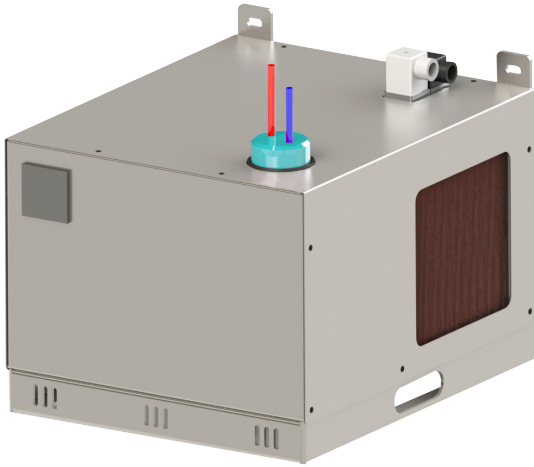


Sample Gas Cooler

SGC1 & SGC2



SGC1 (Wall / Base Mount)



SGC2



FEATURES

- » High-quality robust design
- » Easy Installation
- » Suitable for Ambient up to 50°C
- » Operating Pressure 1.5 bar
- » Cooling Capacity 320 KJ
- » Flow Rate 550 LPH
- » 19" Rackmount available

ADVANTAGES

- » Ease of Maintenance
- » Optional Alarm Contacts
- » Single & Dual Coil Heat Exchanger
- » High Dew Point Stability
- » Housing options available
- » Mounting options available in same housing

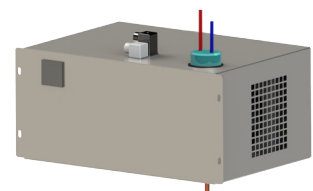
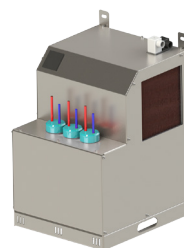
DESCRIPTION

The Reliable & Long term operation of an Analyzer depends upon the efficiency of the Sample conditioning system for which a stable dew point of the sample is essential.

Axis Sample Gas Cooler is a compressor cooler equipped with efficient heat exchangers to provide stable dew point to the sample thereby ensuring security with precise performance of the Analyzer.

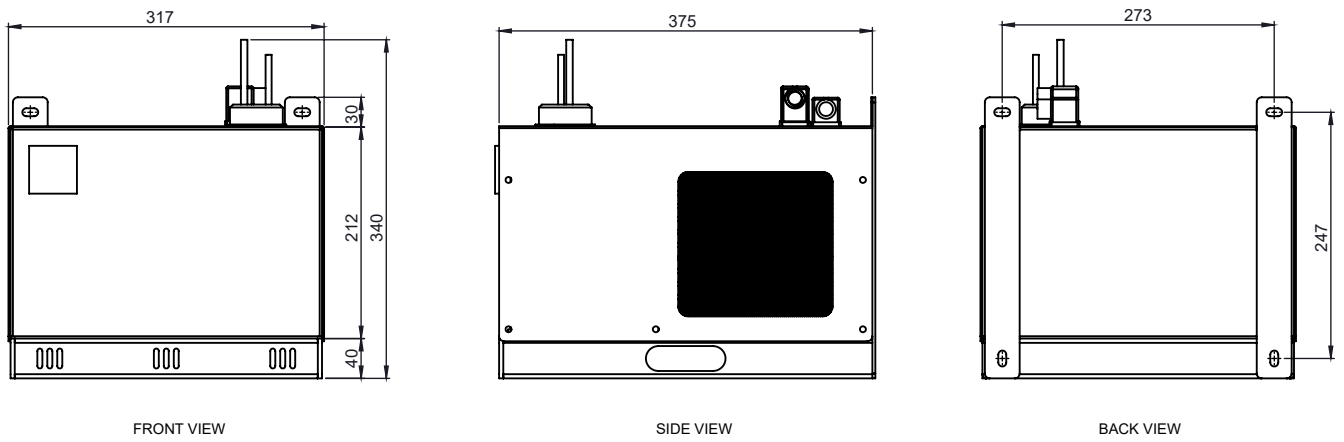
Cooling performance is ensured by having very tight control of temperature directly (not mechanical control for temp.)

The heat exchanger is either Single Coil or Dual Coil so that two different streams can be catered. A very compact housing design ensures the best placement of other components while saving costs. Insulation at top of the heat exchanger effectively isolates the ambient effect.



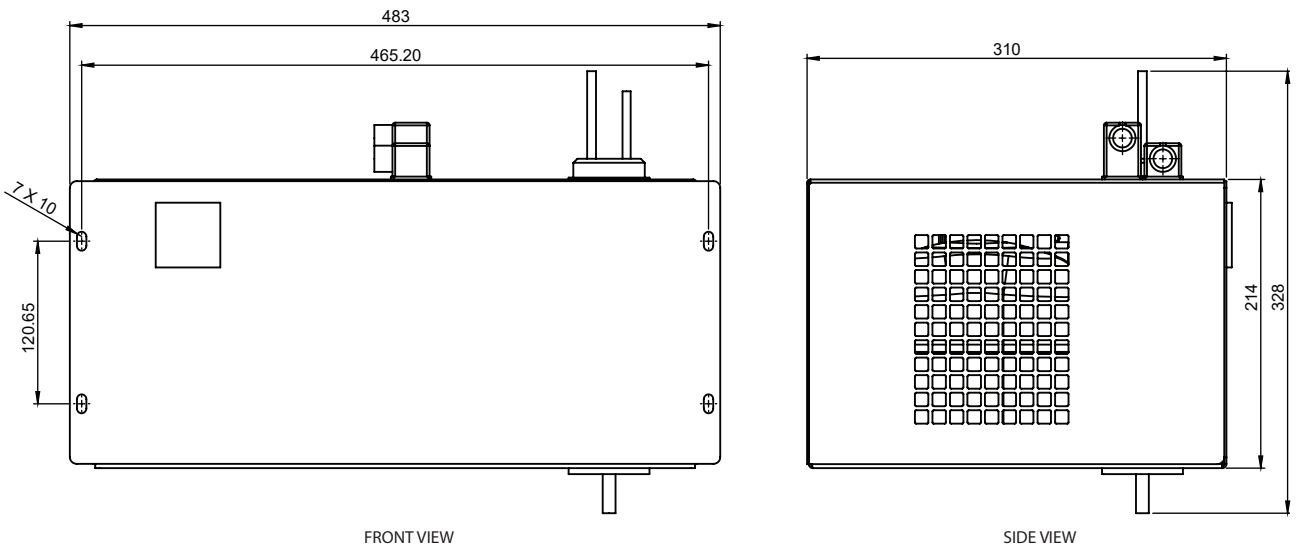
SGC1 (19" Rack Mount)

SGC1 WALL / BASE MOUNT (230/115 VAC, 50Hz) DIMENSION DETAILS



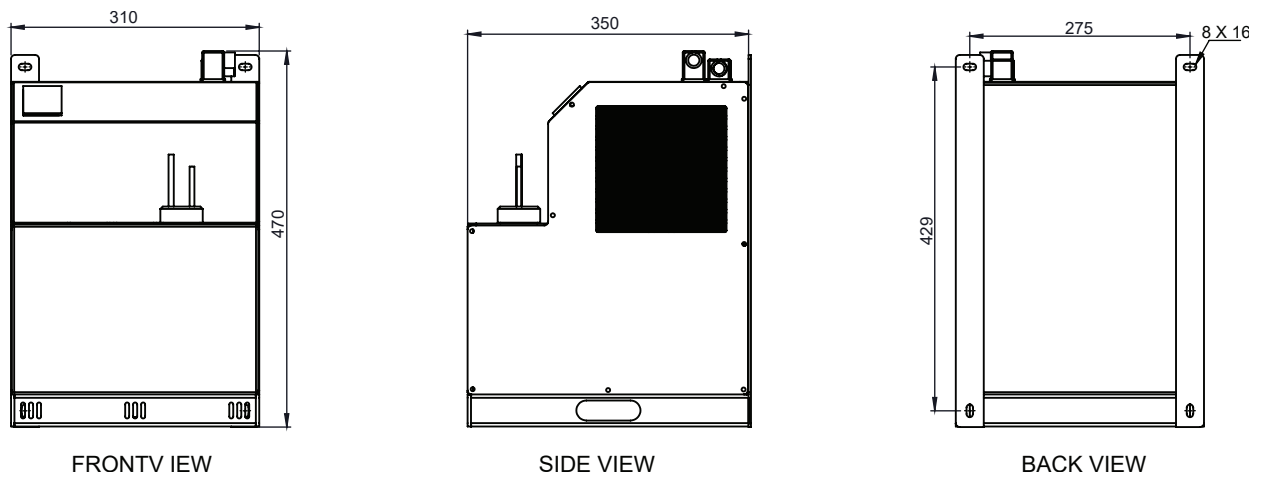
All Dimension are in MM

SGC1 19" RACK MOUNT DIMENSION DETAILS



All Dimension are in MM

SGC1 WALL / BASE MOUNT (230/115 VAC, 60Hz) DIMENSION DETAILS



All Dimension are in MM

TECHNICAL SPECIFICATION

General	Type	Refrigeration	
	Mounting	Wall / Base Mounting / 19" Rackmount	
	Sample	Gas	
	Weight	Approx. 19Kg	
Material	Housing	MS CRCA, SS 304 & SS 316 (on request)	
	Cooling Coil	Copper	
	Heat Exchange	SS 316 / Glass	
	Finish	Powder-coated RAL 7035 for MS / Buff finish for SS 304	
Connections	Sample Gas Inlet	1/4" Tube	
	Sample Gas Outlet	1/4" Tube	
	Condensate Outlet	3/8" Tube	
Electrical	Power Supply	230 or 115 VAC, 50 Hz or 60 Hz	
	Alarm Contact (Optional)	Max. 250 V, 1A (Resistive Load)	
	Power Consumption	Approx. 460VA	
Functionality	Sample Gas Flow	550 LPH (Max.)	
	Sample Outlet Temp.	Approx. 5°C (+/- 1°C)	
	Operating Pressure	1.5 bar for heat exchanger	
	Cooling Capacity	320 kJ	
	Warm Up Time	10-12min. (Max.)	
	Ambient Temperature	+5°C to +50°C	
Heat Exchanger		SC	DC
	Flow Rate (Max.)	550LPH	2 x 225 LPH
	Max. Cooling Capacity	475 kJ/h	475 kJ/h
	Dead Volume	67 ml	30 ml x 2
	Pressure drop	< 0.1 bar	< 0.1 bar

SPARES

Description	Part No.	Quantity
SC – Single Coil HE SS	ASPL3101	1 No.
DC – Dual Coil SS HE SS	ASPL3403	1 No.

ORDERING INFORMATION

SGC1					0	0			
Power Supply									
0								115 VAC, 50 Hz	
1								230 VAC, 50 Hz	
2								115 VAC, 60 Hz	
3								230 VAC, 60 Hz	
Housing Material									
0								MS CRCA Powder Coated	
1								SS 304	
2								SS 316	
Heat Exchanger									
0								Without	
1								SC, Single Coil, SS	
2								DC, Dual Coil, SS	
3								TG, Single Coil	
4								DTG, Dual Coil	
Alarm Option									
0								Without	
1								With	
Type of Model									
0								Standard Cooler	
1								CE Certified Cooler	
Type of Mounting									
0								Wall / Base Mount	
1								19" Rack Mount*	

Note : (*) This option is not available with 230 VAC, 60Hz



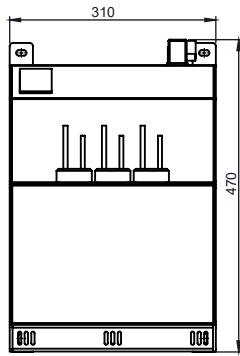
Single Coil



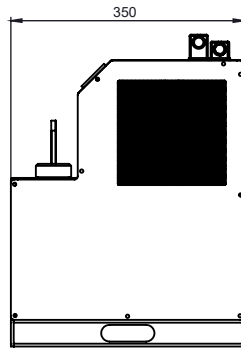
Dual Coil

Sample Gas Cooler SGC2

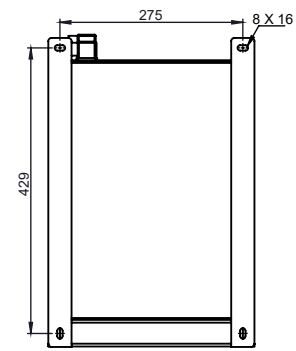
DIMENSION DETAILS



FRONT VIEW



SIDE VIEW



BACK VIEW

All Dimension are in MM

TECHNICAL SPECIFICATION

General	Type	Refrigeration	
	Mounting	Wall / Base Mounting	
	Sample	Gas	
	Weight	Approx. 19Kg	
Material	Housing	MSCRCA, SS 304 & SS 316 (on request)	
	Cooling Coil	Copper	
	Heat Exchange	SS 316 / Glass	
	Finish	Powder coated RAL 7035 for MS / Buff finish for SS 304	
Connections	Sample Gas Inlet	1/4" Tube	
	Sample Gas Outlet	1/4" Tube	
	Condensate Outlet	3/8" Tube	
Electrical	Power Supply	230 or 115 VAC, 50 Hz	
	Alarm Contact (Optional)	Max. 250 V, 1A (Resistive Load)	
	Power Consumption	Approx. 460VA	
Functionality	Sample Gas Flow	550 LPH	
	Sample Outlet Temp.	Approx. 5°C (+/- 1°C)	
	Operating Pressure	1.5 bar for heat exchanger	
	Cooling Capacity	320 kJ	
	Warm Up Time	10-12min. (Max.)	
	Ambient Temperature	+5°C to +50°C	
Heat Exchanger		SC	DC
	Flow Rate (Max.)	550LPH	2 x 225 LPH
	Dead Volume	67ml	30 ml x 2
	Pressure drop.	< 0.1 bar	< 0.1 bar

SPARES

Description	Part No.	Quantity
SC – Single Coil HE SS	ASPL3101	1 No.
DC – Dual Coil HE SS	ASPL3403	1 No.

ORDERING INFORMATION

SGC2								
	Power Supply							
0								115 VAC, 50 Hz
1								230 VAC, 50 Hz
	Housing Material							
0								MSCRCA Painted RAL7035
1								SS304
2								SS316
	Cooler with No. of Heat Exchanger							
0								Without Heat Exchanger
1								Cooler with Three Heat Exchanger
2								Cooler with Four Heat Exchanger
	Gas Paths*							
0								Without Heat Exchanger
1								1 Gas Path
2								2 Gas Path
3								3 Gas Path
4								4 Gas Path
	Heat Exchanger							
0								Without Heat Exchanger
1								Single Stainless Steel Heat Exchanger
2								Single Glass Heat Exchanger
	Alarm Option							
0								Without
1								With
	Type of Model							
0								Standard Model
1								CE Certified
	Type of Mounting							
0								Base Mount
1								Wall Mount

Note : (*) up to 8 gas paths upon request