

## MULTI PORT VALVES

INFINITY offers manual MPV (multiport valves) which are water resistance, high quality hardness disk that provides high flow with excellent durability. Our wide ranges of multiport valves are designed for various filtration/softening applications. They provide excellent performance with a simple customer friendly operation. A simple turn of the handle performs multiple functions like filtration, backwash, rinse, brine suction and brine rinse. These valves are also aesthetically designed to give an excellent appearance to the final system.



## KEY ATTRIBUTES

- ❖ Heavy duty
- ❖ High quality
- ❖ High flow rate
- ❖ Durable design
- ❖ 100 % nontoxic material used
- ❖ all corrosion free wetted parts
- ❖ Easy to change filtration modes

## FILTER MULTI PORT VALVES

| MPV SIZE                                                                          | 25 NB (1")                                  | 40 NB (1.5")        | 50 NB (2")   | 65 NB (2.5")   |
|-----------------------------------------------------------------------------------|---------------------------------------------|---------------------|--------------|----------------|
| MOUNTING                                                                          | TOP MOUNT                                   | TOP MOUNT           | SIDE MOUNT   | SIDE MOUNT     |
| Material of Construction                                                          | Reinforce engineering plastic ABS           |                     |              |                |
| Maximum Operating Pressure                                                        | 5 bar (5 kg/cm2) pressure                   |                     |              |                |
| Maximum Flow Rate<br>0.5 bar pressure drop<br>Inlet, Outlet, Drain<br>Connections | 5000 LPH                                    | 12,000 LPH          | 25,000 LPH   | 30,000 LPH     |
|                                                                                   | 1" BSP (F)                                  | 1 1/2" BSP (F)      | 2" BSP (F)   | 2.5" BSP (F)   |
| Valve Connection to Vessel                                                        | 2 1/2" NPT (M)-4" NPT (M) Adaptors Provided |                     |              |                |
| Inlet, Outlet, Drain Connections                                                  | 1" BSP (MALE)                               | 1 1/2" BSP (female) | 2" BSP (M/F) | 2.5" BSP (M/F) |
| Accessories                                                                       | Top and bottom disc type                    |                     |              |                |



## SOFTNER MULTIPORT VALVES

| MPV SIZE                                                          | 25 NB (1")                                                      |  | 40 NB (1.5")                               |            | 50 NB (2")    | 65 NB (2.5")   |
|-------------------------------------------------------------------|-----------------------------------------------------------------|--|--------------------------------------------|------------|---------------|----------------|
| MOUNTING                                                          | TOP MOUNT                                                       |  | TOP MOUNT                                  | SIDE MOUNT | SIDE MOUNT    | SIDE MOUNT     |
| Material of Construction                                          | 5 bar (5 k g/cm2) pressure                                      |  |                                            |            |               |                |
| Maximum Flow Rate<br>0.5 bar pressure drop                        | 5000 LPH                                                        |  | 12,000 LPH                                 |            | 25,000 LPH    | 30,000 LPH     |
| Valve Connection to Vessel                                        | 2 1/2" NPT (M)-4"NPT (M) Adaptors Provided                      |  |                                            |            |               |                |
| Inlet, Outlet, Drain Connections                                  | 1" BSP (MALE)                                                   |  | 1-1/2" BSP (female)                        |            | 2" BSP (M/F)  | 2.5" BSP (M/F) |
| Pressure gauge connection                                         | 1/4" BSP                                                        |  |                                            |            |               |                |
| Accessories                                                       | Top and bottom disc type strainer,<br>Suction T & foot strainer |  |                                            |            |               |                |
| The rise pipe must have a height (after fitting bottom strainers) | 32 mm pipe: 33 mm above top face of vessel                      |  | 32 mm pipe: 78 mm above top face of vessel |            | N/A           | N/A            |
| Inlet, Outlet, Drain Connections                                  | 1" BSP (M)                                                      |  | 1-1/2" BSP (F)                             |            | 2" BSP (F)    | 2.5" BSP (F)   |
| Regeneration Suction Tubing size                                  | 1/2"                                                            |  | 3/4"                                       |            | 3/4"          | 3/4"           |
| Minimum Pressure for Uniform Suction                              | 3 BAR Pressure                                                  |  |                                            |            |               |                |
| Injector Ratio                                                    | 1:1<br>Power water: Suction flow                                |  |                                            |            |               |                |
| Ejector Suction Rate @ 3 Bar Pressures*                           | 450-500 LPH                                                     |  | 750-850 LPH                                |            | 1000-1100 LPH | 1300-1400 LPH  |

Multi port valve enhances fluid control in diverse applications. Engineered for durability and efficiency, it optimizes flow direction through multiple ports, ensuring reliable performance in fluid systems.