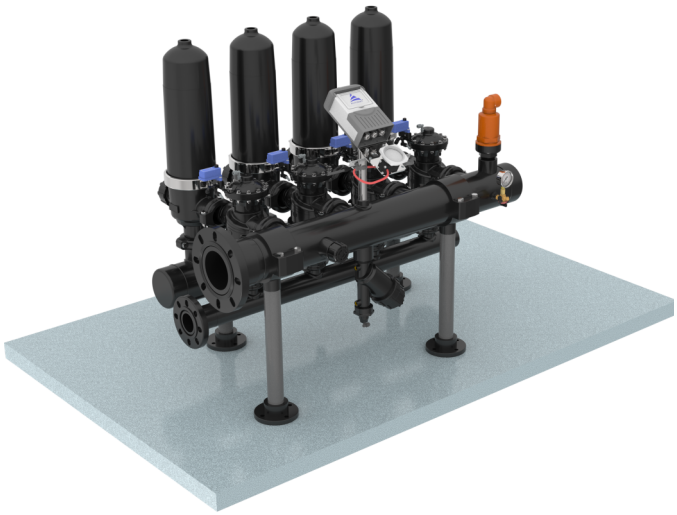
New

# AquaDisc-Automatic Disc Filters

## 3", 4", 6" & 8"

The AquaDisc Fully Automatic Disc Filter is a compact, efficient, and cost-effective solution designed to protect irrigation systems from impurities and prevent emitter clogging. With automated cleaning and minimal water usage during back flushing, this advanced filter system saves time and energy. The integrated "FILTER SMART" controller ensures optimal operation, enhancing system performance and reducing maintenance efforts.



## HIGHLIGHTS

- **Fully Automatic Operation:** Saves time and energy with automatic self cleaning cycles based on pressure differential, time, or manual triggers.
- **Efficient Back Flushing:** Requires less water and time for effective self cleaning of discs.
- **Advanced Control System:** Equipped with the "FILTER SMART" controller for precise and efficient operation.
- **High Filtration Efficiency:** Designed for maximum filtration performance, even in challenging conditions.
- **Modular Manifolds:** Easy to install and expand, adapting to various system needs.
- **Compact Design:** Space-saving and ideal for various irrigation setups.

## APPLICATIONS

- **Agriculture:** Ideal for surface water containing algae and organic matter from reservoirs, rivers, and waste treatment plants.
- **Landscaping & Turf Irrigation:** Perfect for institutional parks, residential complexes, sports fields, and golf courses, ensuring uninterrupted water flow and system efficiency.



# Technical Data

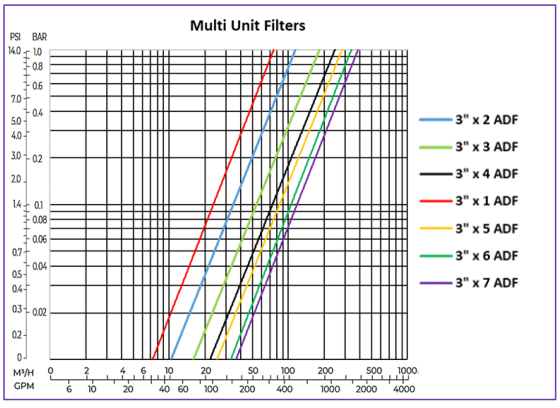
| Filter Model | | Aqua Disc 35 | Aqua Disc 70 | Aqua Disc 105 | Aqua Disc 140 | Aqua Disc 175 | Aqua Disc 210 | Aqua Disc 245 |
|---|---|---|---|---|---|---|---|---|
| | | 3" x 1 Unit | 3" x 2 Units | 3" x 3 Unit | 3" x 4 Units | 3" x 5 Units | 3" x 6 Units | 3" x 7 Units |
| Connection Size (Inlet/Outlet) | Inch | 3 | 4 | | 6 | 6 | 6/8 | 8 |
| | mm | 80 | 100 | | 150 | 150 | 150/200 | 200 |
| Connection Type | | Grooved / Flanged | | | | | | |
| Maximum Recommended Flow Rate* | $M^3$/HR | 35 | 70 | 105 | 140 | 175 | 210 | 245 |
| | GPM | 154 | 308 | 462 | 616 | 770 | 924 | 1078 |
| Maximum Operating Pressure | BAR | 10 | | | | | | |
| | PSI | 145 | | | | | | |
| Minimum Backwash Pressure | BAR | 2 | | | | | | |
| | PSI | 30 | | | | | | |
| Filtration Area | $Cm^2$ | 1620 | 3240 | 4860 | 6480 | 8100 | 9720 | 11340 |
| | $Inch^2$ | 251 | 502 | 753 | 1004 | 1255 | 1506 | 1758 |
| Material of Construction | | All polymeric (PAGF, PPGF, PP, HDPE, NBR/EPDM, PE), St.St. | | | | | | |
| Filtration Degree | Mesh | 80 / 120 / 150 | | | | | | |
| | Microns | 200 / 130 / 100 | | | | | | |
| Maximum Working Temperature (°C / °F) | | 60 / 140 | | | | | | |
| Power Input To Controller | By Power Adaptor | 6V / 12V DC | | | | | | |
| | By Batteries | 6V By 4 x 1.5 "D" Size Alkaline Batteries | | | | | | |
| Flushing Data | | | | | | | | |
| Flush Duration Per Filter | | 30 seconds | | | | | | |
| Flushing Flow Rate at 2 Bar | $M^3$/HR | 12 | | | | | | |
| | GPM | 53 | | | | | | |

*Maximum flow rate depends on the quality of water and filtration degree

# Dimensions

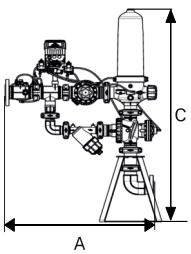
| Dimensions | | Aqua Disc -35 | Aqua Disc -70 | Aqua Disc -105 | Aqua Disc -140 | Aqua Disc -175 | Aqua Disc -210 | Aqua Disc -245 |
|---|---|---|---|---|---|---|---|---|
| | | 3"x1 | 3"x2 | 3"x3 | 3"x4 | 3"x5 | 3"x6 | 3"x7 |
| | | 3"/80mm | 4"/100mm | 4"/100mm | 6"/150mm | 6"/150mm | 6"/150mm & 8"/200mm | 8"/200mm |
| A (Length) | CM | 110 | 73 | 103 | 165 | 195 | 212 | 242 |
| | INCH | 43 | 29 | 41 | 65 | 77 | 83 | 95 |
| B (Width) | CM | 57 | 100 | 100 | 100 | 100 | 105 | 105 |
| | INCH | 22 | 39 | 39 | 39 | 39 | 41 | 41 |
| C (Height) | CM | 156 | 130 | 130 | 128 | 128 | 132 | 132 |
| | INCH | 61 | 51 | 51 | 50 | 50 | 52 | 52 |

# Head loss Chart ( In clean water)

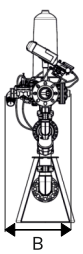



**Single Unit Filter**

Front View

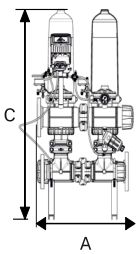



Side View

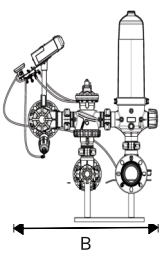



**Multi Unit Filter**

Front View




Side View




Creating a Green World®