**NOTES:**

1. VORTEX COOLER REQUIRES 35-40 SCFM @ 80-100 PSIG.
   TYPICAL CYCLE IS 20% ON.

2. UNIT HEIGHT VARIES PER FLANGE OPTIONS, +1", -4"

3. LIFTING WEIGHT: 150LBS. NOTE THAT THE EYELET IS NOT
   LOCATED DIRECTLY ABOVE CENTER OF GRAVITY.

4. HEATED SAMPLE LINE RECOMMENDED @ 140°F MINIMUM
   FOR MOST APPLICATIONS.

5. SAMPLE FLOW RECOMMENDED 1-4 L/M

6. CUSTOMER I.D. TAG IF SPECIFIED ON PO. ENGRAVED STAINLESS
   SECURED WITH SCREWS OR RIVETS.

7. THE RTD EXTENDS INTO THE MAIN COLUMN AND MUST BE REMOVED
   PRIOR TO REMOVING THE DISC ASSEMBLY. RTD TO BE INSTALLED
   UTILIZING A BORED-THRU COMPRESSION FITTING FOR EASE OF
   REMOVAL AND PROPER SEAL.

8. SERIAL/PORT NUMBER LABEL INSIDE ON DOOR.
NOTES:

⚠️ THE RTD EXTENDS INTO THE MAIN COLUMN AND MUST BE REMOVED PRIOR TO REMOVING THE DISC ASSEMBLY. RTD TO BE INSTALLED UTILIZING A BORED THRU COMPRESSION FITTING FOR EASE OF REMOVAL AND PROPER SEAL.
NOTES:

1. ALL TUBING TO BE 1/4" 316SS (UNLESS OTHERWISE NOTED).
2. ALL WETTED MATERIALS ARE STAINLESS STEEL.
3. SET VORTEX TUBE 3.5 TURNS FROM BOTTOM.
4. BORED OUT FITTING 4954-1095-SW.

ITEM    QTY   DESCRIPTION       UAI PART NO.       AV1 1 AIR ACTUATED VALVE 1/4" N.C. SPRING RETURN 4955-0109
S1V2 1 SOLENOID VALVE 3-WAY 24VDC EXP. PROOF 4955-0260
S1V1 1 SOLENOID VALVE 2-WAY 24VDC EXP. PROOF 4955-1141
VC 1 VORTEX COOLER 40 SCFM 4960-1013
VM 1 VORTEX MUFFLER - HOT 4960-1011

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VM 1 VORTEX MUFFLER - HOT 4960-1011
NOTES:

1) ELECTRICAL CLASSIFICATION DESIGNED FOR CLASS 1, DIV 2, GROUPS A, B, C, D.
ALL ELECTRICAL COMPONENTS ARE SELF-CERTIFIED FOR HAZARDOUS AREA USAGE BY THE
RESPECTIVE VENDOR. THIS ASSEMBLY HAS NOT BEEN CERTIFIED.

2) WIRING SHALL BE IN ACCORDANCE WITH APPLICABLE NEC CODE.
ALL ELECTRICAL MATERIALS SHALL BE LABELED BY: UL, FM OR CSA (WIRE AND TERMINALS ONLY).
THE FOLLOWING WIRE SIZES ARE EXCLUSIVE OF INTEGRATED COMPONENT WIRE SIZE:
ALL WIRES. TFE 300V INSULATION, 18 AWG MINIMUM, STRANDED COPPER CONDUCTOR.

3) COLOR CODING:

AC SIGNAL & ALARM DC SIGNAL & ALARM
H/L - BLACK POSITIVE - RED H/L - WHITE
N/L - WHITE NEGATIVE - BLUE "ALL" - "YELLOW"
GROUND - GREEN

4) ENCLOSURE DOOR SHALL BE GROUNDED TO BACK PANEL.

5) LABEL ALL CONNECTIONS WITH GRAVOLPY.

INSTALL DIODE 1009-0009 FOR ALL SOLENOIDS.

FIELD TO WIRE