



Hydraulic Screen Changer (HSC)

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



Features Include

- Patented #7,147,744 B2 pressure activated seal
- Seal design eliminates hang-up areas
- All seal parts - 4140 heat treated steel
- Breaker plate open area largest in the industry
- Rugged, tight-fitting, tamper proof guards
- Industry standard interface connections
- Slide Plate heater wires flex away from poly
- One or three zones of temperature control
- Process temperatures from 100° F - 700° F

The PSI Hydraulic Screen Changer allows for filtration of most polymers with minimum disruption during a screen change. PSI Hydraulic Screen Changers feature a patented pressure activated seal that not only seals to 10,000 psi, it eliminates degradation and gels caused in other slide plate type screen changers. PSI Hydraulic Screen Changers are designed to withstand extreme temperatures and filter highly sensitive compounds. Unit can be supplied with either one or three heat zones.

Benefits

- Patented seal eliminates degradation and gels
- Seals never need replacing - no maintenance
- Many parts interchangeable with other makes
- Guards are truly safe protecting operator from mechanical and burn injury
- Slide plate heater design means less maintenance
- Design meets most applications without costly options
- Improvements equate to lower installed and operating costs

Applications

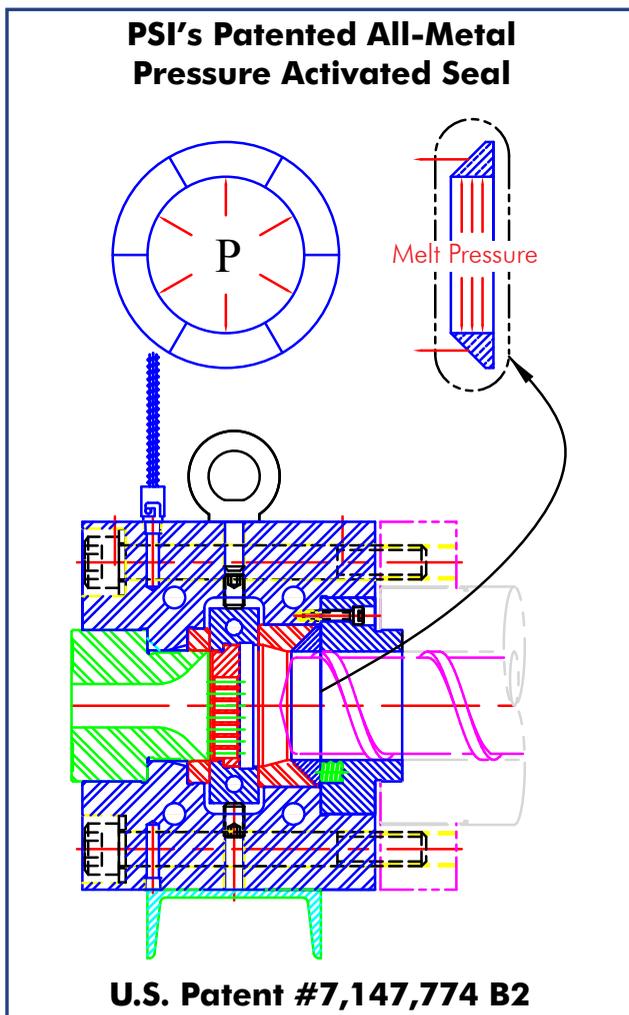
- Sheet
- Coating
- Pipe and profile
- Compounding
- Tubing
- Lab lines
- Wire and cable
- Pelletizing (strand and underwater)
- EVA, hot melt adhesive and PSA
- Blown film and cast film
- Most polymers

Technical Data

Model HSC	Extruder Output (lbs/hr) (kg/hr)	Heater KW		Screen Diameter (in) (mm)	Screw Pull Through (in) (mm)	Weight (lbs) (kg)
		Body	Slideplate			
25	100-500 45-227	2.6	0.3	2.88 73.0	2.5 65	270 123
35	300-800 136-363	3.8	0.6	3.94 100.0	3.5 90	385 175
45	500-1,200 227-544	5.6	0.8	5.19 131.8	4.5 120	560 254
60	1,000-3,000 454-1,361	8.0	0.8	6.56 166.7	6 150	775 352
65	1,200-3,500 544-1,588	8.0	0.8	7.06 179.4	6.5 160	775 352
80	1,500-5,000 680-2,268	8.0	1.0	8.69 220.7	8 200	1,650 749
100	3,000-10,000 1,361-4,536	20.0	4.0	10.13 257.2	10 250	3,240 1,470

For larger sizes and special applications contact our PSI sales office

Advantages of Using PSI's Hydraulic Screen Changer



Patented All-Metal Seal

- Made with 4140 tool grade steel
- No wear and no maintenance
- No hang up areas means no polymer degradation
- No process or temperature limitations

Truly Safe Guards

- Polymer spray proof
- Interlocked to Category 3 safety
- Easy to use yet rugged

Slide Plate Heating

- Wires flex away from polymer environment
- Only one temperature control is required for the entire screen changer (3-zone heat control available)

Other Features

- All metric threads for global acceptance
- Industry standard interface connections that are interchangeable with other makes
- Extruder screws can be pulled through the screen changer without removal from the extruder