



BI Pure Water (Canada) Inc.
Water Purification; Products, Design & Manufacture

Automatic Mini-Filter - Minitwist

"Minitwist" Model MTF is a fully Automatic, Self Cleaning Filtration System for flows of 0-60 US gpm. It removes dirt as fine as 20 microns, and uses very small amounts of water during the cleaning process. In filtration mode, flow is from bottom of filter to inside of screen and out. During cleaning mode, rotating nozzles collect dirt removed from screen by reverse flow, and send it out through the top of the filter.

Advantages:

- Fully automatic filtration system
- Self-cleaning using system water only
- Corrosion resistance materials
- Easy to install. Inlet, Outlet and Drain
- It takes only 5 seconds for backwash
- Water used per backwash: 4-6 gallon
- Easy to open for inspection
- Virtually maintenance free

Typical Applications

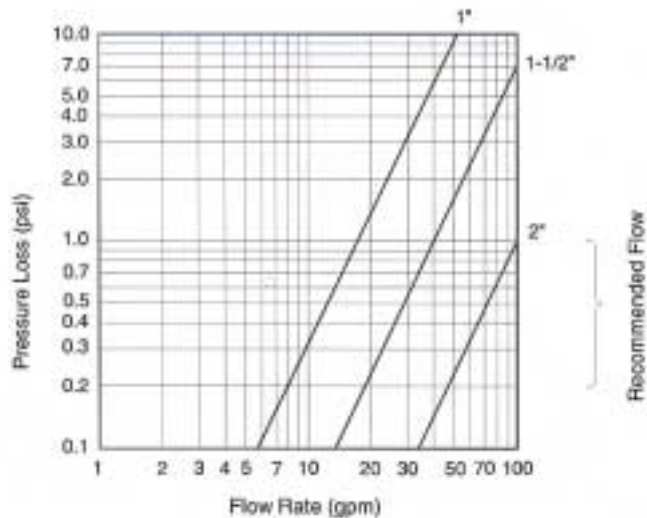
- ⇒ Cooling Systems (Cooling Towers, Chillers)
- ⇒ Turf & Agriculture Irrigation
- ⇒ Spray Nozzle Protection
- ⇒ Bottle & Can Wash
- ⇒ Pump Seal Water
- ⇒ Potable Water
- ⇒ River Water
- ⇒ Car Wash



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TECHNICAL DATA

Sizes:	1", 1-1/2", 2"
Configuration:	Angle
End Connections:	Standard: threaded NPT Option: 2" flanged 150 lbs.
Pressure Rating:	PVC: 7 kg/cm ² (100 psi), S.S.: 10 kg/cm ² (150 psi)
Maximum Temperature:	60oC (140oF)
Materials:	Housing: PVC Collector: PVC Option: CPVC, PP, stainless steel Filter element & trim: Stainless steel
Requirement for Backwash:	30 gpm @ 40 psi
Filtration Grade Available:	20-800 microns (20-600 mesh)
Head Loss (Clean Filter):	with 20 micron element at 14 m ³ /h (60 gpm): 3m (0.5 psi)



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