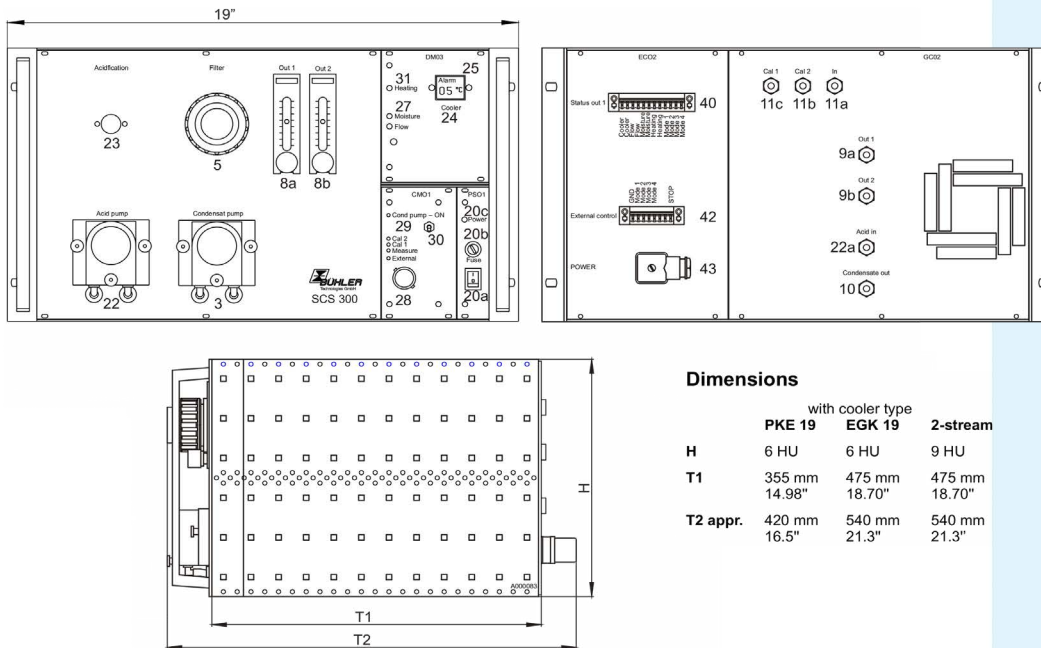
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TECHNICAL DRAWINGS



Explanations

- 3 Condensate pump
- 5 Filter
- 8a,b Flow meters for output
- 9a,b Gas out terminals
- 10 Condensate out terminal
- 11a Sample gas inlet
- 11b,c Calibration gas inlets
- 20a Main power switch
- 20b,c Main fuse and LED
- 22,23 Acid pump and valve
- 22a Acid inlet terminal
- 24,25 Cooler display and alarm LED
- 27 Moisture alarm LED
- 28 Rotary switch for mode selection
- 29 LEDs showing system mode
- 30 Switch for condensate pump
- 31 LED valve block temperature
- 40 Status output terminals
- 42 External control inputs
- 43 Power terminal

ACCESSORIES AND OPTIONS

Part No.	Description
Spare Parts Recommended for Maintenance	
41 15 00 10	FE-E1 Filter Elements (according to built in filter; 5 pk)
41 15 10 4	FE-4 Filter Elements (according to built in filter)
9124 030027	Hose for Condensate Pump or Acid Pump

For more information, please contact our sales department (contact details below)

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