



Get More from Your Process



## Continuous Screen Changer (CSC)

### Two (2) pocket models

Continuous Screen Changers (CSC) provide uninterrupted filtration of thermoplastic materials. No downtime or related scrap for screen changes, lower average head pressures, and higher daily yield make this screen changer a perfect choice for continuous melt filtration. The low maintenance design has no mechanical seals and will operate leak-free for decades with proper care.

The polymer melt flow is divided into two streams at the housing inlet and is conveyed through two filter pockets, one in each cross-bolt. Each filter pocket and flow channel is designed to accommodate the full throughput of the extruder or upstream equipment during a screen change. Entrained air is efficiently purged through vents before reintroduction of the screen pack.

### Four (4) pocket models

For processes requiring increased filter area or desiring minimal pressure variation during a screen change, a four-pocket CSC continuous screen changer is recommended. The four pocket models reduce average pressure drop and in turn yield greater throughput. During momentary screen change, three screens are retained in flow. PLC stepper control minimizes pressure change at screen reentry and holds any change in flow rate during this process to little or none.

### Features

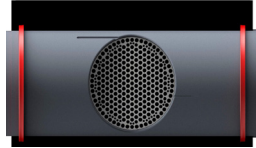
- Bi-flow design for uninterrupted flow
- No mechanical seals – 5-year leak-free guarantee
- No hang-up flow channels for fast material changes
- Oversized hydraulic cylinders
- 2 or 4 screen pocket designs
- Round or oval screen pockets
- Special patented seal for high melt-flow (1,800 MFI) materials
- Low delta-P breaker plates for more output and longer run time between screen changes

# Continuous Screen Changers (CSC)

## Options

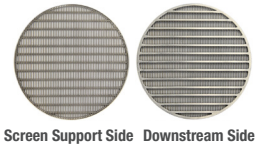
### Low Viscosity Seal

Special patented seal for ultra-low viscosity materials.



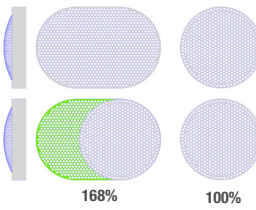
### Super Plates

Super plates for improved screen efficiency.



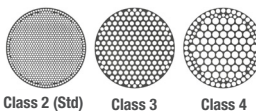
### Oval Breaker Plates

Oval pockets add 65%-68% more filtration area, lower delta-P.



### Low Delta-P

Larger breaker plate holes for pressure drop reduction.



## Additional Options

- Application-specific materials of construction
- Application-specific clearances
- Vertical mount (up to CSC-176)
- Multi-unit operation from a single hydraulic power unit
- Internal fluid heat/cool
- High temperature to 850°F [454°C]
- Special heater voltage
- Cart mounted Hydraulic Power Unit

## Accessories

- PLC controls
- Hydraulic Power Unit
- Support cart
- Adaptors
- Heat zone control
- Hot oil temperature control units

## Technical

Specifications	Standard
Temperature°F [°C]	Up to 650 [343]
Max oper. pressure PSI [bar]	Max. 7,500 [517]
Control zones (housing)	One (1) or Two (2)
Heating	Electric

Round Screen Model	Max. Throughput*		Screen Diameter		Filter Area	
	Lbs/Hr	Kg/Hr	Inches	mm	Inches <sup>2</sup>	cm <sup>2</sup>
CSC-058	375	170	2.3	58.3	2 x 4.1	2 x 26.7
CSC-076	650	295	3	76.3	2 x 7.1	2 x 45.7
CSC-096	1,000	455	3.8	96.3	2 x 11.3	2 x 72.8
CSC-116	1,500	680	4.6	116.3	2 x 16.5	2 x 106.2
CSC-125	1,800	825	4.9	125.3	2 x 19.1	2 x 123.3
CSC-148	2,400	1,090	5.8	148.3	2 x 26.8	2 x 172.7
CSC-176	3,500	1,590	6.9	176.3	2 x 37.8	2 x 244.1
CSC-200	4,500	2,040	7.9	200.4	2 x 48.9	2 x 315.4
CSC-230	6,000	2,720	9.1	230.3	2 x 64.6	2 x 416.5
CSC-250	9,500	4,310	9.9	250.3	2 x 76.3	2 x 492.0
CSC-300	10,500	4,750	11.8	300.3	2 x 109.8	2 x 708.3

Oval Screen Model	Max. Throughput*		Screen Oval		Filter Area	
	Lbs/Hr	Kg/Hr	Inches	mm	Inches <sup>2</sup>	cm <sup>2</sup>
CSC-125/195	2,400	1,090	4.92 x 7.67	125 x 195	2 x 32.6	2 x 210.2
CSC-148/230	3,300	1,500	5.71 x 9.06	148 x 230	2 x 45.5	2 x 293.4
CSC-176/270	5,700	2,585	6.87 x 10.63	175 x 270	2 x 63.1	2 x 406.8
CSC-200/300	9,700	4,400	7.87 x 11.81	197 x 300	2 x 79.7	2 x 514.1
CSC-230/310	13,200	5,990	9.06 x 12.20	230 x 310	2 x 92.9	2 x 599.5
CSC-250/345	22,000	9,980	9.84 x 13.58	250 x 345	2 x 112.9	2 x 728.3

\* Throughput rates are estimates and are subject to material, viscosity, pressure, and filtration level. Throughput rates are shown during screen change with one (1) filter offline. For four-pocket models, multiply the throughput rate shown by three (3).



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