

Vortex Cooling Systems and Accessories

Vortex Cooling System



Industry Standards

NEMA Type 4 Models:

Maintains UL/cUL Type 4 when properly installed on a UL/cUL Type 4 enclosure.

UL508 Listed; Type 4; File No. E187045

NEMA Type 4X Models:

Maintains UL/cUL Type 4X when properly installed on a UL/cUL Type 4X enclosure.

UL508 Listed; Type 4X; File No. E187045

NEMA Type 12 Models:

Maintains UL/cUL Type 12 when properly installed on a UL/cUL Type 12 enclosure.

UL508 Listed; Type 12; File No. E187045

Application

Powered by compressed air, Vortex Cooling Systems generate chilled air to cool small enclosures without refrigerants or moving parts. These systems are exceptionally reliable and low maintenance, even in the harshest and dirtiest environments.

Features

- Five-micron airline filter, 115 V solenoid
- Thermostat
- Ducting kit
- Cooling capacities to 2500 Btu/Hr. (733 W)

Finish

Brushed satin aluminum or stainless steel

Notes

Manufactured for Hoffman by ITW Vortec.

Accessories

(for the enclosure)

Can be installed on all enclosure product families. Separate VCool accessories include an in-line oil filter.

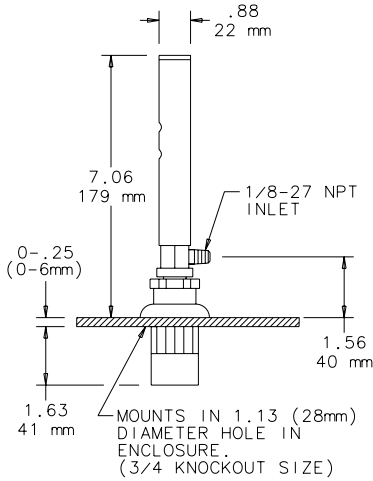
Bulletin: MCL, MCLY

Standard Product VC Series NEMA Type 12

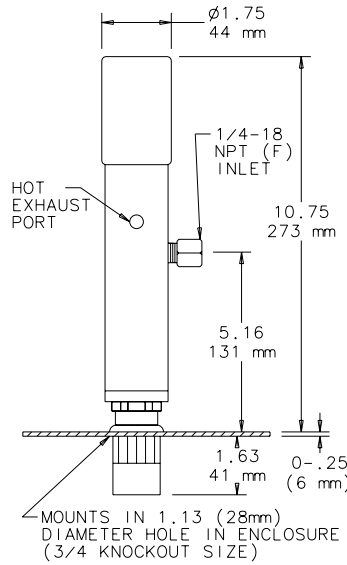
Catalog Number	Cooling Capacity (BTU/Hr.)	Cooling Capacity (W)	Compressed Air Consumption (SCFM)	Compressed Air Consumption (l ³ /m)	Noise Level (dB)	Voltage	Frequency (Hz)	Material	Weight (lb.)	Weight (kg)
VC0416012	400	117	8	227	69	115	50/60	Aluminum	5	2.27
VC0916012	900	264	15	425	80	115	50/60	Aluminum	6	2.72
VC1516012	1500	440	25	708	83	115	50/60	Aluminum	6	2.72
VC2516012	2500	733	35	991	90	115	50/60	Aluminum	6	2.72

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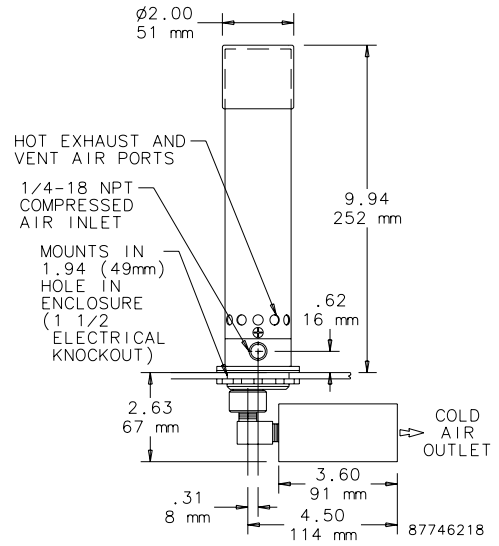
NEMA Type 12 - 400 BTU/Hr.



NEMA Type 12 - 900, 1500, 2500 BTU/Hr.

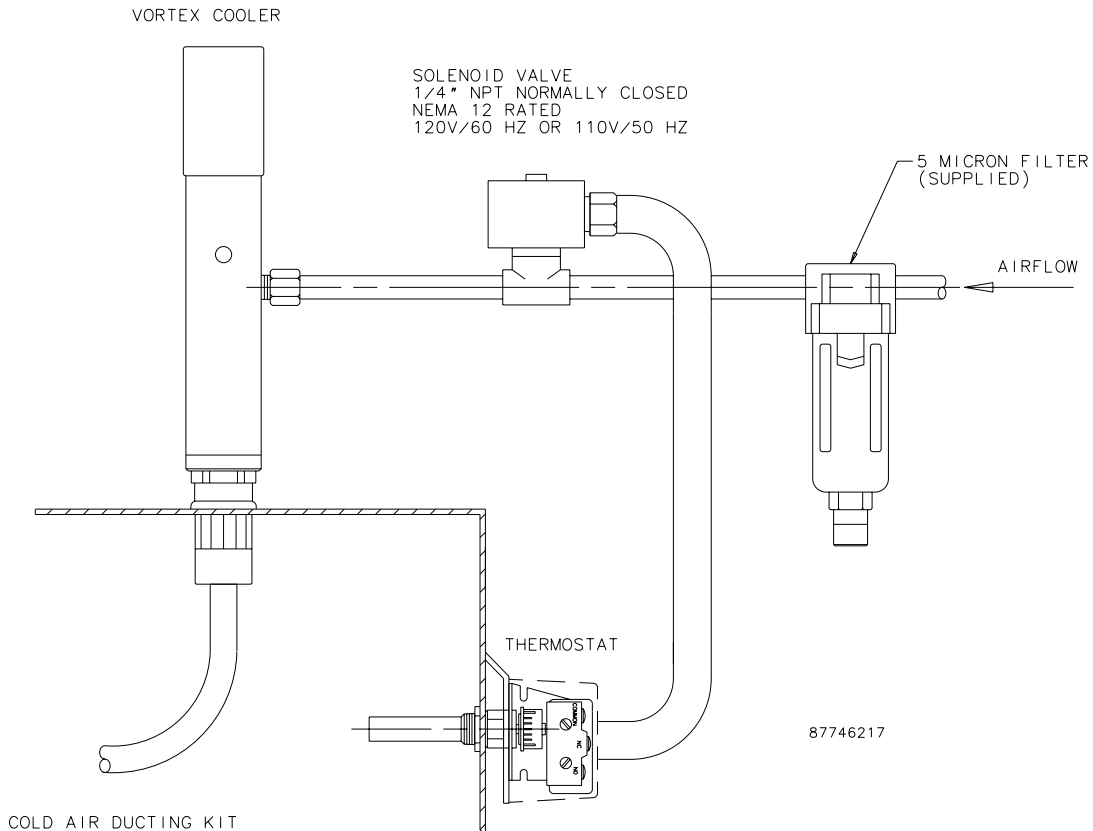


NEMA Type 4X 900, 1700, 2500 BTU/Hr.

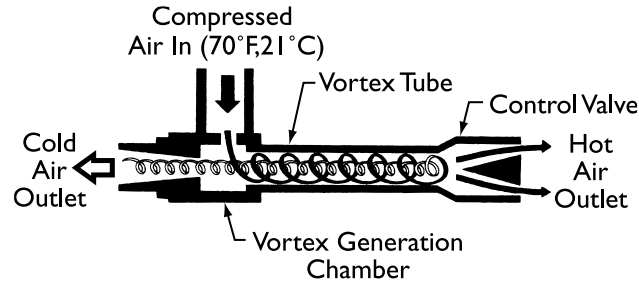


ENCLOSURE COOLER MUST REMAIN IN A VERTICAL ORIENTATION TO MAINTAIN NEMA 4/4X RATINGS.

Typical Installation



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Vortex Tube Air Flow Schematic

Standard Product **VC Series NEMA Type 4, 4X**

Catalog Number	Cooling Capacity (BTU/Hr.)	Cooling Capacity (W)	Compressed Air Consumption (SCFM)	Compressed Air Consumption (l ³ /m)	Noise Level (dB)	Voltage	Frequency (Hz)	Material	Weight (lb.)	Weight (kg)
VC0916004	900	264	15	425	83	115	50/60	Aluminum	6	2.72
VC1716004	1700	498	25	708	86	115	50/60	Aluminum	6	2.72
VC2516004	2500	733	35	991	90	115	50/60	Aluminum	6	2.72
VC091604X	900	264	15	425	83	115	50/60	Stainless Steel	6	2.72
VC171604X	1700	498	25	708	86	115	50/60	Stainless Steel	6	2.72
VC251604X	2500	733	35	991	90	115	50/60	Stainless Steel	6	2.72

Vortex Cooling System Accessories

Catalog Number	Description	Use with VCool Model Capacity
VC0F17	Oil Filter	Up to 1700 BTU/Hr.
VC0F25	Oil Filter	2500 BTU/Hr.

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Notes