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CAM INSTALLATION
2016_0301RJN

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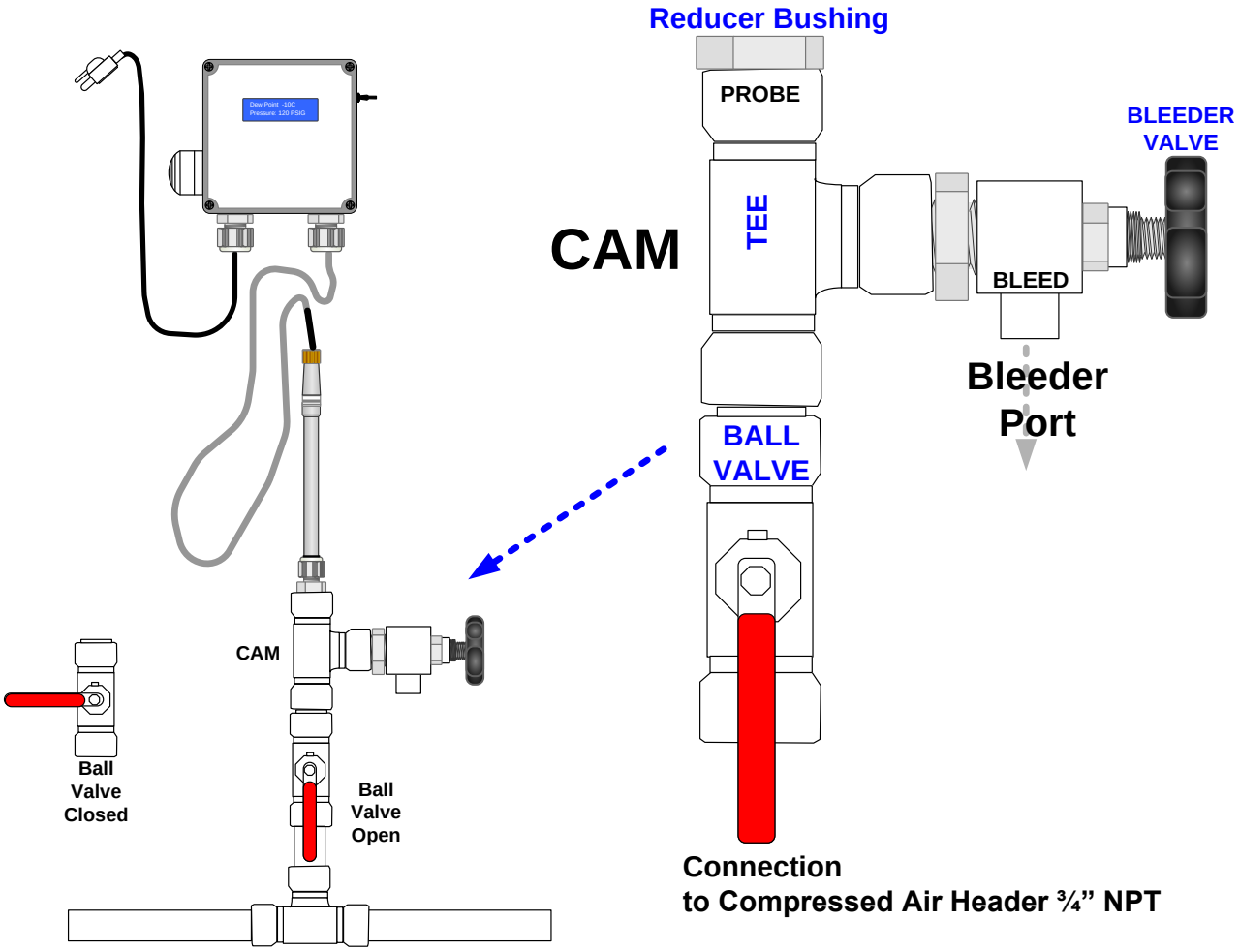
READ THIS ENTIRE INSTRUCTION SHEET BEFORE USING THE CAM

CAM Installation Using HP125 Probe



NOTES:

1. The connection point on the CAM to the process point is ¾ inch female NPT at the bottom of the isolation ball valve.
2. The Bleeder Port on the bleeder valve is ¼ inch female NPT. You can install a compression fitting and tube to re-direct the sample exhaust flow.
3. The Reducer Bushing on the Probe Insertion Port on the CAM is 1/2inch female NPT. You can remove the bushing to allow for installation of ¾ inch NPT probes.
4. The CAM is brass construction rated for pressures up to 500 psig.
5. The CAM is designed to extract a small flow of gas constantly past the sensor probe- approximately 1-2 scfh. There may instances where the gas is contaminated and slowly blocks the bleeder port. If this occurs, simply crack open the bleeder valve to purge out any accumulated liquids or particulates. Follow by re-setting the bleed valve to flow approximately 1-2 scfh past the probe.
6. **ALWAYS INSTALL THE CAM SUCH THAT THE BLEEDER PORT IS POINTED AWAY FROM PERSONELL!**
7. **NEVER REMOVE THE PROBE FROM THE CAM WHILE THE CAM IS PRESSURIZED!**

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INSTALLATION WITH THE HP125 SERIES PROBES:

1. Ensure the process penetration point is de-pressurized before attempting to install the CAM
2. Close ball valve on the CAM. Close the Bleeder valve (clockwise).
3. Install the HP125 Probe onto the CAM top port. The CAM is supplied with a Reducer Bushing to accommodate the installation of the Probe when equipped with a ½ inch NPT male threaded compression fitting. If the HP125 is equipped with a ¾ inch NPT fitting, then remove the reducing bushing and thread the probe directly into the TEE fitting. Be certain to apply thread tape to male threads of the probe compression fitting before installation to ensure a seal.
4. The probe slides through the compression fitting. Adjust height of the probe with the CAM TEE so that the probe sensing tip is approximately in the center of the TEE (gas will flow past the tip and then out of the bleeder valve).
5. Ensure the Compressed Gas Source pressure is OFF (de-pressurized). Connect the CAM at the bottom port of the ball valve. Ensure all fittings are tightened. **CAUTION the CAM is designed to operate with compressed gas. Always take the proper safety precautions when working with pressurized gases!**
6. Re-pressurize Compressed Air System. Slowly open the Ball Valve to pressurize the CAM and probe. Check for leaks.
7. Slowly adjust the CAM bleeder valve to allow a small flow of gas out. This flow should be very small- just noticeable. You can check flow with a flowmeter. Ideal flow is approximately 1-3 LPM.

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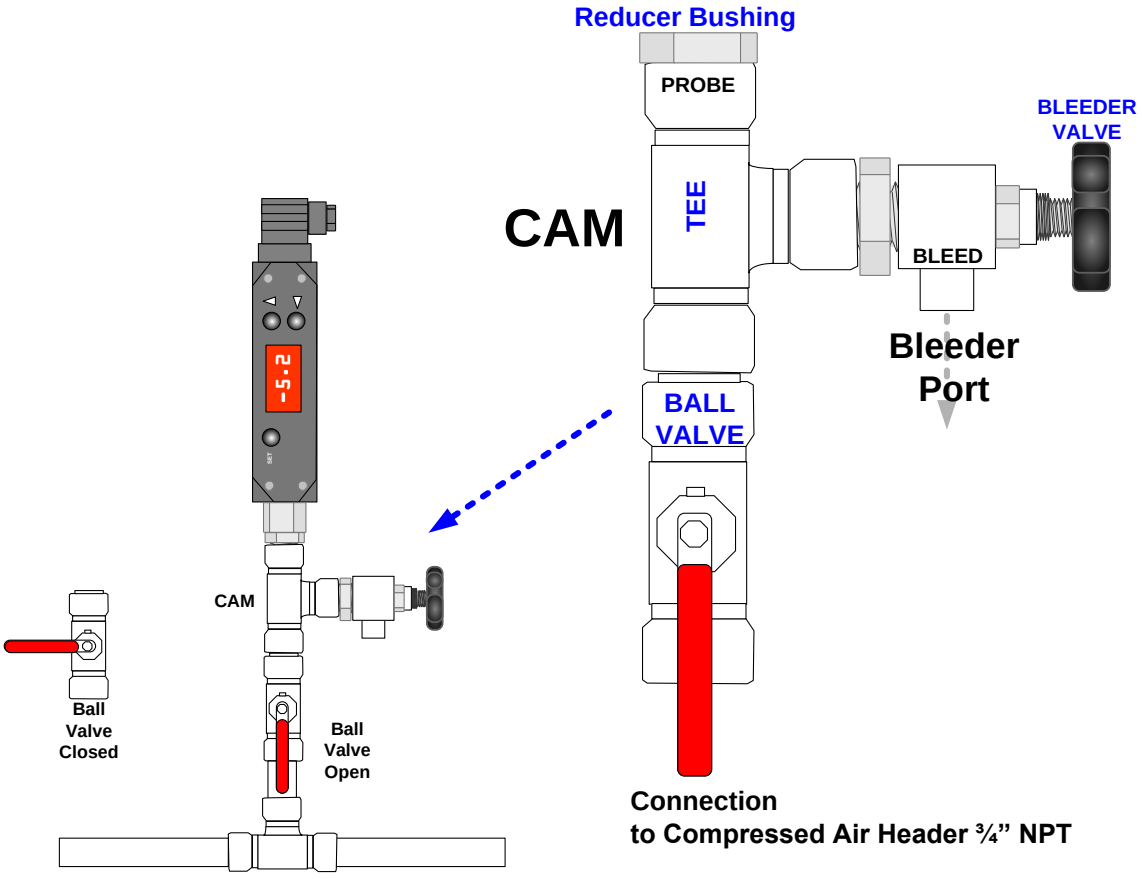
CAM Installation Using 6744 Probe



1. Close ball valve on the CAM. Close the Bleeder valve (clockwise).
2. Install the 6744 onto the CAM top port. The CAM is supplied with a Reducer Bushing to accommodate the installation of the 6744 when equipped with a ½ inch NPT male threaded compression fitting. Be certain to apply thread tape to male threads of the probe compression fitting before installation to ensure a seal.
3. Ensure the Compressed Gas Source pressure is OFF (de-pressurized). Connect the CAM at the bottom port of the ball valve. Ensure all fittings are tightened.

CAUTION the CAM is designed to operate with compressed gas. Always take the proper safety precautions when working with pressurized gases!

4. Re-pressurize Compressed Air System. Slowly open the Ball Valve to pressurize the CAM and probe. Check for leaks.
5. Slowly adjust the CAM bleeder valve to allow a small flow of gas out. This flow should be very small- just noticeable. You can check flow with a flowmeter. Ideal flow is approximately 1-3 LPM.

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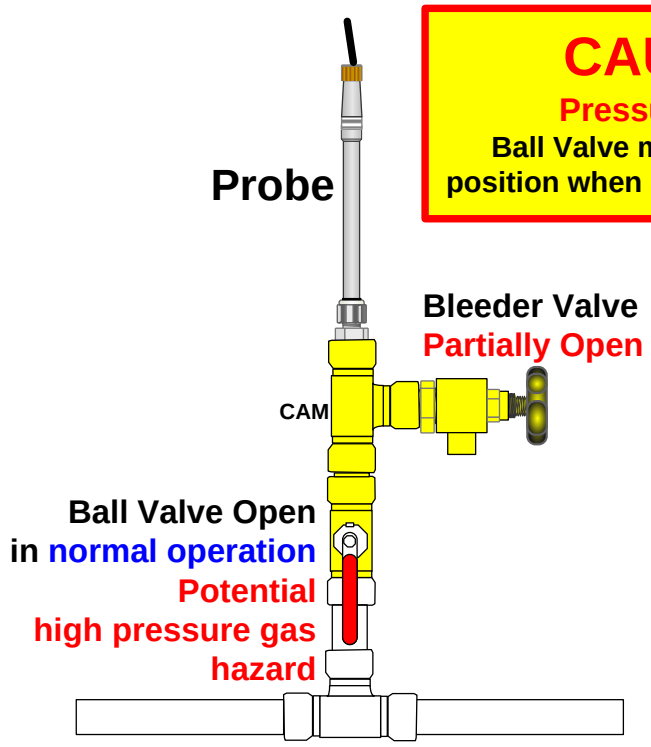
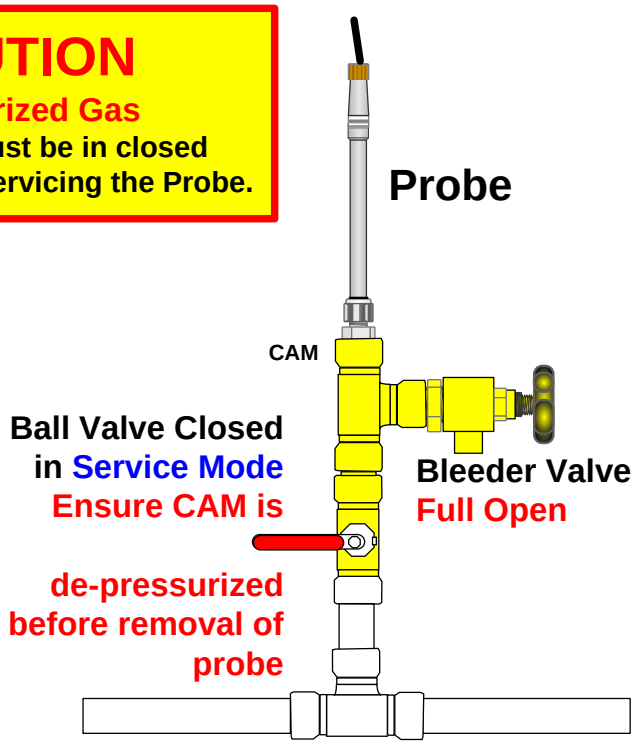
CAUTION
Pressurized Gas
Ball Valve must be in closed position when servicing the Probe.





HAZARD WARNING CAM OPERATION		
CAM OPERATION	Reference Only	
	RJN	MARCH 16, 16
Edgetech Instruments Inc.	SK-WL-03162016A