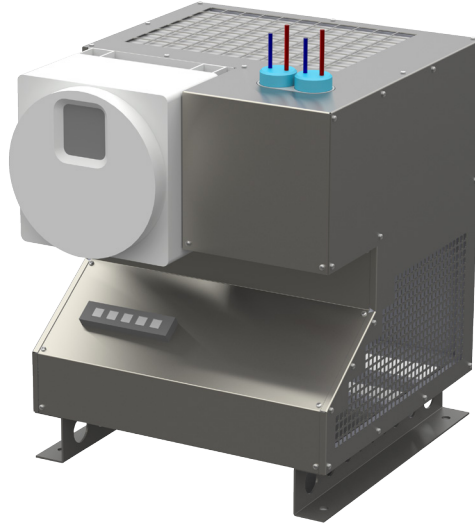


Ex Proof Sample Gas Cooler

COOLEREX



COOLEREX

FEATURES

- » Used in Analyzer Gas Conditioning
- » High-quality robust design
- » Suitable up to 50°C Ambient Temperature
- » Cooling Capacity up to 320 KJ
- » Optimum operational reliability
- » Sample flow rate 550 LPH Max
- » Used in Zone 1 & 2, IIC hazardous area

ADVANTAGES

- » Economical
- » Ease of Maintenance & Operation
- » Indoor application
- » Optional Alarm contact
- » Single and dual-path heat exchanger options
- » High Dewpoint Stability

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.

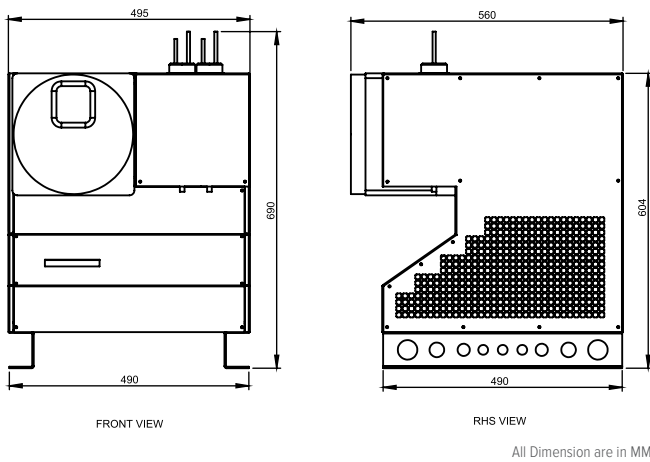
Axis COOLEREX Sample Gas Coolers are compressor cooled, equipped with efficient heat exchangers to provide a stable dew point of the sample at the outlet, thereby ensuring security with precise performance of the Analyzer.

Cooling performance is ensured by having very tight control within the tolerance range of the dew point indirectly with mechanical control.

The heat exchangers are 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 with a saving on the cost Insulation at top of the heat exchanger effectively isolates ambient effect.

In COOLEREX power supply can be either 115 VAC or 230 VAC. For electrical connection provides separate Flameproof Junction box suitable in Zone 1 & 2, IIC hazardous area.

DIMENSION DETAILS



TECHNICAL SPECIFICATION

General	Type	Refrigeration	
	Mounting	Wall / Base Mounting	
	Dimensions	690 X 491 X 490(HxWxD)mm	
	No. of Sample Stream	One / Two	
	Sample	Gas	
	Weight	40Kg Approx.	
	Housing	MSCRCA / SS 304 (on request)	
Material	Cooling Coil	Copper	
	Heat Exchanger	SS 316 (Other on Request)	
	Housing	Powder coated RAL 7035 MS/Buf 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	Max. 250 V, 1A (Resistive Load) (Optional)	
	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	20-30min. (Max.)	
	Ambient Temperature	+5°C to +50°C	
Heat Exchanger		SC	DC
	Flow Rate	550LPH	2 x 225 LPH
	Max. Cooling Capacity	475 kJ/h	475 kJ/h
	Pressure drop.	< 0.1 bar	< 0.1 bar
	Dead Volume	67 ml	30 ml x 2

ORDERING INFORMATION

COOLREX					0	0
					Power Supply	
0					115V AC, 50 Hz	
1					230V AC, 50 Hz	
					Housing Material	
0					MS CRCA Powder Coated	
1					SS 304	
2					SS 316	
					Gas Path (Heat Exchanger)	
0					Without Heat Exchanger	
1					Single Gas Path (One Single Coil HE), SS	
2					Dual Gas Path (Two Single Coil HE), SS	
3					Dual Gas Path (One Dual Coil HE), SS	
4					Three Gas Path (One Single Coil HE + One Dual Coil HE), SS	
5					Four Gas Path (Two Dual Coil HE), SS	
					Alarm Option	
0					Without	
1					With	

Note : For Zone/Certification information ATEX/CCOE contact ASPL

SPARES

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