



Get More from Your Process



Discontinuous Screen Changer (DSC)

The Discontinuous Screen Changer (DSC) provides convenient, easy batch melt filtration for polymer and hot melt adhesive operations. The design features a single filter pocket machined into a cross-bolt. Shifted offline only for momentary screen change, the easy-to-clean filter pocket has no hang-up areas and features a streamlined flow channel for fast material or color changes without cross-contamination. The self-sealing design has no mechanical parts to wear out or replace. Maintenance is reduced to periodic cleaning of the cross-bolt.

An optional patented seal insert allows the Discontinuous Screen Changer to filter materials with viscosities as low as 10 centipoise / 1800 MFI (up to 525°F 270°C) without risk of leakage. The design can also accommodate an integral divert for batch operation startup or changeover.

Features

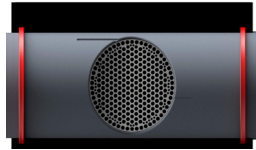
- Single filter pocket
- Self-sealing cross-bolt design – 5-year leak-free guarantee
- Mechanical stop for accurate positioning
- No cross-contamination for color changes
- Large, robust hydraulic cylinder for added shift assurance
- Hand-held pendant control
- Fully guarded for operator safety – Screen change side includes an electrical interlock
- Insulated top and bottom covers for operator safety

Discontinuous Screen Changers (DSC)

Options

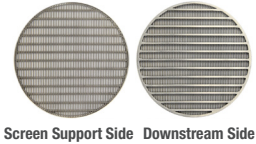
Low Viscosity Seal

Special patented seal for ultra-low viscosity materials.



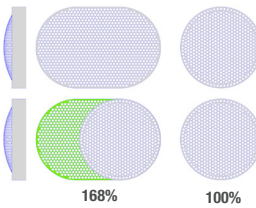
Super Plates

Super plates for improved screen efficiency.



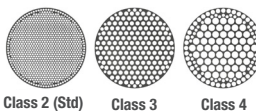
Oval Breaker Plates

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



Low Delta-P

Larger breaker plate holes for pressure drop reduction.



Additional Options

- Application-specific materials of construction
- Application-specific clearances
- Vertical orientation (up to DSC-230)
- Internal fluid heat/cool
- Plating
- Hydraulic cylinder proximity sensors or linear transducer
- Integrated divert position
- High-pressure, low delta-P breaker plates

Accessories

- Hydraulic Power Unit
- Support cart
- Manual hand-held pendant
- Drip tray to capture drool material
- Adaptors

Technical

Specifications	Standard
Temperature°F [°C]	Up to 600 [315]
Max oper. pressure PSI [bar]	Max. 7,500 [517]
Control zones (housing)	One (1)
Heating	Electric

DSC - Round Screen Pockets

Model	Max Extruder Thruput		Screen Diameter		Filter Area		Heater kW	Weight	
	Lbs/Hr	Kg/Hr	Inches	mm	Inches ²	cm ²		lbs	kgs
DSC-058	375	170	2.3	58.3	4.1	26.7	2.0	150	68
DSC-076	650	300	3.0	76.3	7.1	45.7	4.0	267	121
DSC-096	1,000	450	3.8	96.3	11.3	72.8	4.0	267	121
DSC-116	1,500	675	4.6	116.3	16.5	106.2	6.0	415	188
DSC-125	1,800	825	4.9	125.3	19.1	123.3	6.0	477	216
DSC-148	2,400	1,100	5.8	148.3	26.8	172.7	12.0	1325	601
DSC-176	3,500	1,600	6.9	176.3	37.8	244.1	12.0	1335	605
DSC-200	4,500	2,050	7.9	200.4	48.9	315.4	24.0	2025	918
DSC-230	6,000	2,700	9.1	230.3	64.6	416.5	24.0	2912	1321
DSC-250	7,200	3250	9.9	250.3	76.3	492.0	24.0	3250	1474

DSC - Oval Screen Pockets

Model	Max Extruder Thruput		Screen Diameter		Filter Area		Heater kW	Weight	
	Lbs/Hr	Kg/Hr	Inches	mm	Inches ²	cm ²		lbs	kgs
125/170	2500	1090	4.92 x 6.69	125 x 170	27.7	179.0	6.0	850	385
148/230	4000	1500	5.71 x 9.06	145 x 230	44.7	288.4	12.0	1,325	601
176/270	5800	2585	6.87 x 10.63	175 x 270	63.1	406.8	18.0	1,090	494
200/300	7300	4400	7.87 x 11.81	197 x 300	79.7	514.1	24.0	2,695	1222
230/310	9500	5990	9.06 x 12.20	230 x 310	92.9	599.5	24.0	3,580	1624
250/345	12000	9980	9.84 x 13.58	250 x 345	112.9	728.3	24.0	3,580	1624



Main Office:
PSI-Polymer Systems, Inc.
1703 Pineview Street SE
Conover, NC 28613
United States

Contact Us:
www.psi-polymersystems.com
sales@psi-polymersystems.com
service@psi-polymersystems.com
Ph: USA 1.828.468.2600

European Sales Office:
PSI-Polymer Systems Europe, GmbH
Friedrich-Ebert-Str. 11
DE 74177 Bad Friedrichshall, Germany
HTS code: 8477900020

