Step by Step Surface Water Filtration for Irrigation Systems

Raw water enters through the filter's inlet.

Water passes through the coarse screen for removal of large debris and sediment.

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It then passes through the inner fine screen for removal of the remaining smaller particles.

> A differential pressure switch (DPS) monitors the pressure caused by the accumulation of debris on the inner screen and initiates the self-cleaning process when the pressure changes.

The flush valve opens to the atmosphere to create a strong suction force at the scanner nozzles, effectively removing dirt particles from the screen and discharging them from the filter.

> The forced backwash ensures powerful, efficient and complete cleaning of every point in the screen.

After efficient cleaning, the DP returns to its original value, enabling the filter to operate continuously without downtime.





