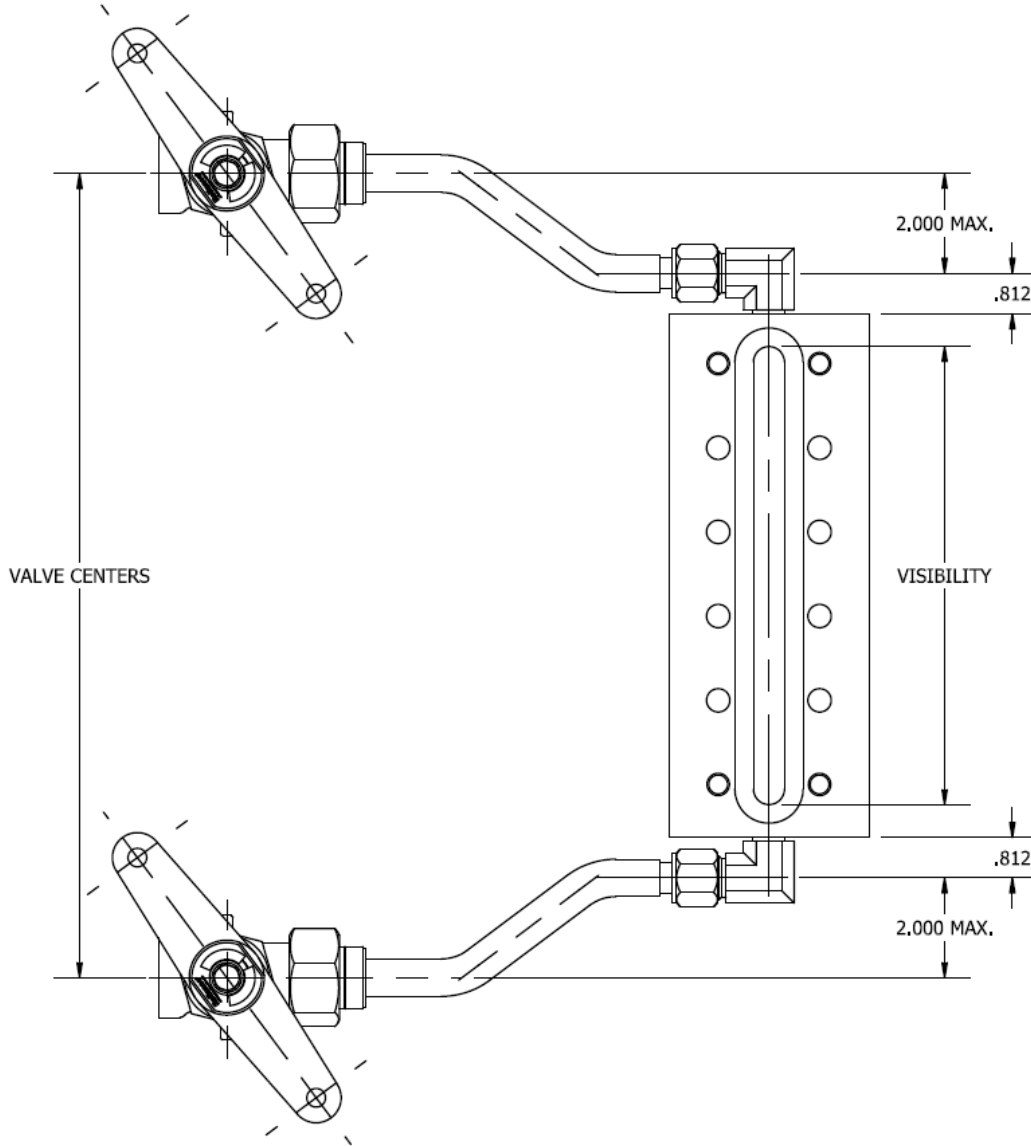


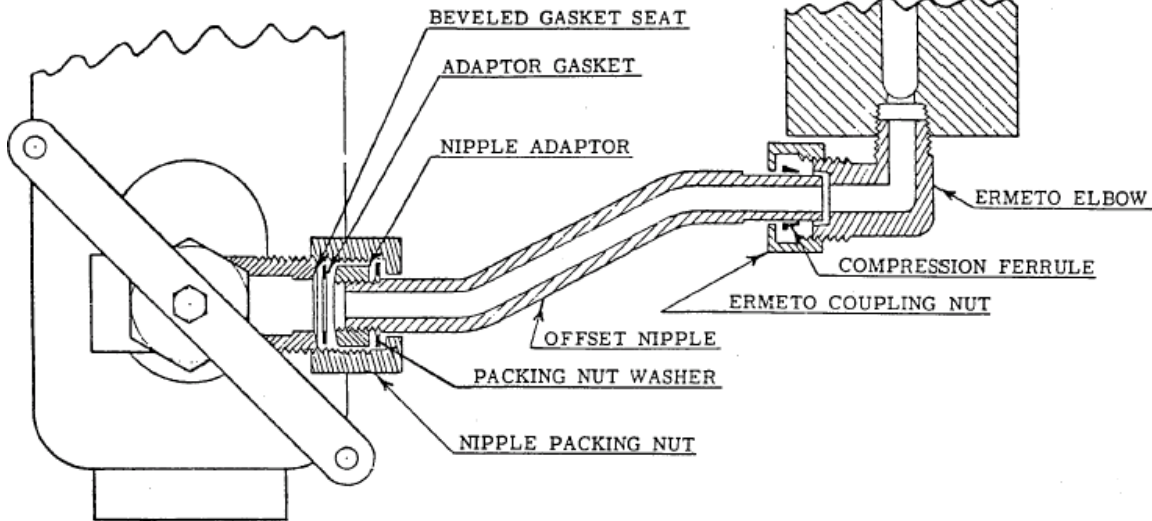
Instructions for Installing Prismatic Gage with Offset Nipples in Bronze Water Gage Valves



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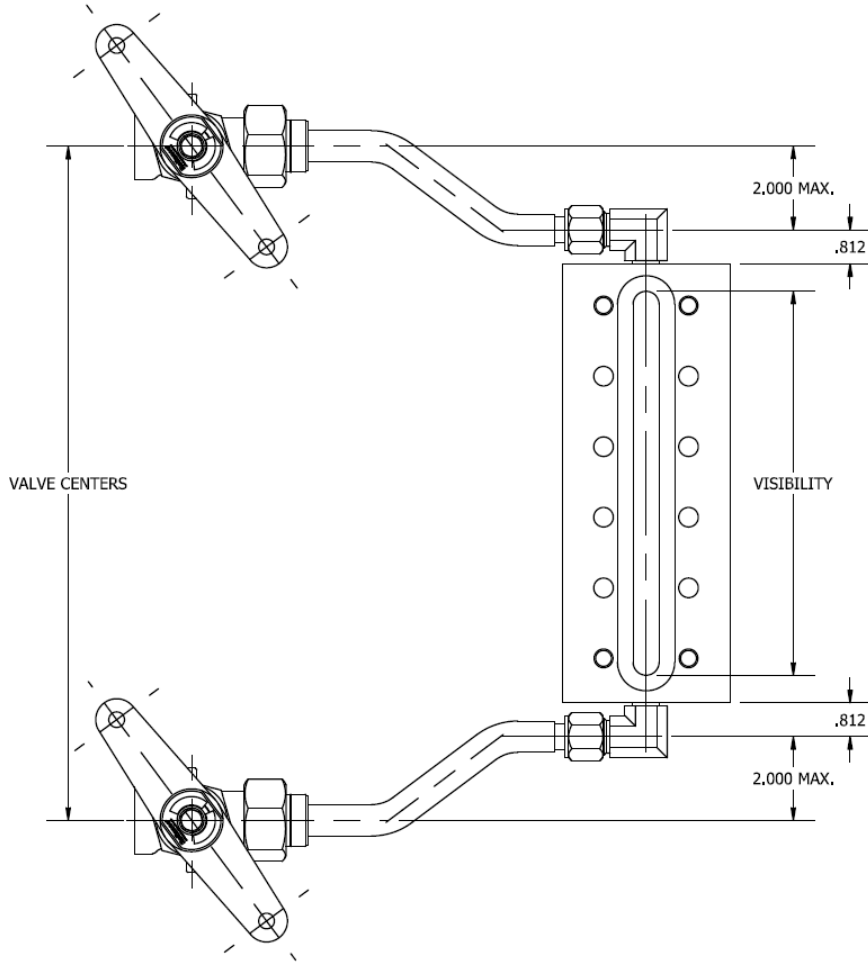


SECTIONAL ASSEMBLY VIEW OF LOWER OFFSET NIPPLE ASSEMBLY

INSTALLATION STEPS:

1. Isolate the assembly and open the drain valve to relieve any trapped pressure. Disconnect the drain piping.
2. Remove packing nuts, packing rings, packing washers, and the existing gage glass.
3. Remove the handles from the upper and lower water gage valves.
4. a) For right hand assembly: turn the upper valve $\frac{3}{4}$ turn clockwise and lower valve $\frac{1}{4}$ turn clockwise
 b) For left hand assembly: turn the upper valve $\frac{1}{4}$ turn clockwise and the lower valve $\frac{3}{4}$ turn clockwise
4. Inspect beveled gasket seat in both valves. Dirt and old packing fragments should be removed, taking care not to damage the surface of the seat. If necessary, fine (150 grit) emery cloth may be used to improve the seat surface. Also, remove any old packing from the nipple packing nuts.
5. Install offset nipples and gage glass as shown above, applying only enough hand torque to the nipple packing nut and Ermeto coupling nut to prevent the gage glass from slipping. Be sure the adaptor gasket is positioned with exposed fiber face in contact with the beveled gasket seat in the valve.
6. Use a level or other accurate instrument to adjust the gage glass to vertical position.
7. With the gage glass in the vertical position, tighten both nipple packing nuts and both Ermeto coupling nuts. Replace the drain piping onto the lower valve.
8. Adjust the sprockets in the water gage valve handles so that the handles are in proper tandem position when put back on the valve stems. (refer to IOM #E207-A)
9. Replace handles and operating chains back on the water gage valves.
10. The Tiltview Assembly is now ready to be put back into service. Check for any leaks. If a leak is found, isolate the assembly, and open the drain valve to relieve pressure. Repair the leak and place the Tiltview Assembly back into service. Repeat if leaks continue.

Note: *If the weight of the gage with an illuminator installed causes any sag of the assembly, check the tightness of the packing nut, and support the gage glass to prevent any sag in the future.*



Caution: Do not install with any downward slope on the lower nipple or upward slope on the upper nipple. Lower nipple slope must be horizontal to 2" upward. Upper nipple slope must be horizontal to 2" downward.

GAGE NO.	VISIBILITY	VALVE CENTERS			
		PRISMATIC		FLAT GLASS	
		MIN.	MAX.	MIN.	MAX.
4	6.750	9.500	13.375	9.750	13.750
5	7.875	10.625	14.500	10.875	14.875
6	9.125	11.875	15.750	12.125	16.125
7	10.125	13.000	16.875	13.250	17.125
8	11.750	14.625	18.500	14.875	18.750
9	12.500	15.375	19.250	15.625	19.500

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