



amiad IRRIGATION

### Picking the right filter. Five Leading Questions

- What is the maximum flow available? (GPM, GPH).
- What are the minimum and maximum operating pressures available? (PSI)
- What is the inlet size of the water line?
- What is the filtration requirement of the system? (The protected irrigation device?)
- What is the debris to be filtered out? (sand, algae, sticks, leaves, plants, clams, mussels, etc.)



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### How to choose a filter, by irrigation system.

Irrigation Equipment	Filtration Degree
Drip Tape	80-100 Micron
Drip Tubing (Landscape)	100-130 Micron (Red Screen)
MP Rotators (All Manufactures)	200 Micron (White Screen)
Spray Heads	200 Micron (White Screen)
Rotors Heads (Included Golf Heads)	300 Micron (Blue Screen)
Impact Sprinklers	500 – 300 Micron (500 = Green Screen)

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## Automatic Filters

### Pros

- Can be cleaned without interrupting irrigation
- Some manufacturers offer High Quality 316L Stainless Steel Screen
- Polypropylene or steel housing\*
- Typical sizes 2" – 36"\*
- Fully automated and Optimized cleaning process
- Consistent performance of the irrigation systems
- Some manufacturers offer electronic and/or wireless control with added HMI features
- Flexibility of installation\*

\*Varies depending on the manufacturer



## Manually Operated Filters, Plastic & Steel

### Pros

- Low-Cost Option
- Simple installation and maintenance
- Polypropylene housing for corrosion resistance
- High quality carbon steel housing
- Common Sizes: ¾" – 3" (Plastic) and 2" -8" (Steel)

### Cons

- Time consuming manual cleaning process
- Downtime
- Require constant supervision
- Irrigation interruption



## Effect of clogging

- Severe affects on **Distribution Uniformity**– The systems efficiency and performance.
- High Irrigation system maintenance cost
  - Un-plugged nozzles
  - Replacing irrigation parts
  - Piping blockage.
  - Water leaks.
  - No funiculate valves.
- Lose of costly plant material.
- For landscape applications- Creating a negative visual appearance
- For micro and drip irrigation– can affect manufacture warranty.



## About Amiad

Amiad developed advanced and innovative water filtration solutions of any water system throughout the world, to protect and prevent clogging damage.



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