



BSCCQ Long and Short Full Flow Filter/Strainer Trouble Shooting Guideline

This guide is designed to help trouble shoot some of the most common problems that may arise when using a filter / strainer. For additional information contact Dixon Sanitary

Issue	Potential Reason	Possible Solution
Length of mesh screen split	Pump pulsation is causing the mesh screen to stretch and fold along the length causing fatigue and ultimately failure	Dampen pulsations, or use a different type pump
Mesh screen blown out	Backflushing through mesh screen. Fine wire mesh screens encompass the O.D. of back up tube providing support in one direction only. That support is lost when flow is reversed regardless of the duration.	Protect the system from backflushing with the installation of a Bradford™ check valve
Mesh screens have holes or filter bags are torn	Differential pressures too high	Stop and clean mesh screen or change media at 10 psi Δ P.
Filter bag blown completely through	One of two scenarios has occurred; the filter bag is not closely fitted to the back up tube or a momentary backflow has pushed the filter bag away from the back up tube.	See the manufactures filter bag replacement procedure. Install Bradford™ check valves or pressure relief devises as necessary.
Mesh screen folded or crushed	Backflushing through the screen. Fine wire mesh screens, are wrapped around the O.D. of the back up tube providing support for the designed flow direction. No such support exists to protect the mesh screen in a reverse flow, regardless of the length of time the reverse flow spike exists.	Protect the system from backflushing with the installation of a Bradford™ check valve
The bottom of the mesh screen has damaged mesh wires.	The end cap is missing or not installed properly. For finer mesh screens this end cap supports the mesh against the back up tube, providing support should the system see differential pressure due to clogging. In some cases the end cap is not installed or is installed upside down allowing the screen to fatigue under strain and ultimately give way to pressure.	Install end cap correctly as described in the Full Flow maintenance and installation manual

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