



Continuous BackFlush Screen Changer (CSC/BF)

The Backflush Continuous Screen Changer performs much like the Continuous Screen Changer design. Polymer is divided into two streams, both being filtered in the top and bottom piston. Unlike the CSC design, the backflush unit has two filtration cavities in each piston, allowing for twice the filtration of the comparable sized CSC design. The most unique aspect of the backflush CSC/BF is the capability of “recycling” or “maximizing screen life” while in the melt flow. When upstream pressure rises due to a high contaminant level, the PLC control automatically actuates each piston to its backflush position, allowing pressure to push contaminants off of the dirty screenpack. Contaminants are purged out of ports in the housing, once the backflush sequence takes place, the “recycled” screens are returned to the home position until the sequence takes place again. The number of backflush sequences varies from process to process before a screen change is required; however increased screen life of 25 times or more is common.



Features

- Guaranteed Leak-free operation to 10,000 psi
- Breaker plate open area largest in the industry
- All parts manufactured to ISO-9002 standards
- Rugged design provides resilience to wear
- No seals or contact parts
- Minimum pressure drop
- Continuous operation / no shut down
- Process temperatures to 850°F

Benefits

- Screen life increased as many as 25 times or more.
- Increased output due to lower backpressure.
- Design allows for *less frequent* screen changes without interrupting material flow
- Eliminates line shutdown thus increasing production
- Absence of wear surfaces allows us to provide a five-year warranty against melt leaks.
- No maintenance or seals to replace
- Easier access and less interference for the operator
- Quick delivery time and return on investment

Applications

- Recycling of most all polymers
- Highly contaminated polymers
- Coatings
- Pipe and profile
- Compounding
- Wire and cable
- Underwater pelletizing and strand pelletizing
- Sheet
- Blown film and cast film
- Lab lines
- Textile (fibers and nonwovens)
- Tubing
- EVA, Hot-melt adhesive and PSA
- FPVC, corrosive and degradable materials

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