



Part No. VTX-10008 VORTEX TUBE INLINE AIR COOLER



Features

- Converts compressed air into cold air
- Reliable - No Moving Parts
- Maintenance Free
- Stainless Steel Construction

General Description

The vortex tube inline cooler takes normal compressed air and convert into two air streams. One stream is hot air and the other stream is cold air. The beauty of this device is that it has no moving parts , which translates into almost no maintenance. The cold air can be adjusted down to -50 degrees Fahrenheit, and the hot side can be adjusted up to a temperature of 260 degrees Fahrenheit.

Compressed air is injected into the vortex tube at extremely high speeds and that creates a cyclone, or vortex, spinning a million revolutions per minute. Part of the air is forced to spin inward to the center and travels up a long tube where a valve turns the spinning column of air inside itself. The inside column of air gives up its heat to the outside column. The cold air is directed out the cold end of the Vortex Tube and the hot air is directed out the other end of the Vortex Tube. The air flow and temperature are totally controllable. And since there are no moving parts there is little need for maintenance.

Specifications

Air Inlet	1/4" NPT / BSPP-G
Cold Air Outlet	5/8-11 threaded
Flow Capacity	8 SCFM
Maximum Supply Pressure	100 PSIG (7 bar)
Cooling Capacity	400 Btu/hr
Weight	1.1lb. (0,5kg)
Operating Temperature	-50° to 260°F (-45° to 127°C)

MODULOC Technology - The Total Sensor Solution

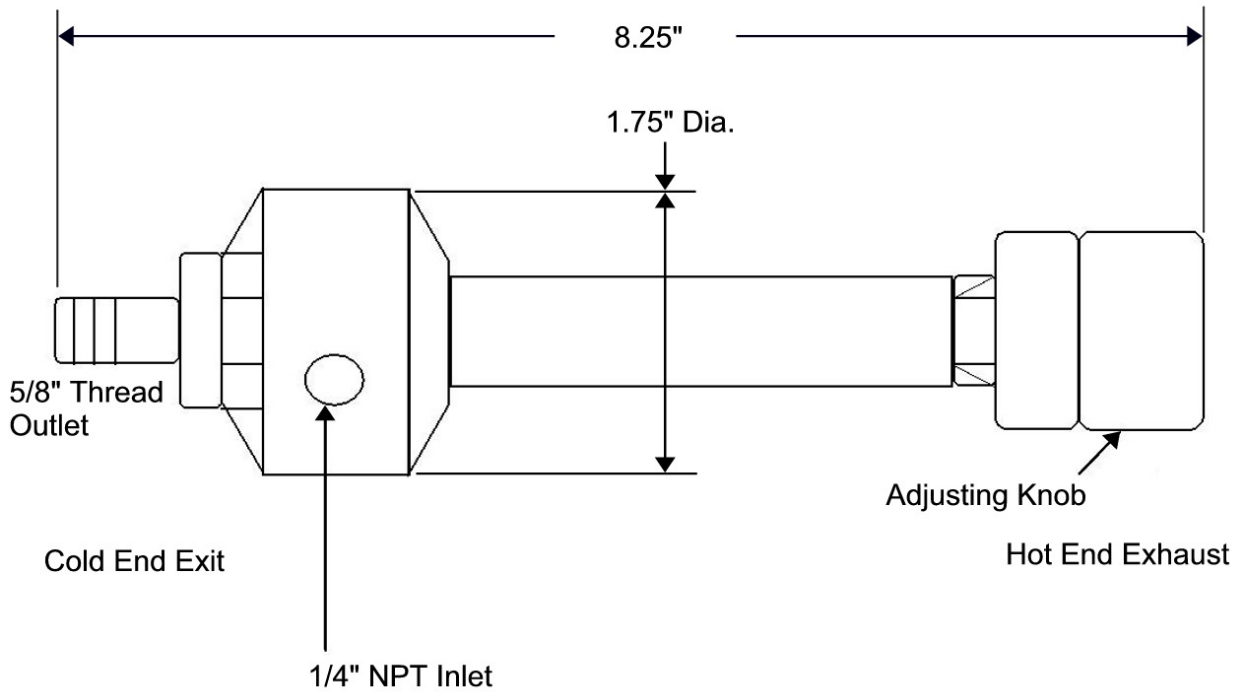
MODULOC Control Systems Ltd.

Wheatthamstead, Hertfordshire, AL4 8SB United Kingdom
Phone: +44 (0)845 8736501 FAX: +44 (0)1582 831980
E-Mail: sales@moduloc-intl.com Website: www.moduloc-intl.com

MODULOC Control Systems, Inc.

500 Garden City Drive. - Suite 2B, Monroeville, PA 15146 USA
Phone: 412-824-1260 FAX: 412-824-8890
E-Mail: sales@moduloc-usa.com Website: www.moduloc-usa.com

Dimensions



Materials of Construction	
Body	Stainless Steel

Available Accessories

- Air Line Particulate Filter Part No. F18-03-SK00
- Oil Removal Coalescing Filter Part No. M18-03-BK00

		Cold Fraction Percentage						
Inlet Pressure	Cold Fraction %	20	30	40	50	60	70	80
20 PSIG	Temperature Drop	63.1°F	61.3°F	56.1°F	51.3°F	44.5°F	37°F	28.8°F

MODULOC Technology - The Total Sensor Solution

MODULOC
Control Systems

We reserve the right to alter specifications without prior notice. Specifications without tolerances are typical values.

Your Local Sales Representative:

