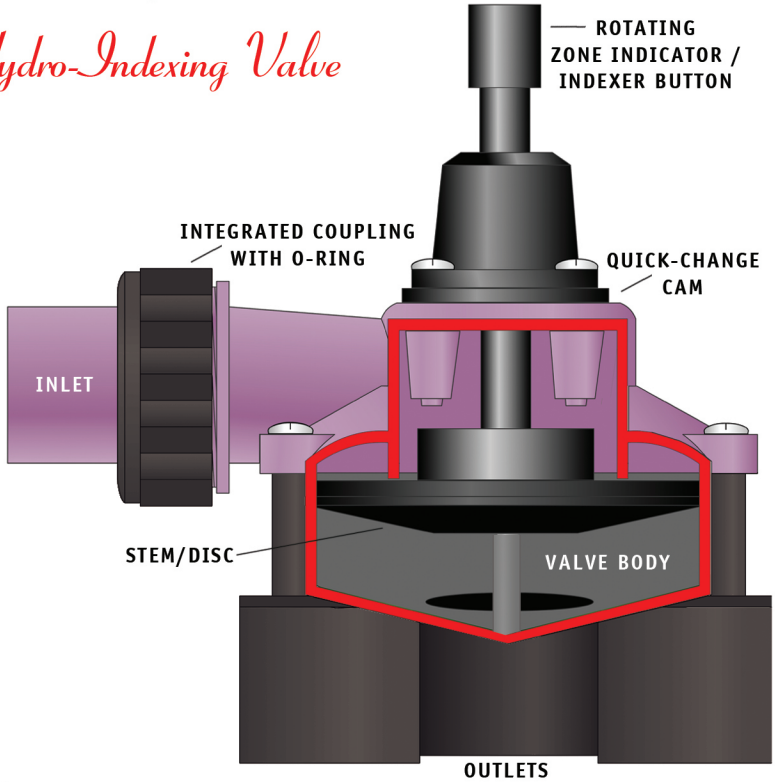
TECHNICAL DATASHEET
FIMCO Wastewater Hydro-Indexing Valve

The World's Finest Hydro-Indexing Valve



FIMCO Manufacturing:
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How it Works:
As water enters the valve it forces the disc downward sealing all outlets except for one. When the water source is cut off the spring tension becomes stronger than the weight of the water and forces the disc upwards. When the disc moves upwards the fins on the stem ride along the teeth on the cam and index the disc into position for the next zone.

Technical Specifications:
Valve Composition: The valve body is composed of ABS plastic blended with a UV resistant color additive. The valve top is composed of a glass reinforced ABS. The moving parts as well as the cam cap are composed of an acetal copolymer due to its low coefficient of friction. The disc is a thermoplastic elastomer.
Effluent Quality: Secondary or better.
Inlet: Glue and slip connection to PVC pipe. (Standard primer & PVC cement only, no blue fast-setting all-weather PVC Cement)

Valve Series:
1000 Series: 1" all plastic valve comes in 4,6, and 8 zone models
2000 Series: 1 1/4" mini all plastic valve comes in 4 and 6 zone models
4000 Series: 1 1/2" all plastic valve comes in 4 and 6 zone models

The 4 outlet valve can be configured to run 2, 3, or 4 zones. The 6 outlet valve can be configured to run either 5 or 6 zones. A special white cam can be installed to make a 6 outlet valve run only 3 or 4 zones. The 8 zone valve can be configured to run either 7 or 8 zones. ALl valves can be configured through use of the proper cam. No teflon tape or pipe sealant on threads.

The Zone Indicator:
The knob on top of the cam has an arrow which points to the activated zone. When the pump is turned off, index the cam to the desired zone by pushing down on the Zone Indicator. When the pump is turned back on the system will automatically start on that zone. Great to use when working on multiple zones.

Pressure Drop through the Valve:
Elevation change and cross sectional areas are the most influential factors in determining pressure loss through the indexing valve. The total pressure loss through the indexing valve is directly dependant on the volumetric flow rate through the indexing valve, i.e. the greater the flow rate the higher the pressure drop. For more information and a detailed graph please visit: http:/www.fimcomfg.com/headloss.html.

Model Number	Minimum Pressure	Included Cams*	Manually Indexing Zone Indicator	Inlet/Outlets	Dimensions LxWxH	Normal Flow Rate
1004F-23	10PSI	2 & 3	Included	1"/1"	7"x4.5"x7.5"	10-24GPM
1006F-5	10PSI	5	Included	1"/1"	7"x4.5"x7.5"	10-24GPM
1008F-7	10PSI	7	Included	1"/1"	7.5"x5.5"x7.5"	10-24GPM
2004F-23	6PSI	2 & 3	Included	1.25"/1.25"	7.5"x5"x7.5"	10-40GPM
2006F-5	6PSI	5	Included	1.25"/1.25"	8"x5.5"x7.5"	10-30GPM
4004F-23	10PSI	2 & 3	Included	1.5"/1.5"	8"x6"x7.5"	15-100GPM
4006F-5	10PSI	5	Included	1.5"/1.5"	8"x6"x7.5"	15-100GPM

* The 4 oulet valve ships with the 4 zone cam installed, the 6 outlet valve ships with the 6 zone cam installed and the 8 outlet valve ships with the 8 zone cam installed unless specified otherwise.
** Product waranty valid for 1 year from date of purchase.
*** Product liability is limited to repair or replacement of valve at the discretion of FIMCO.