NOTES:
1. EACH VORTEX COOLER REQUIRES 35-40 SCFM @ 80-100 PSIG DEWPOINT ≤ -40°F RECOMMENDED.
   TYPICAL CYCLE IS 20% ON.
   RECOMMEND TWO SEPARATE AIR SUPPLIES TO REDUCE THE CHANCE OF PRESSURE DROP BELOW RECOMMENDED LEVELS.
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. AMBIENT TEMPERATURE OPERATING RANGE: +14°F (-10°C) TO +130°F (+55°C)
8. 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.
9. SERIAL / PART NUMBER LABEL INSIDE ON DOOR.
NOTES:
1. 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.
LEAD TUBING BY OTHERS

NOTES:
1. ALL TUBING TO BE 1/4" 316SS  (UNLESS OTHERWISE NOTED)
2. ALL WETTED MATERIALS ARE STAINLESS STEEL
3. SAMPLE TEMPERATURE SETPOINT IN CONTROLLER IS 65°F UNLESS OTHERWISE STATED ON P.O.

SET VORTEX TUBE 3.5 TURNS FROM BOTTOM.
ENCLOSURE PURGE FITTING (<1 L/M).
BORED OUT FITTING 4954-1095-SW.

ITEM   QTY   DESCRIPTION   UAI   PART NO.
AV1   1   AIR ACTUATED VALVE 1/4" N.C. SPRING RETURN   4955-0200   4955-0106
AV2   2   SOLENOID VALVE 2-WAY 24VDC EXP. PROOF   4955-0200   4955-0200
AV3   2   SOLENOID VALVE 2-WAY 24VDC EXP. PROOF   4955-0200   4955-0200
EP    1   1/4" TUBE W/INCHER 30µm   4955-0177
EP1   1   1/4" TUBE W/INCHER 30µm   4955-0177
VC1   4   VENT 1/2" PIPE   4955-0177
VC2   4   VENT 1/2" PIPE   4955-0177
VC3   4   VENT 1/2" PIPE   4955-0177
SV1   3   1/2" TUBE   4955-0177
SV2   3   1/2" TUBE   4955-0177
SV3   3   1/2" TUBE   4955-0177

5200 Convair Drive Carson City, NV 89706 PH(775)883 -2500 FAX (775)883-6388
NOTES:

1) ELECTRICAL CLASSIFICATION DESIGNED FOR CLASS I, 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.
   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: BLACK POSITIVE - RED
   DC: WHITE NEGATIVE - BLUE
   GROUND - GREEN

4) POWER SUPPLY AND RELAYS SHALL BE LOCATED ON TB DIN RAIL

5) ENCLOSURE DOOR SHALL BE GROUNDED TO BACK PANEL

6) TB1 & TB2 SHALL BE SEGREGATED

7) FOR CUSTOMER SUPPLIED 24VOLT OPTION, DISCONNECT PS1 AND WIRE DIRECTLY TO TB2-1 (+24V)
   AND TB2-8 (0V).

FIELD TO WIRE

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