

# CAMS – High Capacity COMBUSTION AIRFLOW MANAGEMENT SYSTEM

### STANDARD CONSTRUCTION

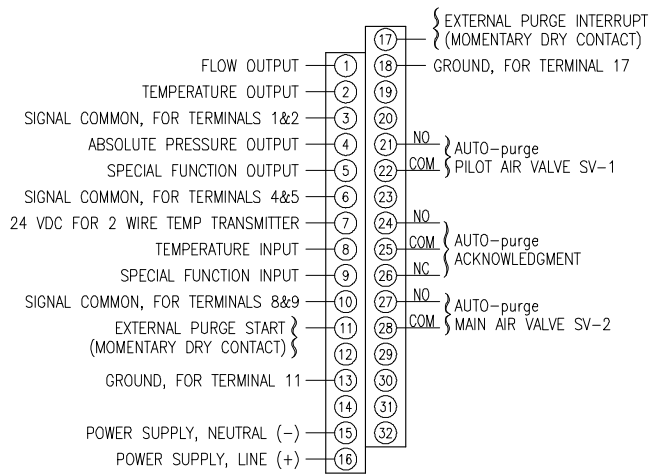
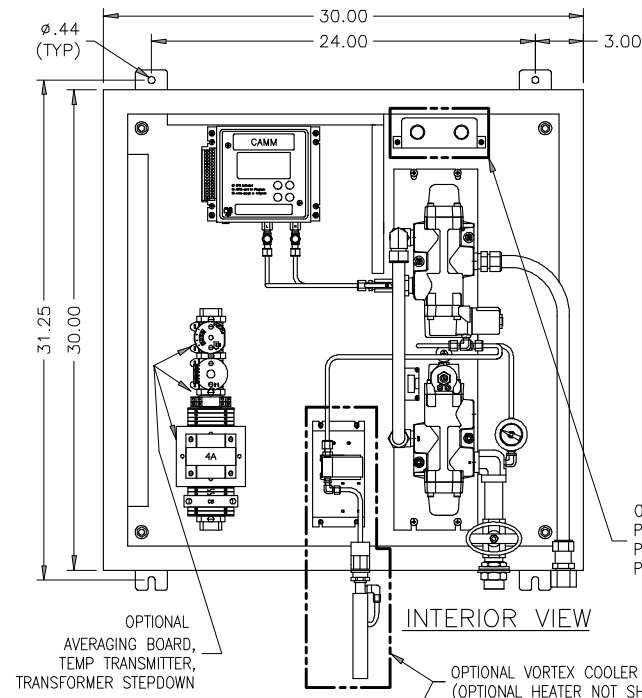
- Brass and Copper Construction      All wetted tubing, fittings, and valves constructed of copper and/or brass. Enclosure is NEMA 4 painted steel. External connection fittings are stainless steel FPT.
- Stainless Steel Construction      All wetted tubing, fittings, and valves constructed of 316 stainless steel. Enclosure is NEMA 4 painted steel. External connection fittings are stainless steel FPT.

### OPTIONAL CONSTRUCTION

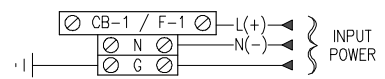
- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                               |                     |                |             |                                |      |      |                                |     |     |                                 |       |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|-------------|--------------------------------|------|------|--------------------------------|-----|-----|---------------------------------|-------|------|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> NEMA 4X Stainless Steel Enclosure</li> <li><input type="checkbox"/> Vortex Cooler. Requires 80-100 psi air supply*</li> <li><input type="checkbox"/> Enclosure Heater. Requires 120VAC power supply**</li> <li><input type="checkbox"/> Purge start and/or purge interrupt pushbuttons                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Panel mounted      <input type="checkbox"/> Door mounted</li> </ul> </li> <li><input type="checkbox"/> Viewing Window</li> </ul> | <table border="0"> <tr> <td><b>Power Supply</b></td> <td><b>In Rush</b></td> <td><b>Hold</b></td> </tr> <tr> <td><input type="checkbox"/> 24VAC</td> <td>85VA</td> <td>73VA</td> </tr> <tr> <td><input type="checkbox"/> 24VDC</td> <td>37W</td> <td>37W</td> </tr> <tr> <td><input type="checkbox"/> 120VAC</td> <td>106VA</td> <td>92VA</td> </tr> </table> | <b>Power Supply</b> | <b>In Rush</b> | <b>Hold</b> | <input type="checkbox"/> 24VAC | 85VA | 73VA | <input type="checkbox"/> 24VDC | 37W | 37W | <input type="checkbox"/> 120VAC | 106VA | 92VA |
| <b>Power Supply</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>In Rush</b>                                                                                                                                                                                                                                                                                                                                                | <b>Hold</b>         |                |             |                                |      |      |                                |     |     |                                 |       |      |
| <input type="checkbox"/> 24VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 85VA                                                                                                                                                                                                                                                                                                                                                          | 73VA                |                |             |                                |      |      |                                |     |     |                                 |       |      |
| <input type="checkbox"/> 24VDC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 37W                                                                                                                                                                                                                                                                                                                                                           | 37W                 |                |             |                                |      |      |                                |     |     |                                 |       |      |
| <input type="checkbox"/> 120VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 106VA                                                                                                                                                                                                                                                                                                                                                         | 92VA                |                |             |                                |      |      |                                |     |     |                                 |       |      |

\* Add 21VA in rush, 12VA Hold (8W) for 400 BTUH @ 100 psig ≤ 70°F  
 \*\*Add 3.2A @ 120VAC for 400 watt heater

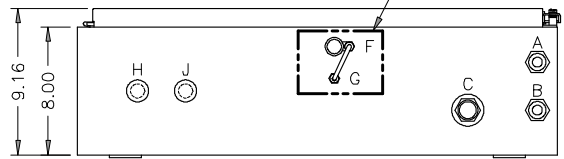
### DIMENSIONAL SPECIFICATIONS



CAMM WIRING



FIELD POWER WIRING



BOTTOM VIEW

### CONNECTION CODE

- |                                                  |                   |
|--------------------------------------------------|-------------------|
| A. STATIC PRESSURE (LO) SIGNAL FROM FLOW ELEMENT | 3/4" (F)NPT       |
| B. TOTAL PRESSURE (HI) SIGNAL FROM FLOW ELEMENT  | 3/4" (F)NPT       |
| C. SUPPLY AIR 80 - 125 PSIG                      | 3/4" (F)NPT       |
| D. NOT APPLICABLE                                |                   |
| E. NOT APPLICABLE                                |                   |
| F. VORTEX COOLER MOUNTING HOLE                   | N/A               |
| G. VORTEX COOLER AIR SUPPLY                      | N/A               |
| H. ELECTRICAL CONNECTION POWER WIRING            | 1/2" CONDUIT SEAL |
| J. ELECTRICAL CONNECTION SIGNAL WIRING           | 1/2" CONDUIT SEAL |