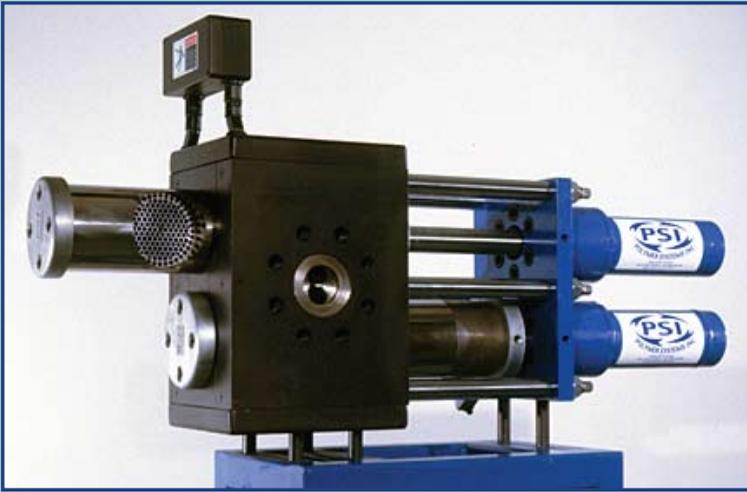




# Continuous Screen Changer (CSC)

"All PSI products and components are proudly designed and manufactured in the USA."



## Features Include

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

The Continuous Screen Changer allows for filtration of most all polymers without interrupting production during a screen change. The Continuous Screen Changer consists of two screen bolts with each containing a filter cavity. When a screen change is required, one of the bolts is moved out of the housing while the other remains in the operating position. The dirty screen pack is removed and replaced with a new one. The bolt is then moved back into the housing to its venting stages before resuming operation. These steps are then repeated for the other bolt. This concept allows for continuous filtration with no interruption or loss of production. PSI Continuous Screen Changers can be designed to withstand extremely high pressure applications. PSI guarantees leak-free operation up to 10,000 psi.

## Benefits

Design allows for a screen change 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

Turn-key systems available

No maintenance or seals to replace

Filters out contaminants

Easier access and less interference for the operator

Quick delivery time

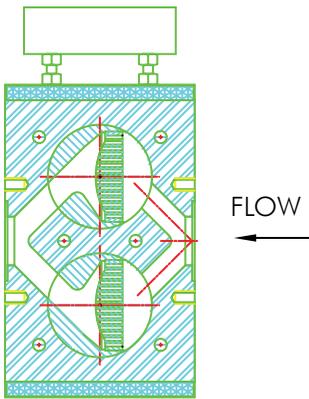
## Applications

- Sheet
- Coating
- Pipe and profile
- Compounding
- Wire and cable
- Tubing
- Lab lines
- Textiles (fibers and nonwovens)
- EVA, hot melt adhesive and PSA
- Pelletizing (strand and underwater)
- Recycling of most all polymers
- Highly contaminated polymers
- Blown film and cast film
- Degradable materials

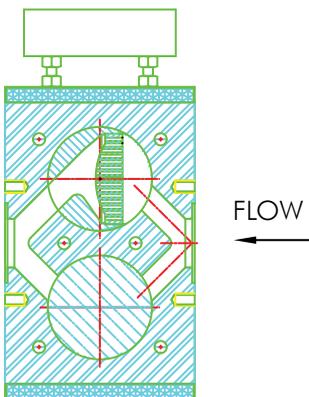
# Technical Data

Model CSC	Extruder Output (lbs/hr)   (kg/hr)	Screen Diameter (in)   (mm)	Filter Area (in <sup>2</sup> )   (cm <sup>2</sup> )	Weight (lbs)   (kg)
058	100-375   45-170	2.30   58.3	2 x 4.12   2 x 26.58	320   145
076	250-650   110-295	3.00   76.3	2 x 7.07   2 x 45.61	425   193
096	425-1,000   190-455	3.79   96.3	2 x 11.28   2 x 72.77	410   185
116	600-1,500   270-680	4.58   116.3	2 x 16.47   2 x 106.26	775   352
125	800-2,000   360-910	4.93   125.3	2 x 19.09   2 x 123.16	1,100   499
148	1,000-2,400   455-1,090	5.84   148.3	2 x 26.76   2 x 172.64	1,450   658
176	1,400-3,500   635-1,590	6.94   176.3	2 x 37.83   2 x 244.06	2,050   930
200	1,750-4,500   795-2,040	7.89   200.3	2 x 48.73   2 x 314.39	3,030   1,374
230	2,250-6,000   1,020-2,720	9.07   230.3	2 x 64.53   2 x 416.32	4,200   1,905
250	5,250-9,500   2,380-4,310	9.85   250.3	2 x 76.08   2 x 490.84	5,700   2,586
300	8,800-19,500   3,990-8,845	11.82   300.3	2 x 109.56   2 x 706.84	8,900   4,037

For larger sizes and special applications contact our PSI sales office



Normal Production Position  
Flow Through Both Screen Packs

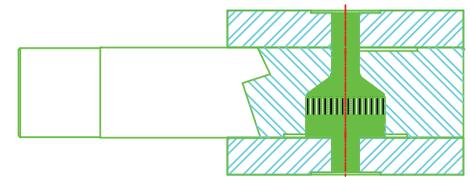


Screen Change Position  
Flow Through One Screen Pack

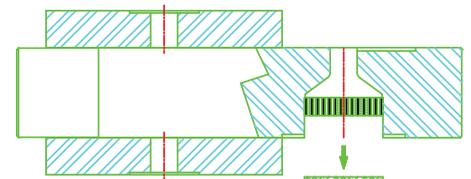
The PSI Polymer Systems Continuous Screen Changer is designed for the continuous filtration of thermoplastic materials. The melt flow is divided into two streams at the housing inlet and is conveyed through each of two breaker plates and screen packs. By means of an additional super plate, 92% of the screen surface is useable for filtration.

Each breaker plate and flow channel is designed to accommodate the full throughput of the extruder or upstream equipment. When a screen change is required, one screen bolt is moved out of the housing by activating the corresponding hydraulic cylinder.

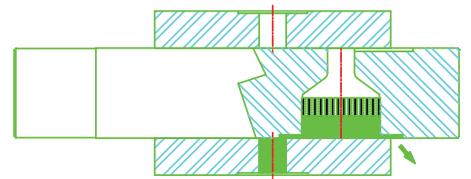
The entire flow is transitioned through one screen pack. The contaminated screen pack is then replaced with a clean one, and then the screen bolt is moved back into the housing to the venting positions. After the air is removed, the bolt is moved to the operating position. This procedure is repeated with the second screen bolt.



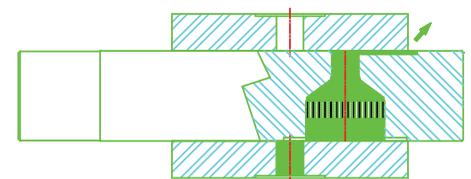
Operating Position



Screen Change Position



Front Venting Position



Back Venting Position