

Specification sheet



FEATURES

- Maximum pressure 300 psi
- Quick & Accurate Main Valve Visual Indication
- Easy Installation and Maintenance
- Conveniently Removes Trapped Air In Cover
- Aid For Troubleshooting

MATERIAL

ZPI Housing	Yellow Brass
Gaskets	Buna Nitrile
Sight Tube	Polyethylene
Test Cock	
Main Valve Body	Cast Bronze ASTM B 584
Ball	Brass ASTM B 16, Chrome Plated

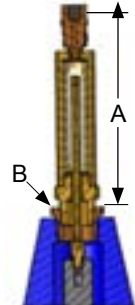
APPLICATION

The valve position indicator (ZPI) provides a visual indication of the current operating position of any Zurn Wilkins ACV. The ZPI is comprised of a rod that is attached to the stem of the main valve, enclosed within a sight tube and affixed to the top of the main valve cover. A quick glance at the valve position indicator will allow confirmation of the current position of the main valve. The ZPI is also helpful in the removal of trapped air in the cover of the main valve. Located at the top of the ZPI is a manual purge valve that will release trapped air. This option is especially useful when the fluid within the system is quite aerated, causing improper operation.

SPECIFICATIONS

The Model ZPI can be installed on any Zurn Wilkins ACV-main valve

VALVE SIZE	HEIGHT ABOVE COVER A	NPT CONNECTION B
1-1/4" -2-1/2"	4-1/4"	1/2"
3"	4-1/4"	1/2"
4"	4-1/4"	3/4"
6"	6"	3/4"
8" - 10"	6-3/8"	1"
12" - 16"	8"	1"



Installation Maintenance Instructions

INSTALLATION

Prior to installation, close upstream isolation valve and relieve all pressure in system.

- After pressure is relieved, remove plug from the top of the cover.
- Install position indicator rod into main valve stem through the cover with fingers and then tighten with adjustable wrench a quarter turn past finger tight (Green Loctite may be used if desired on threads).
- Then slide entire position indicator assembly over the installed rod and tighten adapter on top of the cover. To ensure proper seal use of pipe dope or Teflon tape is recommend. For larger (8" & 16") sizes install provided bushing into cover before indicator assembly.
- Next, to prevent leaks tighten housing using an adjustable wrench and tighten housing a 1/4-1/2 turn past hand tight.

CAUTION: Do not over tighten as this will place excessive force on sight tube causing it to shatter.

- After installation refer to ACV start up procedures and checks for leaks.
- After start up procedures are performed it is recommended that fully closed and open marks be made on the position indicator housing.
- To close main valve, open downstream source to allow flow through the main valve. Then slowly close outlet pilot ball valve. This will manually close the main valve. When the downstream flow stops and pressure goes to zero, the main valve is closed. At this point, mark the location of rod on the indicator housing. This will be the valve "Closed" reference mark.
- To fully open the main valve. Slowly close inlet pilot ball valve keeping outlet ball valve closed. Then slowly open test cock at top of indicator.

Caution: When the main valve is in the full open position the valve can result in high flows. Ensure that pressures

and flow through the valve are maintained at safe operating conditions. It is recommend that this procedure be performed under low flows (i.e. cracked ball valve downstream).

- Once all the pressure in the cover is relieved, leave test cock open to atmosphere until the indicator rod reaches its highest point. At this point mark the housing where the location of the rod is. This will be the valve "Full Open" reference mark.

MAINTENANCE / REPAIR

Prior to maintenance, close upstream isolation valve and relieve all pressure in system.

- After pressure is relieved, remove position indicator by unthreading housing. Slide housing, sight tube, and gasket off the indicator adapter.
- Clean and inspect all components. Replace gaskets every time maintenance is performed. Inspect sight tube and if it looks discolored or damaged replace as necessary.
- Indicator rod generally does not need to be removed, but if necessary use adjustable wrench on flat portion of the rod and unthread. Upon removal, inspect for damage and replace if necessary.
- To reassemble, hold the indicator housing upside down and place new gasket at the bottom of the housing and slide sight tube on to gasket. Ensure gasket is flat between tube and housing.
- Then place second gasket on top of the indicator adapter and thread housing on to it. Tighten to hand tight.
- Using an adjustable wrench tighten housing a 1/4-1/2 turn past hand tight. **CAUTION:** Do not over tighten as this will place excessive force on sight tube causing it to shatter.
- After reinstallation refer to ACV start up procedures and check for leaks.

NOTICE: Annual inspection and maintenance is required of all plumbing system components. To ensure proper performance and maximum life, this product must be subject to regular inspection, testing and cleaning.

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