

Vortex A/C Enclosure Coolers, Hazardous Location

Sealed Enclosure Cooling Vortex Coolers



INDUSTRY STANDARDS

Hazardous Location Models
UL Classified for Class 1, Div. 2, Groups A through D; Class II, Div. 2, Groups F & G; and Class III locations (when used with an approved purge/pressurization system); File No. E364567. Maintains UL/cUL Type 4, 4X when properly installed on a UL/cUL Type 4, 4X enclosure.

APPLICATION

Hazardous Location Vortex A/C Enclosure Coolers keep enclosures cool, clean and protect even in hazardous environments. These systems are ideal for applications where compressed air is available in hazardous locations. With almost no moving parts, these systems are highly reliable and virtually maintenance free.

FEATURES

- Approved for a 175°F (80°C) maximum ambient temperature in Class I, Div. 2; Class II, Div. 2; and Class III areas
- Built-in mechanical thermostat reduces energy consumption
- Top, side, and front mount allows for versatile installation in confined areas
- Quieter operation with noise level of 60–75 dB
- Supplied with five-micron, automatic drain compressed air filter, cold ducting kit, cold air muffler, and check valve
- Cooling capacities up to 5000 BTU/Hr. (1465 W)

SPECIFICATIONS

Kit includes the following items:

- Vortex Cooling Enclosure
- Enclosure pipe connections
- Air Filter
- Check Valve
- Muffler with clamps
- Ducting, 10 Feet (3 Meters). More can be purchased as an accessory.

FINISH

- Polycarbonate with aluminum and brass internal components

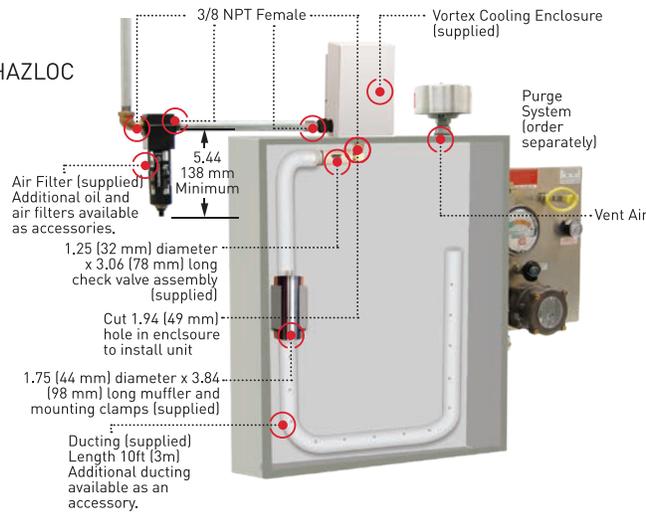
ACCESSORIES

Vortex Cooling Air Filters
Vortex Cooling Oil Filters
Vortex Cooling Generator Kits
Vortex Cooling VHL Series Air Ducting

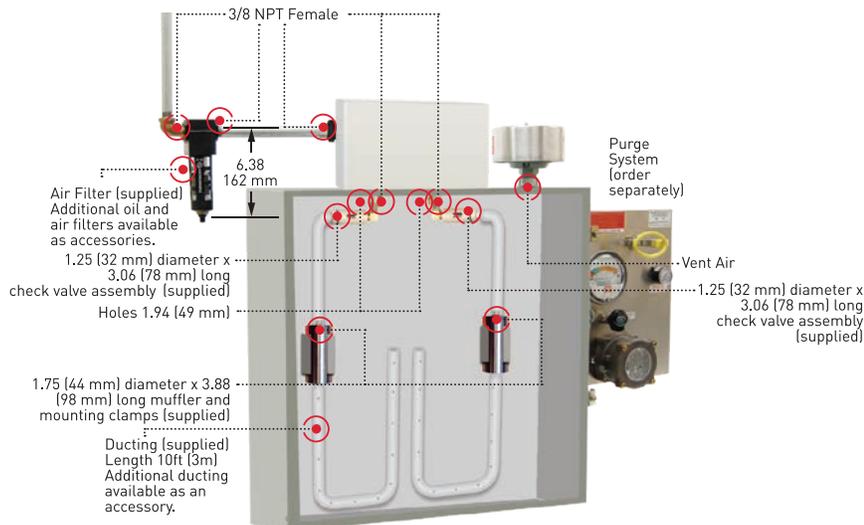
PERFORMANCE DATA VHL SERIES FOR HAZARDOUS LOCATIONS

Catalog Numbers	VHL09160	VHL15160	VHL25160	VHL50160
Cooling Performance				
Cooling Capacity (BTU/Hr.)	900	1500	2500	5000
Cooling Capacity (Watts)	264	440	733	1465
Compressed Air Consumption (SCFM)	15	25	35	70
Compressed Air Consumption (SLPM)	425	708	991	1982
Sound Level				
Noise Level (dB)	60	66	72	75
Enclosure Protection				
UL Classified	Class 1, Div. 2, Groups A-D; Class II, Div. 2, Groups F & G, Class III			
Unit Dimensions				
Height (in/mm)	8.00/203	8.00/203	8.00/203	6.44/164
Width (in/mm)	4.75/121	4.75/121	4.75/121	9.44/240
Depth (in/mm)	5.38/137	5.38/137	5.38/137	5.56/141
Weight (lb/kg)	6.70/3.04	6.7/3.04	6.8/3.08	11.4/5.17

VHL09, VHL15, VHL25 HAZLOC



VHL50 HAZLOC



VORTEX COOLING AIR FILTERS



- 5-micron compressed air filter with automatic condensate drain
- Polycarbonate bowl with metal bowl guard
- 125°F (52°C) maximum temperature
- 150 psig maximum pressure

Catalog Number	Use With Model Capacity	SCFM	Ports
VAAF15	Up to 1500 BTU/Hr.	25	3/8 NPT
VAAF25	Up to 2500 BTU/Hr.	50	3/8 NPT
VAAF50	Up to 5000 BTU/Hr.	150	3/4 NPT

VORTEX COOLING OIL FILTERS



- .01 micron oil removal filter with automatic condensate drain
- Polycarbonate bowl with metal bowl guard
- 125°F (52°C) maximum temperature
- 150 psig maximum pressure

Catalog Number	Use With Model Capacity	SCFM	Ports
VCOF17	Up to 1500 BTU/Hr.	25	3/8 NPT
VCOF25	Up to 5000 BTU/Hr.	70	1/2 NPT

VORTEX COOLING GENERATOR KITS



- Vortex accessory generator kits
- Nylon generator and bushing

Catalog Number	Use With Model Capacity	SCFM	Quantity
VAGK09	900 BTU/Hr.	11	5
VAGK15	1500 BTU/Hr.	15	5
VAGK25	2500 and 5000 BTU/Hr.	25	5

VORTEX COOLING VHL SERIES AIR DUCTING



- Vortex VHL series accessory cold air ducting kit evenly distributes compressed air

Catalog Number	Use With Model Capacity
VHLDK	All Hazardous Location models



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