

# Eliminate Control Downtime

## Vortex Cooler™ Enclosure Coolers

Today's small compact, multi-function electronic controls, variable speed drives and servos are extremely sensitive to heat and contamination. Cabinet size contributes to significant premature failure and makes temperature control difficult. Their confined enclosures make temperature control difficult. Excessive heat causes components to "cook", digital displays to misread, starters and breakers to trip below rated loads and controls to drift. Fans often provide inadequate cooling and commonly pull in dirty, humid air creating another source of failure.

ITW Vortec's Vortex Cooler Enclosure Coolers are the low maintenance alternative for keeping enclosures cool and clean — without Freon or other refrigerants.

### Features:

- Eliminate downtime caused by dirty, overheated controls.
- Replace hot, dirty air in the enclosure with cool, clean air.
- May be thermostatically-controlled to operate only when necessary to save energy.
- Powered by compressed air, utilize a vortex tube to generate cold air without Freon or other refrigerants (CFCs/HCFs).
- Exceptionally reliable, no moving parts to break.
- Low maintenance.
- Cooling capacities to 5000 BTUH (1250 kcal/H).
- Maintain NEMA 4, 4X and 12 ratings.

### NEMA Ratings:

12	Indoor	Dust Tight/Drip Tight
4	Outdoor	Weatherproof/Washdown
4X	Outdoor	Weatherproof/Washdown Corrosion Resistant

### VorCool™ Enclosure Cooling System

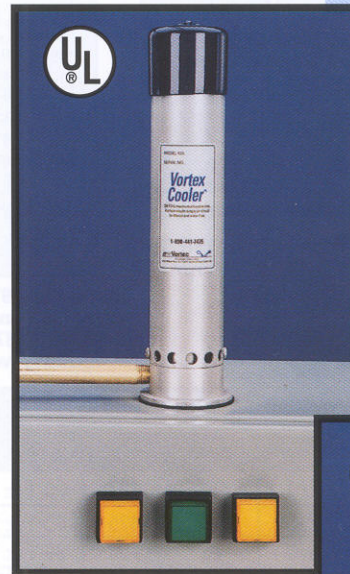
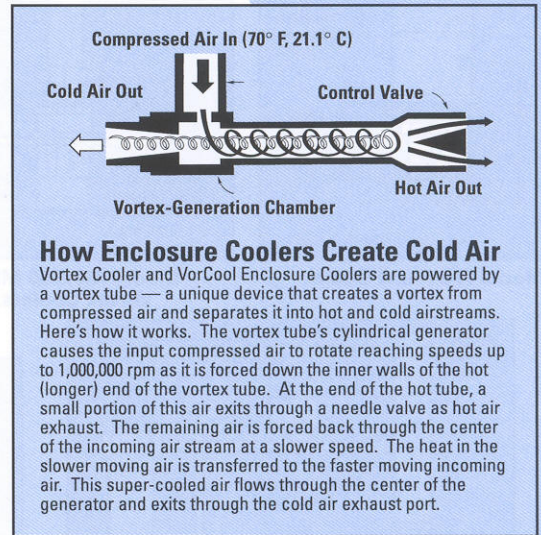
VorCool™ takes enclosure cooling to new heights by adding temperature monitoring and alarm capabilities to the Vortex Cooler. All components are housed in a compact enclosure designed for easy installation.

### Features:

- LED enclosure temperature display.
- Visual alarm and remote alarm relay.
- User-adjustable thermostat control.
- 1500 BTUH (378 kcal/H).

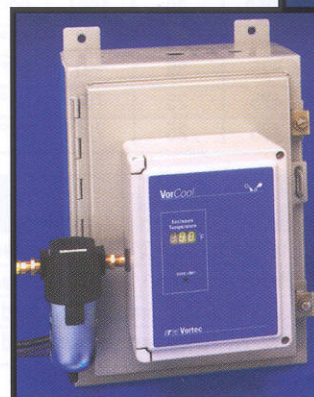
### Models and Specifications:

MODEL NO.	INPUT VOLTAGE	FREQUENCY	TEMPERATURE DISPLAY
796-1	110	60	Fahrenheit
796-6	220/240	50/60	Celsius



▶ The Model 787/797 Vortex Cooler maintains NEMA 4 integrity. The stainless steel Model 787SS/797SS Vortex Cooler maintains NEMA 4X.

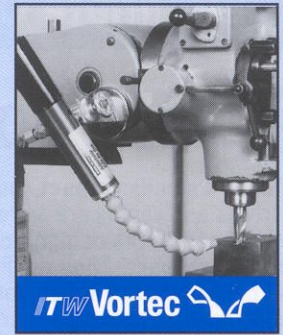
▶ The Model 780/790 Vortex Cooler keeps cabinets cool and clean while maintaining NEMA 12 integrity.



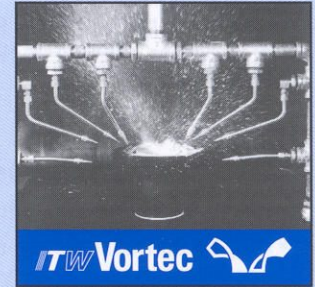
▶ VorCool adds monitoring and alarm capabilities to Vortex Cooling.



Some of our other products:



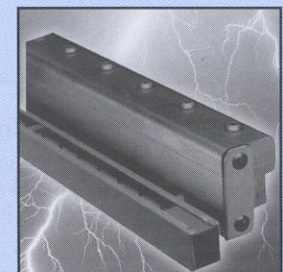
610 Cold Air Gun



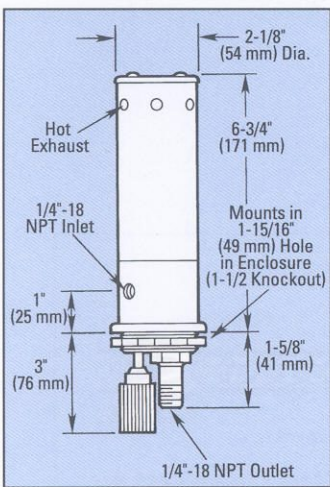
Osha Safe Nozzles



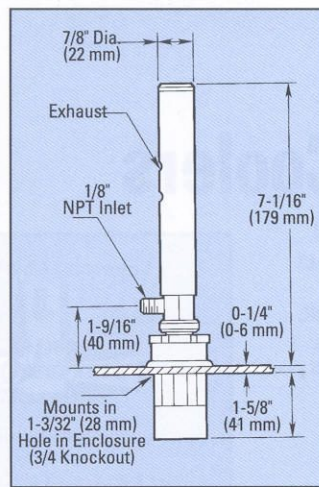
Spill Pick Up



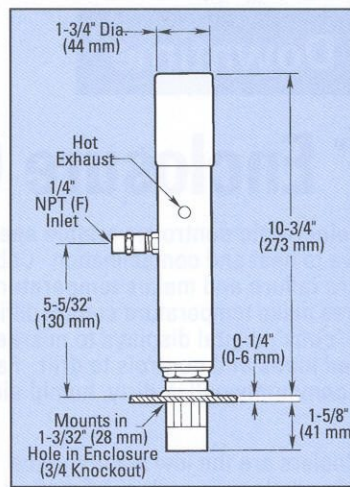
Ionizing Curtain Transvector



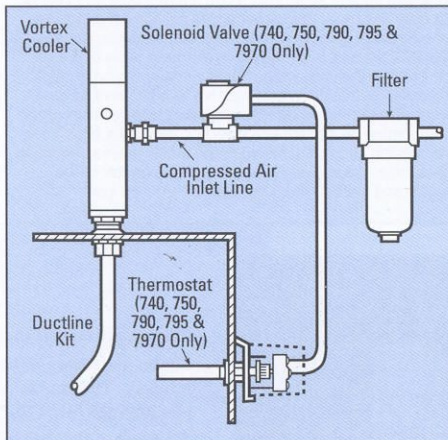
Model 770 Panel Guard.



Model 750/760 Mini Vortex Coolers.

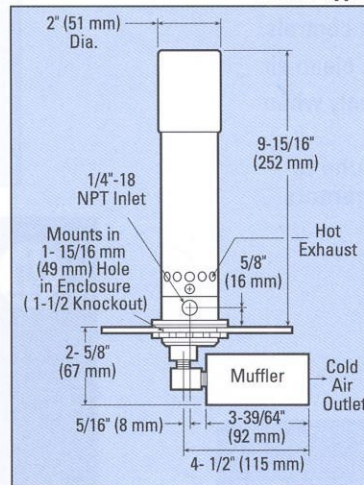


Model 730/740, 780/790, 785/795 Vortex Coolers. Model 7870/7970, includes two Vortex Coolers of this type.



NEMA 12 Vortex Cooler System.

NOTE: Thermostat for Models 750, 740, 790, 795 and 7970 mounts in a 1 1/16" (18mm) diameter hole.



Model 787/797, 787-35H, 797-35H, 787SS-35H, 797SS-35H and 787SS/797SS Vortex Coolers. Model 7875/7975 and 7875SS/7975SS includes two Vortex Coolers of this type.

Models and Specifications:

MODEL NO.		CAPACITY		AIR CONSUMPTION		THERMOSTAT FACTORY SET	NEMA TYPE
with Thermostat	without Thermostat	BTUH	KCAL/H	SCFM	SLPM		
750	760	400	101	8	227	90°F ± 2°/32°C ± 1°	12
740	730	900	225	15	425	90°F ± 2°/32°C ± 1°	12
790	780	1500	378	25	708	90°F ± 2°/32°C ± 1°	12
770 <sup>1</sup>	—	1500	378	25	708	80-122F°/27-50°C	4
795	785	2500	625	35	991	90°F ± 2°/32°C ± 1°	12
7970 <sup>2</sup>	7870	5000	1250	70	1981	90°F ± 2°/32°C ± 1°	12
7975 <sup>2</sup>	7875	5000	1250	70	1981	90°F ± 2°/32°C ± 1°	4
7975SS <sup>2</sup>	7875SS	5000	1250	70	1981	90°F ± 2°/32°C ± 1°	4X
797-35H	787-35H	2500	625	35	991	90°F ± 2°/32°C ± 1°	4
797SS-35H	787SS-35H	2500	625	35	991	90°F ± 2°/32°C ± 1°	4X
797	787	1700	425	25	708	90°F ± 2°/32°C ± 1°	4
797SS	787SS	1700	425	25	708	90°F ± 2°/32°C ± 1°	4X

▶ All models listed include a 5-micron airline filter and ducting kit to distribute cold air throughout the enclosure.

<sup>1</sup> Provides rough thermostat control with a nonadjustable thermostat. Electrical connections are not required.

<sup>2</sup> Includes two Vortex Coolers which use a common air line filter and solenoid/thermostat.

MODEL NO.	DESCRIPTION
701S-48	Auto-Drain Oil Removal Filter, 3/8" NPT(F), rated to 25 SCFM/708 SLPM
701S-54	Auto-Drain Oil Removal Filter, 1/2" NPT(F), rated to 50 SCFM/1415 SLPM
701W-24A	Ambient Dryer, 3/8" NPT(F), point-of-use, rated to 25 SCFM/708 SLPM
701W-36A	Ambient Dryer, 1/2" NPT(F), point-of-use, rated to 50 SCFM/1415 SLPM

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