



Discontinuous Screen Changer (DSC) Discontinuous Screen Changer Oval (DSCO)

"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
- Rugged design provides resilience to wear
- No seals or contact parts
- Minimum pressure drop
- Allows processing of materials up to 650° F

PSI manufactures Discontinuous Screen Changers for processes that can endure a very short interruption of the melt flow. Its compact design permits simple adaptation and flexible installation. The screen change procedure is performed when the extruder is stopped. The DSC is an automated alternative to the Manual Screen Changer or In-line filtration. PSI Discontinuous Screen Changers can be designed to allow the extruder screw to be pulled through the screen changer without removal. PSI guarantees leak-free operation up to 10,000 psi and 650° F.

Benefits

Oval filter has substantially larger filtration area

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

- Most polymers
- Wire and cable
- Pelletizing (strand and underwater)
- Sheet
- Tubing
- High pressure
- Coating
- Lab lines
- Blown film and cast film
- Pipe and profile
- Textiles (fibers and nonwovens)
- Degradable materials
- Compounding
- EVA, hot melt adhesive and PSA

Technical Data For Discontinuous Screen Changer

Model DSC	Extruder Output (lbs/hr) (kg/hr)	Screen Diameter (in) (mm)	Filter Area (in ²) (cm ²)	Weight (lbs) (kg)
058	100-375 45-170	2.30 58.3	4.12 26.58	150 68
076	250-650 113-295	3.00 76.3	7.07 45.61	220 100
096	425-1,000 193-454	3.79 96.3	11.28 72.77	215 98
116	600-1,500 272-680	4.58 116.3	16.47 106.26	415 188
125	800-2,000 363-907	4.93 125.3	19.09 123.16	400 181
148	1,000-2,400 454-1,089	5.84 148.3	26.76 172.64	625 283
176	1,400-3,500 635-1,588	6.94 176.3	37.83 244.06	825 374
200	1,750-4,500 794-2,041	7.89 200.3	48.73 314.39	950 431
230	2,250-6,000 1,021-2,722	9.07 230.3	64.53 416.32	1,050 476

For larger sizes and special applications contact our PSI sales office

Technical Data For Discontinuous Screen Changer Oval

Model DSCO	Extruder Output (lbs/hr) (kg/hr)	Screen Diameter (in) (mm)	Filter Area (in ²) (cm ²)	Weight (lbs) (kg)
170	950-2,400 431-1,089	4.93 x 6.69 125 x 170	27.74 179.00	715 324
230	1,550-3,300 703-1,497	5.71 x 9.07 145 x 230	44.70 288.40	1,260 572
270	2,400-5,700 1,089-2,585	6.87 x 10.63 175 x 270	63.05 406.77	1,685 764
300	5,300-9,700 2,404-4,400	7.88 x 11.81 197 x 300	79.69 514.12	2,250 1,021
310	6,600-13,200 2,994-5,987	9.07 x 12.20 230 x 310	92.92 599.50	3,175 1,440
345	8,800-22,000 3,992-9,979	9.84 x 13.58 250 x 345	112.89 728.32	5,240 2,377

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