

Automatic HDF Series 2 Disc Filters

Automatic self-cleaning disc filtration equipment with 2" valves and high density polyethylene manifolds.

Max. Flow: 845 gpm (192 m³/h)

Applications

- ❖ Surface and well waters containing both organic (algae) and inorganic materials.
 - Rivers, reservoirs, canals and waste water
- ❖ Well water containing light sand (<3 PPM) and other contaminants.

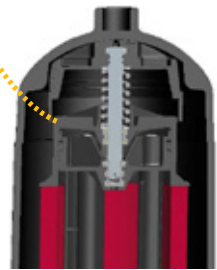
Advantages

- ❖ Rain Bird HDF system's helical action provides efficient cleaning.
- ❖ Maximum filtering surface (231 in²/ 1492 cm²)
- ❖ Manufactured from engineered plastics to resist rust and corrosion from chemicals and water.
- ❖ All units are factory tested prior to shipment.
- ❖ Units are pre-assembled for easy installation.
- ❖ Disc elements provide depth filtration - not just surface filtration.
- ❖ Control Unit functions on pressure differential or time.
- ❖ Manual backflush cycle can be initiated from the controller.
- ❖ Plastic backflush valves are lightweight and corrosion resistant.
- ❖ Low maintenance.
- ❖ Compact design fits in tight spaces.
- ❖ Filtration disc versatility (filtration grade can be easily changed).
 - Standard filtration options:
 - 100 micron (150 mesh)
 - 130 micron (120 mesh)
 - 200 micron (75 mesh)
 - Custom filtration options (available by special request):
 - 400 micron (40 mesh)
 - 50 micron
 - 20 micron



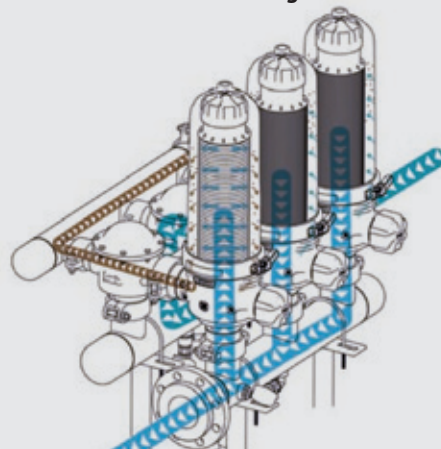
Rain Bird Filtron 110 Control Unit allows backwash activation by time or pressure differential.

Control Units are available in 12 VDC, 110 VAC and 220 VAC.



How It Works

Rain Bird HDF Series 2 systems backwash one station at a time while the remaining elements continue filtering.



FILTRATION STAGE: As water goes through the discs, particles are projected away due to the cyclone effect, reducing the backflushing frequency.

BACKFLUSHING STAGE: Water is projected through the discs, expelling the retained particles and evacuating them through the drainage manifold. The rest of the filters battery continue filtering.

The filtration process restarts when the discs recompress. The backflush process is controlled by the Rain Bird Control Unit.

