

Slide plate screen changer

Slide plate screen changer introduction:

Slide plate screen changer is hydraulic extrusion screen changer suitable for processing a wide variety of thermoplastics on applications ranging from sophisticated multiple layer thin film extrusion to the heavy demands of recycling, and includes single plate screen changers for extruder with two screen stations, single plate screen changers with four filter blocks, and double plate continuous screen changer.

1) Single-plate hydraulic screen changer with double working position:

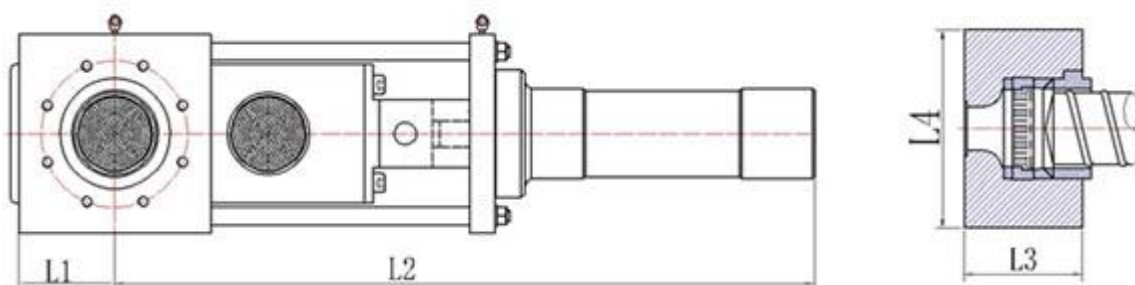
Product introduction:

- ◆ This series [plate hydraulic screen changer](#) use overall structure with small dimension and short flow channel. It can be used with kinds of standard extruders.
- ◆ Adopt pressure-driven sealing system design. Sealing gap can be compensated automatically. It can meet any polymer high production capacity with no stop and leakage.
- ◆ Screen changing process can complete in 2 seconds with pressure accumulator.
- ◆ At the condition of 25-30Mpa pressure and high temperature 300°C, it can work well.
- ◆ Filtration area diameter range $\varnothing 50$ - $\varnothing 360$ mm
- ◆ It can be used for sheet, plate, pipe, film, blown film, wire, cable, profile, granulation and most of thermoplastic materials.

Pictures, drawings and technical data:



ZB-SSP-A series single plate screen changers for extruder:



Melt Pumps:



Screen Changers:



Loss in Weight Feeders:

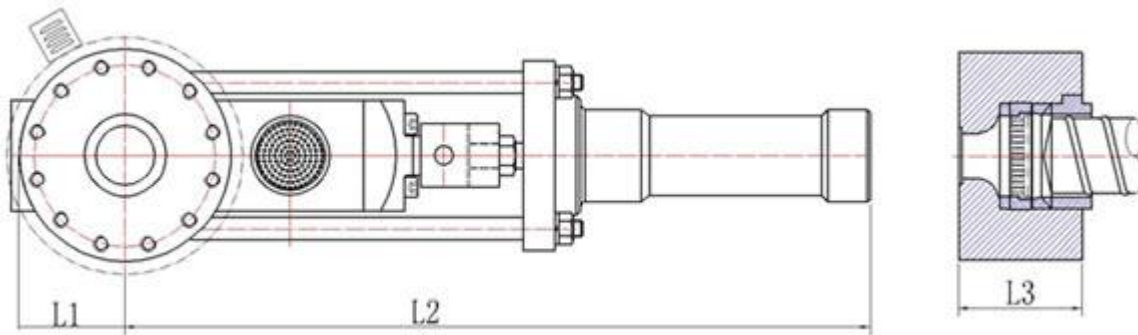


Control Systems:



Type	Output Kg/h	Size (mm)				Screen size		Heating tube	
		L1	L2	L3	L4	Φ(mm)	cm ²	V	KW
ZB-SSP-A-70	75~200	100	715	170	240	Φ70	38	230/400	3.5/5.8
ZB-SSP-A-100	130~350	110	815	185	280	Φ100	78	230/400	4.5/6.8
ZB-SSP-A-120	200~550	130	880	205	320	Φ120	113	230/400	5.2/7.2
ZB-SSP-A-150	350~800	150	990	235	360	Φ150	176	230/400	6.5/8.5
ZB-SSP-A-180	450~1250	160	1035	245	360	Φ180	254	230/400	7.6/9.5
ZB-SSP-A-200	550~1500	180	1155	280	420	Φ200	314	230/400	8.5/11
ZB-SSP-A-250	800~2500	225	1260	300	430	Φ250	490	230/400	9.5/12
ZB-SSP-A-300	1200~3500	260	1440	380	500	Φ300	706	230/400	11.5/15.5
ZB-SSP-A-320	1500~4000	300	1660	400	560	Φ320	803	230/400	13/17.5

ZB-SSP-B series single plate screen changers for extruder:



Type	Output Kg/h	Size (mm)			Screen size		Heating tube	
		L1	L2	L3	Φ(mm)	cm ²	V	KW
ZB-SSP-B-70	75~200	115	715	170	Φ70	38	230/400	3.5/5.8
ZB-SSP-B-100	130~350	135	815	185	Φ100	78	230/400	4.5/6.8
ZB-SSP-B-120	200~550	150	880	205	Φ120	113	230/400	5.2/7.2
ZB-SSP-B-150	350~800	170	995	235	Φ150	176	230/400	6.5/8.5
ZB-SSP-B-180	450~1250	185	1120	245	Φ180	254	230/400	7.6/9.5
ZB-SSP-B-200	550~1500	225	1255	280	Φ200	314	230/400	8.5/11
ZB-SSP-B-250	800~2500	260	1325	300	Φ250	490	230/400	9.5/12
ZB-SSP-B-300	1200~3500	285	1470	380	Φ300	706	230/400	11.5/15.5
ZB-SSP-B-320	1500~4000	300	1660	400	Φ320	803	230/400	13/17.5

2) Single plate hydraulic screen changer with four separate filter block:

Product introduction and applications:

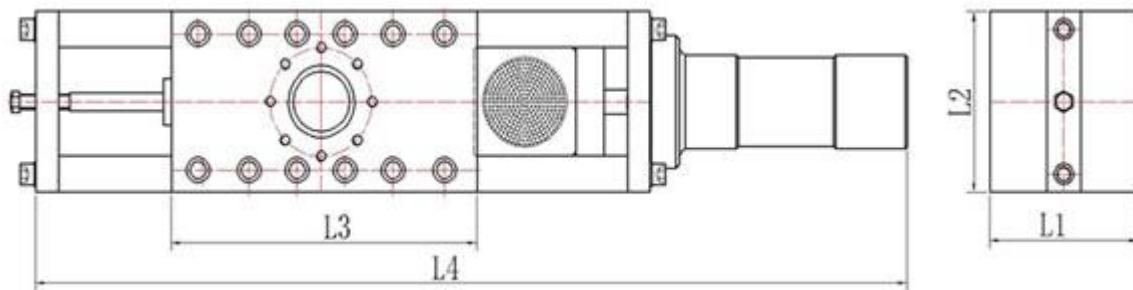
- ◆ It consists of filter body and four separate filter blocks. Filter blocks work by turns.
- ◆ Small fluctuation of pressure in process can keep production continuous and stable.
- ◆ With filter plate preheat and exhaust, it can keep pressure, flow and temperature stable. It is especially for high transparency and precision products.
- ◆ It can change filter plate with no leakage, no damage film, no break thread, no stop.
- ◆ Filter plates move in one-way, work independently, easy to clean.
- ◆ It can be used for granulation, pipe, plate, sheet, EPE, EPS pearl wool, xps extruded sheet, PVB bursting disk, space plate, squeeze net, BOPET/BOPP, chemical fibers. In PE, PP, drawbench, PEP, EPS production lines, the effect is stable and remarkable. Improved products can meet drawbench of PET and other polyester products.



Principle of operation:

The below of drawing shows the basic function and specification of the single plate type four working station hydraulic screen changer. The four pieces of square shape filter plate are placed between inlet and outlet. The hydraulic station will supply the necessary power to push each screen move to the working station with proper movement. The stainless filter holes will smoothly move into the flow channel without causing much fluctuation and meantime realize self-cleaning function.

Pictures, drawings and technical data:



Type	Output Kg/h	Size (mm)				Screen size		Heating tube	
		L1	L2	L3	L4	Φ(mm)	cm ²	V	KW
ZB-FSP-70	50~250	170	240	270	850	Φ70	38	230/400	3.2
ZB-FSP-100	220~480	200	280	375	1000	Φ100	78	230/400	4.8
ZB-FSP-120	320~600	240	320	435	1150	Φ120	113	230/400	6.0
ZB-FSP-150	420~900	260	320	525	1400	Φ150	176	230/400	7.2
ZB-FSP-200	500~1100	280	380	700	1750	Φ200	314	230/400	8.2

3) Double plate continuous hydraulic screen changer with double working positions:

Product introduction and advantages:

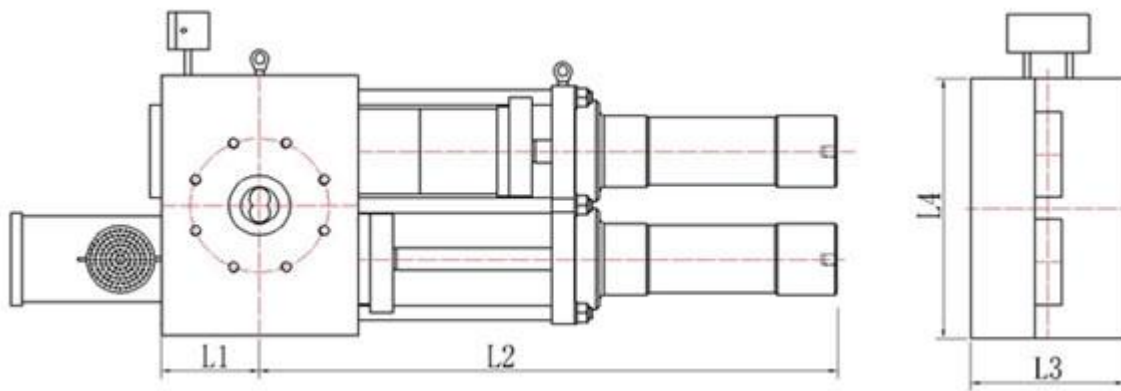
- ◆ This screen changers for extruder realize non stop screen changing operation by two pillar with double filtering areas.
- ◆ Designed lead material exhaust structure, during changing screen with material flow no stop, and then realize no stop changing screen.



- ◆ Suitable for most polymer extruded production.
- ◆ During changing screen with no stop production, it cannot cause fluctuation to extruders.
- ◆ It can work well in 25-30Mpa pressure condition.
- ◆ It is used for chemical, blown film, flat film, cast film, pipe, plate, wire, fiber, cutting line, recycling and so on.

- ◆ Simple operation, simple screen changing, and continuous working.
- ◆ Easy maintenance, leak-free processing, endures precise processing, high product quality and reduced waste materials.

Pictures, drawings and technical data:



Type	Output Kg/h	Size (mm)				Screen size		Heating tube		
		L1	L2	L3	L4	Φ(mm)	cm ²	Quantity	V	KW
ZB-DSP-80	110~300	140	775	220	330	Φ80	50×2	6	230/400	1.2/1.7
ZB-DSP-100	180~500	170	895	250	400	Φ100	78×2	6	230/400	1.6/2.0
ZB-DSP-120	350~800	200	1005	310	470	Φ120	113×2	6	230/400	2.0/2.4
ZB-DSP-150	450~1200	245	1170	350	560	Φ150	176×2	6	230/400	2.4/3.0
ZB-DSP-180	500~1500	290	1335	440	600	Φ180	254×2	6	230/400	4.0/4.8
ZB-DSP-200	800~2500	320	1455	450	670	Φ200	314×2	8	230/400	4.5/5.3
ZB-DSP-250	1100~3700	395	1760	490	760	Φ250	490×2	8	230/400	5.0/6.0



Batte Main Products

Melt Pump Series:

- ★ [ZB-B standard extrusion melt pump](#)
- ★ [ZB-C reinforced melt pump for extrusion](#)
- ★ [ZB-D gear pumps for pipeline](#)
- ★ [ZB-E pressurized melt pump](#)
- ★ [ZB-F melt pump for reactor](#)
- ★ [ZB-H high pressure extruder pump](#)
- ★ [ZB-K polymer discharge gear pump](#)
- ★ [ZB-R extrusion rubber pump](#)

- ★ [RS double shaft rubber gear pump](#)
- ★ [ZB-U spinning pump](#)
- ★ [ZB-W chemical metering melt pump](#)
- ★ [ZB-X gear metering chemical pump](#)
- ★ [New type melt pump](#)
- ★ [Melt pump spare parts](#)
- ★ [PID control system for extruder](#)
- ★ [PLC control system for extrusion line](#)
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Screen Changer Series:

- ★ [Manual screen changer](#)
- ★ [Slide plate screen changer](#)
- ★ [Continuous piston screen changer](#)
- ★ [Continuous backflush screen changer](#)
- ★ [Automatic belt screen changer](#)
- ★ [Pelletizer filter without wire mesh](#)
- ★ [Screen changer spare parts](#)
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(For granule, sheet, powder, liquid, etc.)

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- ★ [Volumetric screw feeder](#)
- ★ [Liquid polymer feed system](#)
- ★ [Multi-component gravimetric feeders](#)
- ★ [Gravimetric feeder control system](#)
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