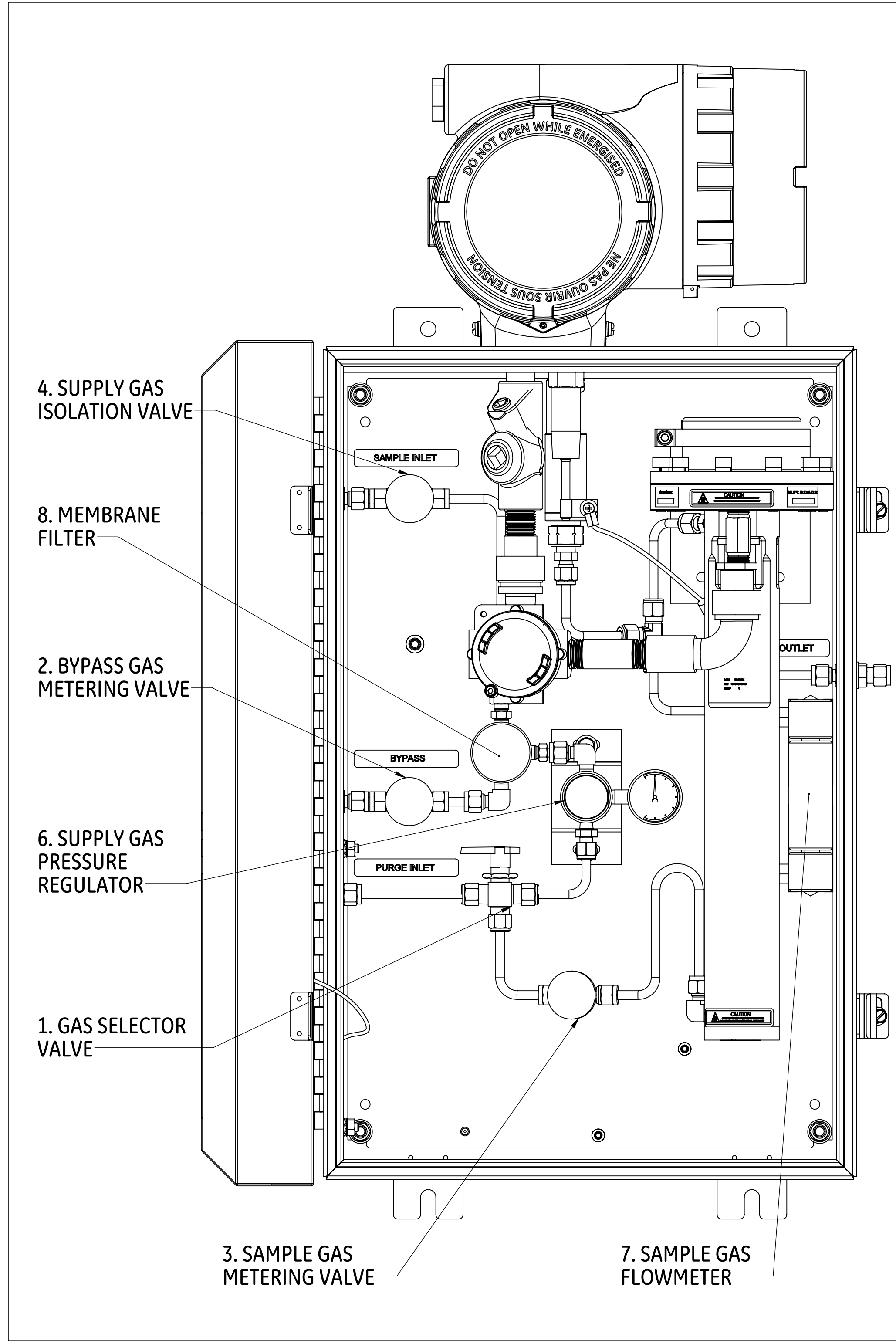


REVISIONS					
REV	ECO	DESCRIPTIONS	DWN	CKD	APVD
D	09086	ORIGINATED FOR REV CONTROL	MIH 10/29/14	JPS 10/29/14	JPS 10/29/14
E	09210	UPDATED PER ECO	PMH 4/16/15	MIH 4/22/15	JPS 4/23/15



AURORA H2O START UP

1. Supply gas inlet pressure should be <400 psig.
2. Confirm there are no flow restrictions downstream of the analyzer sample outlet. Maximum outlet back pressure should be <10 psig.
3. Start with all needle valves (2, 3, and 4) in the closed position, which is turned fully clockwise. The pressure regulator (6) should be fully counterclockwise.
4. Start with the sample gas selector valve (1) handle indicator pointing fully to the right in order to select the sample gas line, as pictured in the image to the left.
5. Open the bypass gas metering valve (2) 1/4 turn counterclockwise.
6. Fully open the sample gas metering valve (3) by turning counterclockwise.
7. Slowly open the supply gas isolation valve (4) 1/4 turn counterclockwise.
8. Slowly turn the supply gas pressure regulator (6) clockwise until the sample gas flowmeter (7) indicates mid-scale.
 - a. If the pressure is increased too rapidly, it will activate the liquid-block feature of the membrane filter (8), shutting off gas flow.
 - b. If this occurs, fully close the supply gas isolation valve (4) by turning clockwise.
 - c. Wait 30 seconds and then go back to Step 7. (A pop sound can be heard when the liquid-block opens to allow gas flow).
9. Slowly adjust the bypass gas metering valve (2) until the desired flow rate is reached (requires optional flowmeter for precise metering).
10. Fully open the supply gas isolation needle valve (4) by turning counterclockwise.

AURORA H2O SHUT DOWN

1. Fully close the supply gas isolation valve (4) by turning clockwise.
2. Turn the supply gas pressure regulator (6) fully counterclockwise.
3. Fully close the bypass and sample gas metering valves (2 & 3) by turning clockwise.

SERVICE GAS CONNECTION

1. Start with all needle valves (2, 3, and 4) in the closed position, which is turned fully clockwise. The pressure regulator (6) should be fully counterclockwise.
2. Confirm that there are no flow restrictions downstream of the analyzer sample outlet. Maximum outlet back pressure should be <10 psig.
3. Turn the sample gas selector valve (1) handle indicator to point fully to the left in order to select the service gas line.
4. Connect the regulated and filtered gas supply.
 - a. Regulated pressure range: 0-10 psig
 - b. Outlet filter size: 7 micron
 - c. Initial pressure setting: 0 psig (minimum)
5. Fully open the sample gas metering valve (3) by turning counterclockwise.
6. Increase the regulated pressure until the sample gas flowmeter (7) indicates mid-scale.

print box

902-004 REV E

NOTE: ONLY PRINT INFORMATION INSIDE BOX ON 8"X11" WHITE PAPER, THEN LAMINATE

<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE FRACTIONS DECIMALS ANGLES ± 1/32" .XX ± .01 ± 1° .XXX ± .005 125° SURFACE FINISH</small>		<small>GE Infrastructure Sensing, Inc. 1100 Technology Park Dr. Billerica, MA 01821 USA</small>	
		<small>THIRD ANGLE PROJECTION</small>	<small>TITLE</small> Aurora Sample System Quick Start Guide
<small>CHECKED</small> XXX	<small>SALES</small>	<small>SIZE</small> D	<small>DRAWING NUMBER</small> 902-004
<small>CERT</small> RN	<small>GENERATED USING SOLIDWORKS</small>	<small>SCALE</small> None	<small>REV</small> E
<small>PROPRIETARY INFORMATION - THIS DRAWING CONTAINS PROPRIETARY INFORMATION OF GENERAL ELECTRIC CO. AND MAY NOT BE VIEWED OR DISCLOSED TO OTHERS, EXCEPT WITH THE WRITTEN PERMISSION OF GENERAL ELECTRIC CO.</small>		<small>MODEL NO.</small> Aurora	<small>DO NOT SCALE DWG</small> SHEET 1 OF 1