Proper filtration and clean water are essential to the efficient operation of today’s irrigation systems. Trash, algae, sand, silt and other solid contaminants in source water will lead to plugged emitters, silt deposition in equipment and irrigation lines, inoperative valves, and a significant reduction in overall efficiency. Rain Bird filtration technology can resolve these problems in your system. Rain Bird’s Sand Media Filters provide reliability, efficiency and long-term economy. These filters are designed and manufactured to exacting standards, giving you many years of top performance.

**Filter Tanks**

Rain Bird filter tanks are designed to provide superior safety features. All closures have safety lids that will not pop if over-pressurized. Rain Bird’s 3/16” tank construction is also heavier than average, giving you extra protection against accidental over-pressurization or surge.

**Automatic Valves**

Rain Bird cast valves feature a fusion epoxy lining designed for years of trouble-free service. The valve shaft and seal retainers are noncorrosive stainless steel with durable, molded polyurethane seals. Also, the valves are made with Rain Bird’s exclusive replaceable brass shaft guides and external grease fittings for easy on-site maintenance.

**Stainless Steel Underdrain**

Rain Bird’s underdrain system features a lateral design of high strength, stainless steel wedge wire. It produces minimal pressure drop and will withstand a collapse pressure in excess of 600 PSI. Unlike other manufacturers, Rain Bird does not use plastic underdrain parts or threaded fastener style underdrain assemblies because of their limited durability.

**Automatic Control**

Automatic control makes Rain Bird the most cost-effective choice for your next filtration system. Rain Bird automation packages allow fully unattended operation. All Rain Bird controllers monitor system operation on both pressure differential and elapsed time. Units are available in A/C power, D/C power or solar power for remote application.

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**AGRICULTURAL**

Rain Bird sand media filters will protect your irrigation system from solid contaminants including algae, sand and debris.

**Filtration Process**

- Uniform 14” media bed depth for optimum particle entrapment.
- Filtration achieved through flow from inlet (top) manifold to outlet (bottom) manifold.
- 2-stage inlet diffuser
- High strength, hydraulically balanced Type 304 stainless steel underdrains for thorough backwashing.
- Low pressure drop and even flow dispersion.

**Backwashing Process**

- Rain Bird underdrains require less water for backwashing and require less frequent backwashing.
- Backwashing cleans one tank at a time, so you can continue to irrigate during the backwash cycle.
- The system backwashes with clean filtered water.
- Single valve operation, either manually, semi-automatically or automatically, assures proper backwashing efficiency and sequence.
- Even media bed fluidization ensures total cleaning of the system, while producing a flat, uniform media bed after flushing.
- Rain Bird filtration technology provides reliability, efficiency and long-term economy.
- Rain Bird’s cast valves feature durable fusion epoxy lining, stainless steel trim and molded polyurethane seals.

(continued)
### Sand Media Filter Specifications

#### SM2 Models Include:
- 3/16" carbon steel or 10 gauge stainless steel.
- One 3" drain port on 14", 18", 24" and 30" tanks.
- One 6" drain port on 36" and 48" tanks.
- Welded stainless steel wedge wire underdrain.
- Top Manway: 10" on Carbon Steel or 8" on stainless steel.
- Side Manway: None
- Interior tank coating: None
- Interior manifold coating: None
- Exterior Coating: UV Stabilized Powder Coat (carbon steel only).

#### SM3 Models Include:
- 3/16" carbon steel or 10 gauge stainless steel.
- One 3" drain port on 14", 18", 24" and 30" tanks.
- One 6" drain port on 36" and 48" tanks.
- Threaded and replaceable stainless steel wedge wire with schedule 80 PVC hub.
- Top Manway: 10" on Carbon Steel or 8" on stainless steel.
- Side Manway: None
- Top Manway: 14", 18", 24" tanks: 6" x 8" elliptical.
- 36" and 48" tanks: 11" x 14" elliptical.
- Interior tank coating: Fusion Bonded Epoxy 3M Skotch Kote 134.
- Interior manifold coating: Fusion Bonded Epoxy 3M Skotch Kote 134.
- Exterior Coating: UV Stabilized Powder Coat (carbon steel only).

#### SM4 Model Includes:
- Available in 48" tanks only
- 3/16" carbon steel
- Two 6" drain ports.
- Threaded and replaceable stainless steel wedge wire with schedule 80 PVC hub.
- Top Manway: 10"
- Side Manway: None
- Interior tank coating: Fusion Bonded Epoxy 3M Skotch Kote 134.
- Interior manifold coating: Fusion Bonded Epoxy 3M Skotch Kote 134.
- Exterior Coating: UV Stabilized Powder Coat.

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<th>SM3 Carbon Steel</th>
<th>SM3 Stainless Steel</th>
<th>SM4 Carbon Steel</th>
<th>SM4 Stainless Steel</th>
<th>No. of Tanks</th>
<th>Tank Diam. (in.)</th>
<th>Standard Flow Ranges</th>
<th>Filtration Surface Area</th>
<th>Backwash Flow Rate (per tank)</th>
<th>Media Requirement (cubic feet)</th>
<th>Inlet/Outlet Pipe Size</th>
<th>Backwash Line Pipe Size</th>
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*Contact Rain Bird for drawings or visit www.rainbird.com to download.*