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Goodee
Excellent extrusion 古迪

Screen Changer
Series

过滤器系列



JCTIMES 精诚 **Goodee**
Excellent extrusion 古迪

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Goodee
Excellent extrusion 古迪

古迪系列过滤器系统，经国内外专家多年潜心研究，在精密熔体过滤方面，更适合高水平的自动化挤出生产线，是专为国内外高端客户研发的精密级换网过滤产品。该系列产品在挤塑工艺中有广泛应用，具有生产过程连续不间断，高耐压，换网过程无压力波动的显著优点。

Goodee screen changer system is designed for high precision plastic products. It is based on many experts' research and it fits for the high precision filtration. Goodee screen changer has a wide use in the plastic extrusion process. It enables continual production without shutdown and with high pressure resistance. And there is no pressure fluctuation during screen changing.



制造过程跟踪服务 / Super service

订单确认之后，我们专业的技术团队将持续跟进客户需求，随时完善工艺、调整产品进度，以丰富的制造经验和先进的软件确保每一件作品的完美品质。

After order is confirmed, our experienced technical team will promote the process and adjust the production schedule according to customers' requests. Through their rich manufacturing experience and advanced software, all of our products will be ensured perfect quality.

材料的选用和生产方式的优化 / Optimization of steel and production mode

壳体是换网器的最大和中心部件，可以承受800 Bar的压力，钢材的表面硬度可以达到HRC60-65，且钢材都是高质量的氮化钢，经氮化处理后，效果相当好。

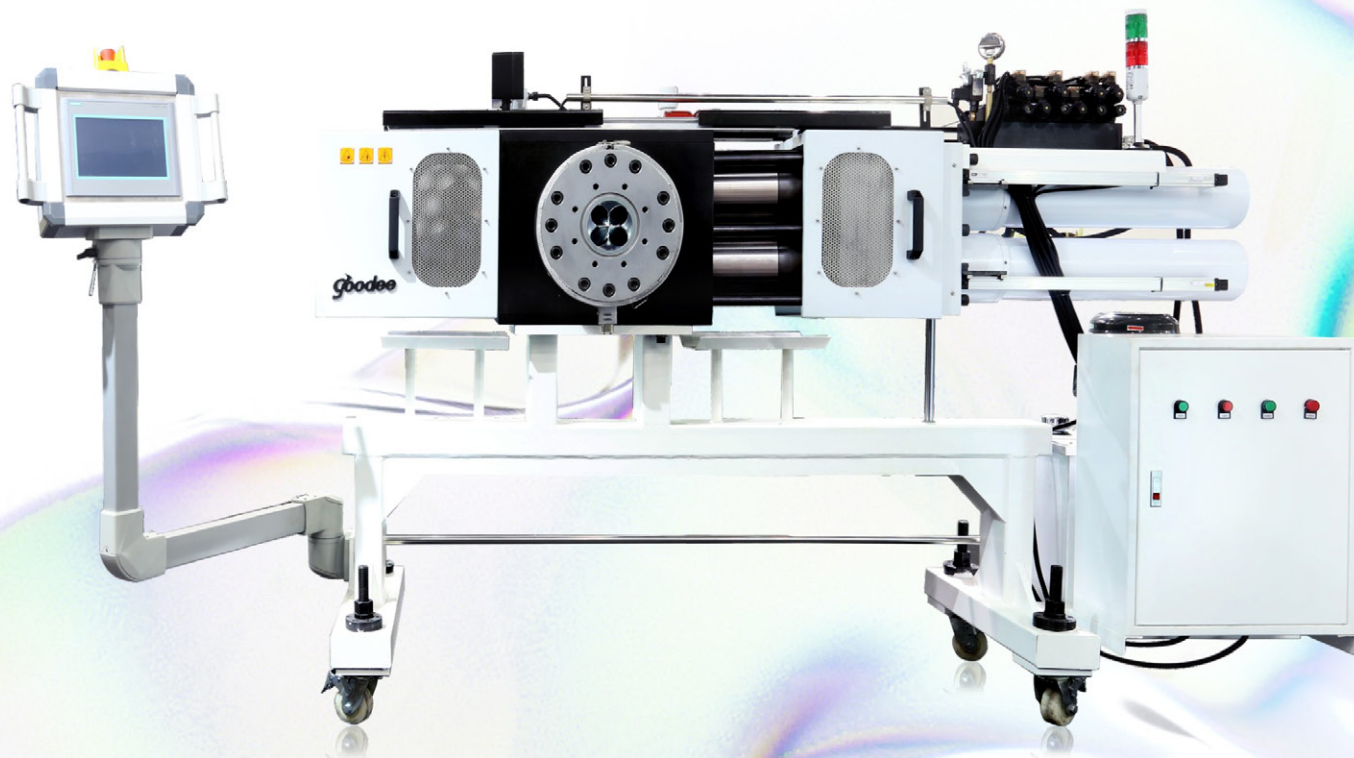
The housing is the largest and central part of the screen changer. It can bear 800 bar pressure. The hardness of the steel surface is HRC60-65. Our steel is with Nitrogen treatment, it has a very good effect.

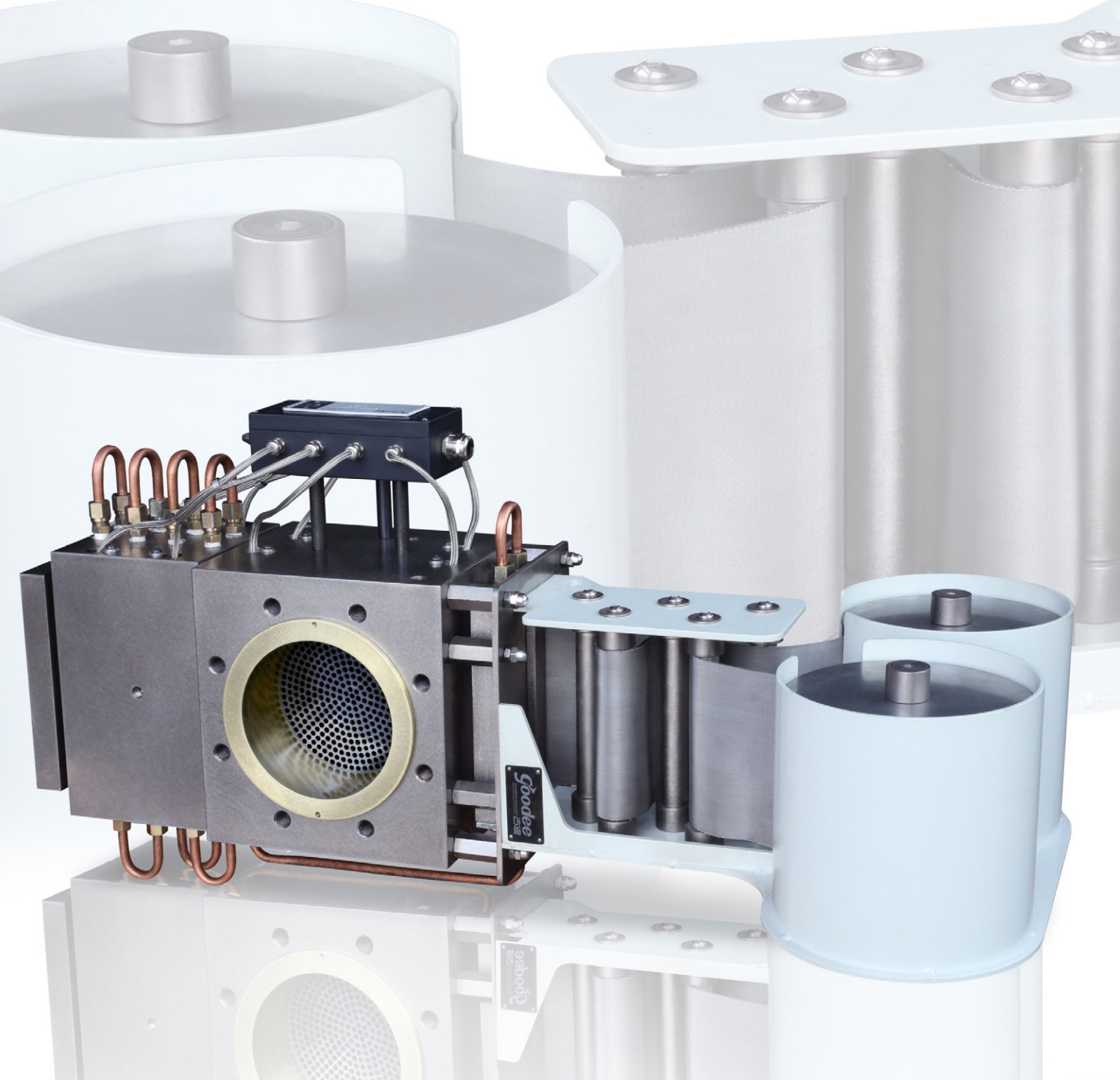


过滤器系列 / Screen Changer Series

古迪机械，中国精诚时代集团下属全资子公司，以二十年平模头的制造经验为依托，以塑料挤出生产线优化设计为起点，在配套设备的研发设计与制造领域不断创新，致力于为客户提供高质量的服务。产品囊括计量泵、化学泵、高端过滤器等。

Goodee Machinery Co., Ltd., as the wholly-owned subsidiary of JCTIMES Group, is dedicated to research and development of extrusion line auxiliary equipment, based on 20-years extrusion die manufacturing experience, aiming to promote the whole extrusion line design. The products include gear pump, chemical pump and screen changer.

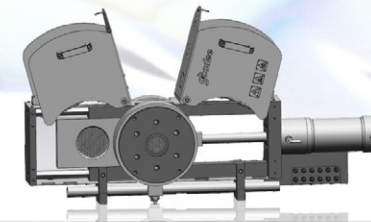




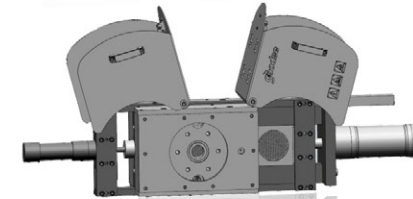
定制化生产 / Tailor-made production

产品系列：板式过滤器，柱式过滤器，反冲洗过滤器，自动走带式过滤器，手动式过滤器等系列产品。我们根据不同领域应用及客户特殊需求，针对性提供过滤器系列产品的定制设计，为整条生产线的效益提升创造价值。

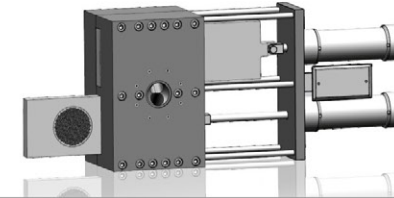
The series include: Slide plate screen changer, pillar screen changer, back-flush screen changer, automated control band screen changer and manual control screen changer. We will provide customized design according to special customer request from different application fields.



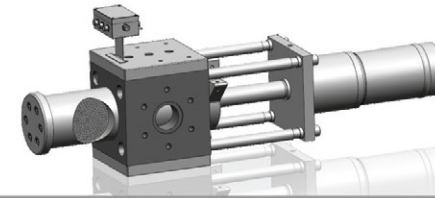
Single slide plate type double-working station screen changer
单板双工位液压过滤器



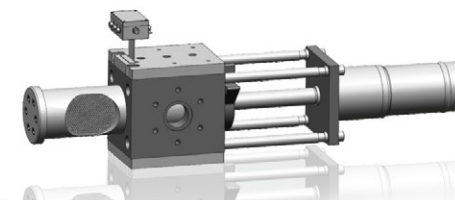
Single slide plate type four working station screen changer
单板四工位液压换网过滤器



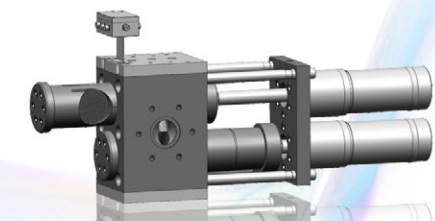
Double slide plate type double-working station screen changer
双板双工位液压换网过滤器



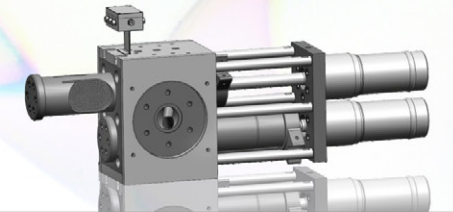
Single pillar single working station A type discontinuous working screen changer
单柱单工位A型非连续过滤器



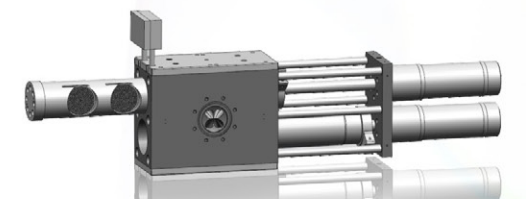
Single pillar single working station B type discontinuous working screen changer
单柱单工位B型非连续过滤器



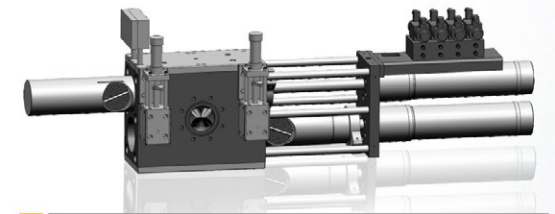
Double pillar double working station A type screen changer
双柱双工位A型过滤器



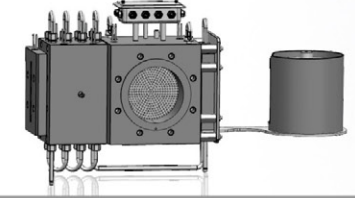
Double pillar double working station B type screen changer
双柱双工位B型过滤器



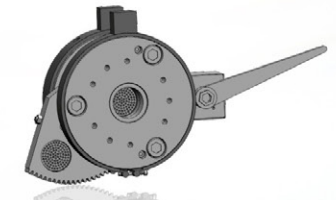
Double pillar type four working station continual screen changer
双柱四工位连续过滤器



Double pillar type four working station back flush continual working screen changer
双柱四工位反冲洗连续过滤器



Automatic control band type continual working screen changer
自动走带式连续过滤器

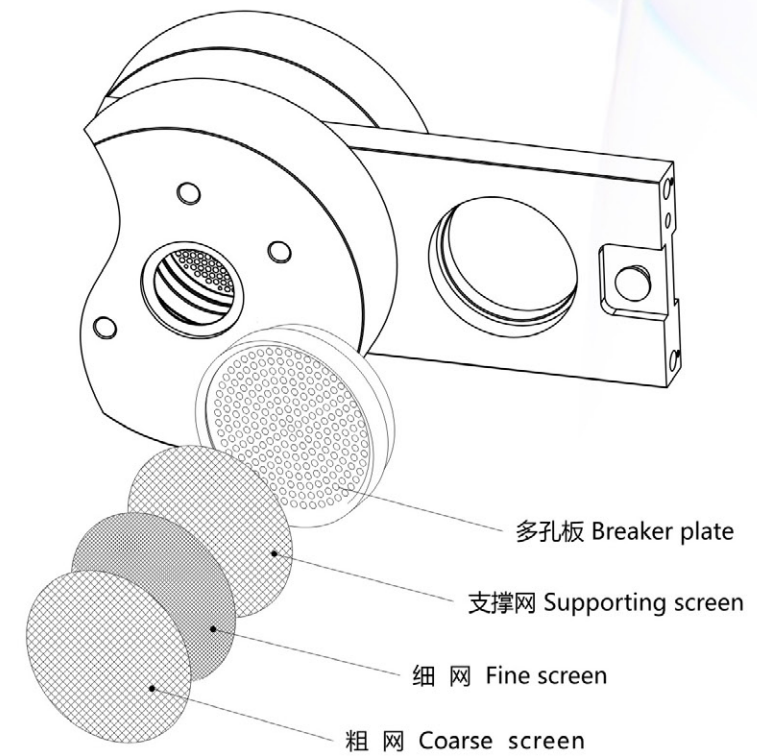


Manual control screen changer
手动式换网过滤器

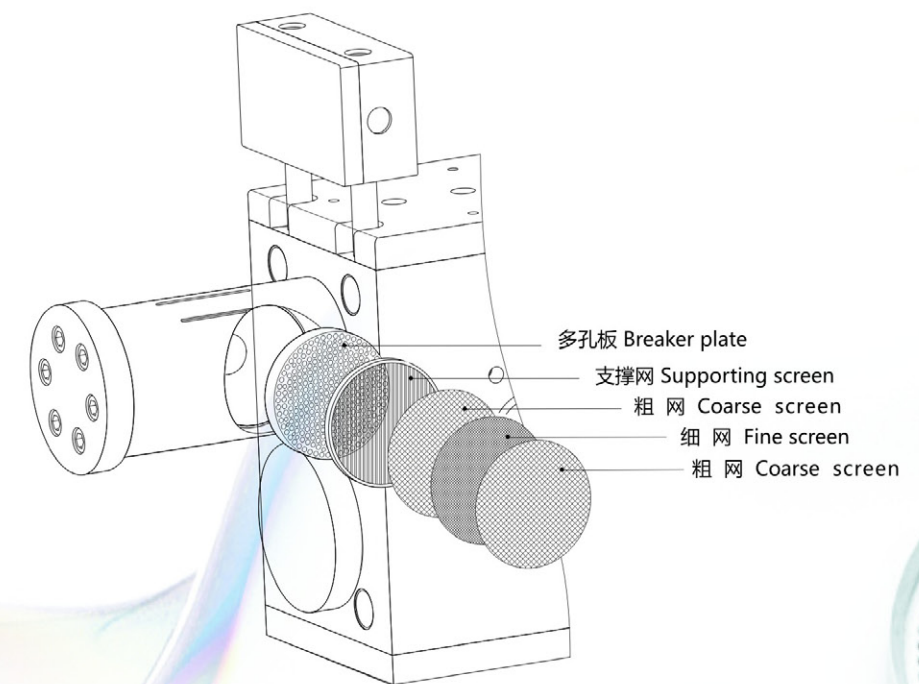


Customization
根据客户需求定制

板式换网过滤器 / Slide Plate Type Screen Changer



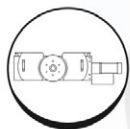
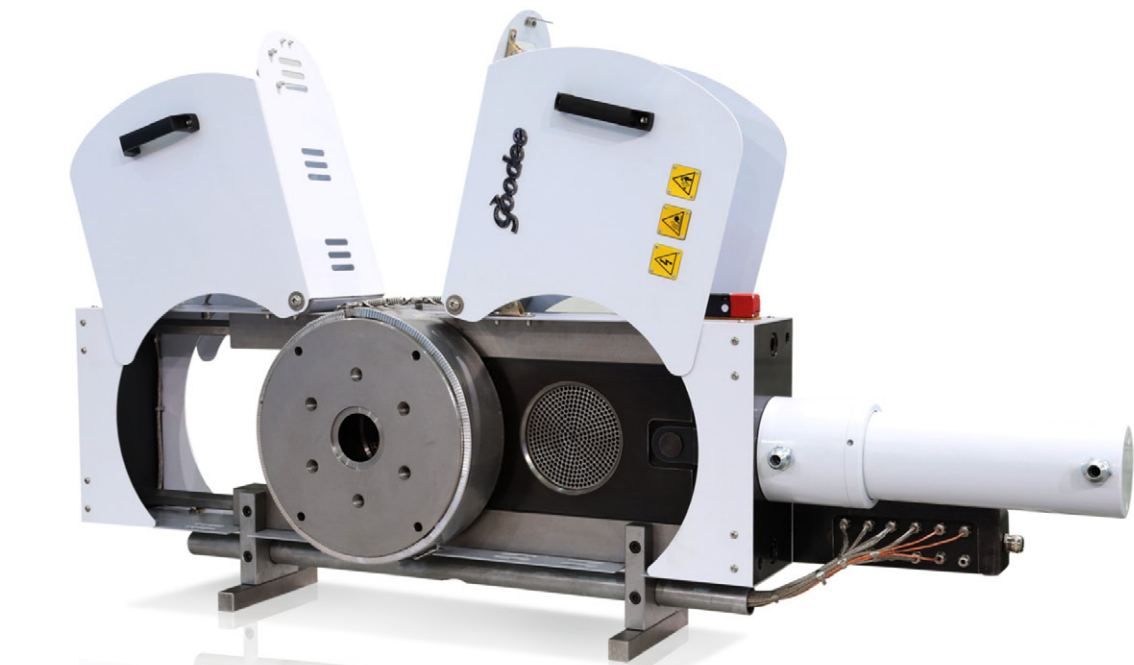
柱式换网过滤器 / Pillar Type Screen Changer



精密过滤技术 / Precision filtration technology

过滤技术通过过滤组件，将流体中的硬颗粒和化学物滤除的技术。不锈钢滤网是过滤组件的重要组成部分。滤网组（多层）以多孔板为骨架，由低目数网片做支撑，再外放置高目数滤网片（目数需结合具体工艺及物料特性来确定），最后在最外侧再铺置低目数网片做为防护。

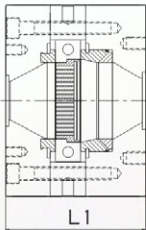
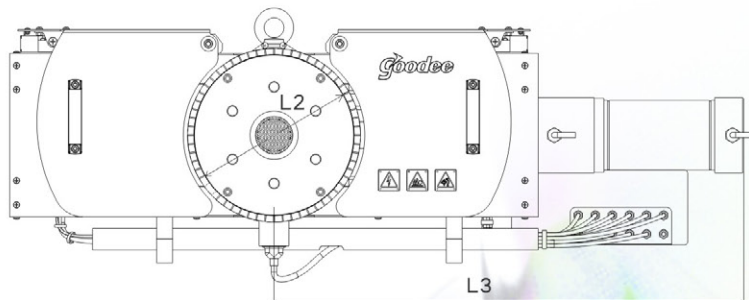
Through filtering components, impurities will be filtered out from melt. The core part is stainless screen system, including breaker plate, supporting screen, fine screen with smaller mesh number and coarse screen with larger mesh number. The mesh number of screen is determined by specific process and material properties.



单板双工位液压过滤器

Single slide plate type double-working station screen changer

- ◆ 采用柔性密封装置，可以满足任何聚合物的高挤出量生产，与不同标准的挤出机配合使用。
- ◆ 双工位快速换网时间≤2秒，过滤直径从φ70-φ450 任选。
- ◆ 高耐磨、高耐压、高精度的滤网设计，提高了过滤的有效面积及过滤的质量。
- ◆ 在压力25Mpa，温度300℃以下的情况下，不会影响其使用性能。
- ◆ Flexible sealing device is adopted, which can meet the high output demand of all kinds of polymers, and cater for various extruders with different standards.
- ◆ Screen changing time is within 2 seconds and screening area covers from φ70-φ300 .
- ◆ With highly precise design , the screen has very good abrasive resisting, high pressure performance , so as to ensure large effective filtering area and enhance filtering effects.
- ◆ It works well stably under the high temperature of 300℃ and high pressure of 25Mpa .



产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size			滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	直径φ(mm)	面积 (cm²)		电压 Voltage (v)	总功率 Total power (kw)
GD-SSP-C-70	75-200	205	Φ230	715	φ70	38	180	230/400	4.9
GD-SSP-C-100	130-350	220	Φ270	815	φ100	78	230	230/400	5.8
GD-SSP-C-120	190-500	220	Φ300	715	φ120	113	265	230/400	6.9
GD-SSP-C-150	350-880	250	Φ340	995	φ150	176	335	230/400	8.5
GD-SSP-C-180	450-1250	265	Φ390	1120	φ180	254	450	230/400	10.9
GD-SSP-C-200	550-1500	295	Φ450	1245	φ200	314	680	230/400	15.3
GD-SSP-C-250	800-2500	320	Φ520	1325	φ250	490	960	230/400	17.6
GD-SSP-C-300	1200-3500	340	Φ570	1470	φ300	706	1160	230/400	20.4
GD-SSP-C-450	2200-5300	500	Φ855	2300	φ450	1590	1600	230/400	40.6



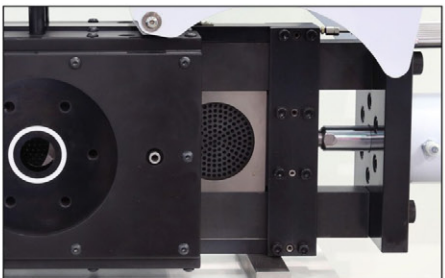
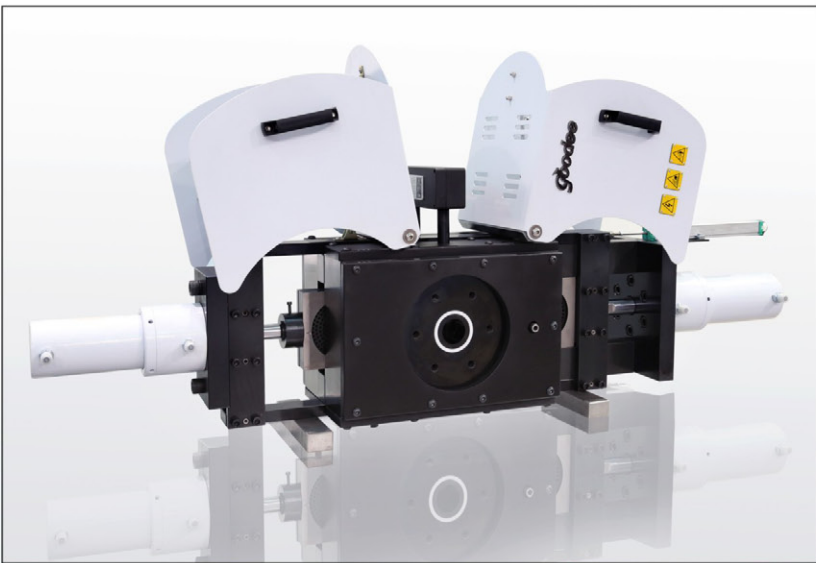
单板四工位液压换网过滤器

Single slide plate type four working station screen changer

独家推出单板四工位过滤器，对于热敏性材料的加工过滤具有革命性的意义。

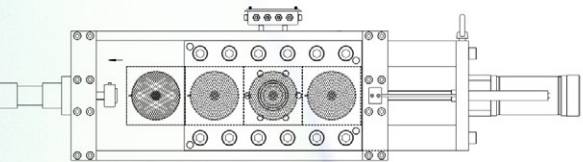
The unique single-plate type four working station hydraulic screen changer has revolutionary improvement to heat-sensitive material filtration.

- ◆ 独到的设计和工作原理在便捷灵敏的工作状态中，实现换网的连续性和无波动，特别适合pvc等热敏性材料。
- ◆ 优势在于换网前的预填料功能，通过四个独立的工位和排气孔装置，使准备工作的网板在正式进入主流道后，排除物料中夹杂的空气，减少废品率。
- ◆ 推出多种规格型号，满足各种挤出机加工需求，或根据客户的需求定制。
- ◆ The unique design is the best choice for heat sensitive material . It will supply a constancy and non wave screen changing solution.
- ◆ The pre-pack function is realized by four separated working station and venting system. Before getting into the main flow , it will remove the air in the material and decrease the reject rate.
- ◆ Various models are to be selected for different types of extruders,or customized.



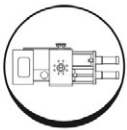
工作原理：

用于塑料挤出系统熔体过滤的网板循环式净化装置（见附图）。其方形过滤网盘为4件，置于进料端机体与出料端机体之间，相互之间依序排列。在网板运送框架总成的作用下，通过驱动装置的工作，使过滤网盘依次可进入工作位置。其上开有的镶嵌不锈钢滤网片的过滤孔将顺次通过进、出料端机体上的溶体融腔，实现新旧过滤通道的进给式更换。满足熔体不间断净化的目的。基本特征在于：进、出料端机体与过滤网盘紧密贴合。



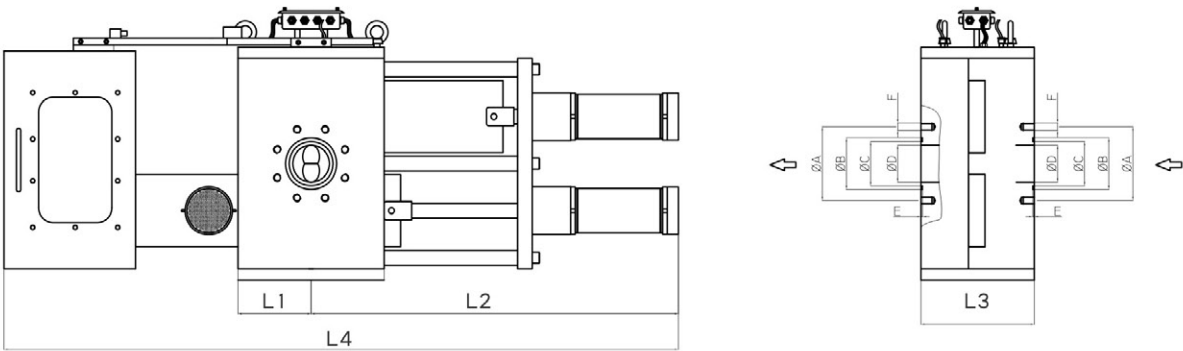
Principle of operation:

The below 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 moving to the working station with proper movement. The stainless filter holes will smoothly move into flow channel without causing much fluctuation and meantime realize self cleaning function.

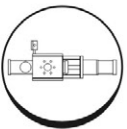


双板双工位过滤器

Double slide plate type double-working station screen changer

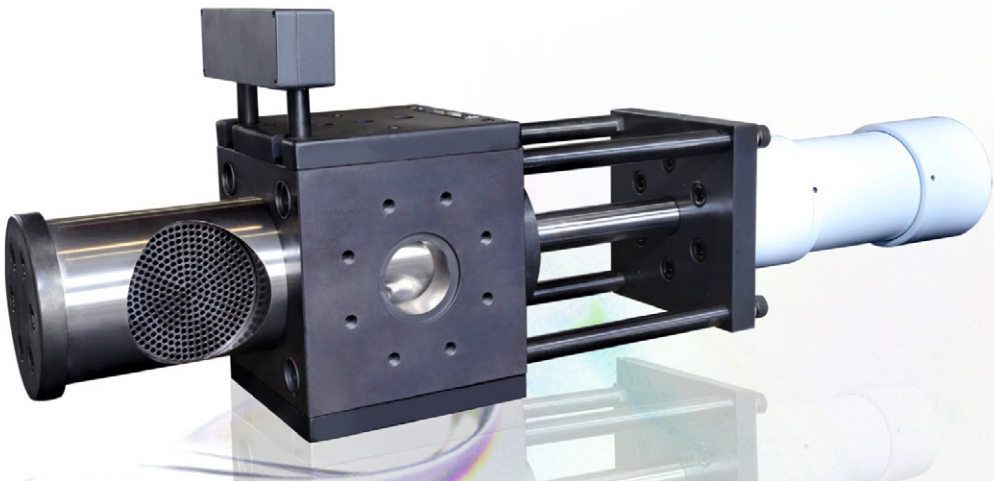


产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size				滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	L4	直径φ(mm)	面积 (cm ²)		电压 Voltage (v)	总功率 Total power (kw)
GD-DSP-080	110-300	140	1015	220	490	80	2*50	270	230/400	9.6
GD-DSP-100	180-500	170	1055	250	570	100	2*78	450	230/400	12.8
GD-DSP-120	350-800	200	1185	310	660	120	2*113	680	230/400	16
GD-DSP-150	450-1250	245	1330	350	780	150	2*177	1200	230/400	24
GD-DSP-180	550-1500	290	1505	400	900	180	2*254	1700	230/400	32
GD-DSP-200	800-2500	320	1615	450	980	200	2*314	2400	230/400	54
GD-DSP-250	1400-3700	395	1940	450	1180	250	2*490	3200	230/400	60
GD-DSP-300	2500-5000	470	2690	500	1380	300	2*706	4700	230/400	90.4



单柱单工位 A / B 型非连续过滤器

Single pillar single working station A / B type discontinuous working screen changer

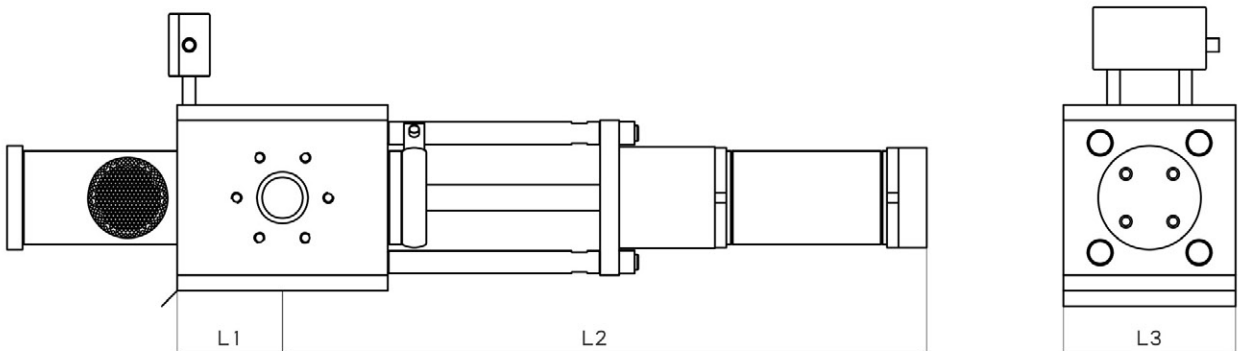


单柱单工位A/B型过滤器适用于无需经常换网的工艺。换网时，需停机操作。A型与B型的滤网形状不同，前者是圆形网，后者是椭圆形网，增大了有效的过滤面积，提升产能。客户可根据实际情况定制。

This series screen changer is suitable for the production process, during which there is no necessity to change the mesh frequently. While it needs to shut down the production during changing screen. The difference between A and B is the shape of screen. For A type, it is circle and for B, it is oval, which can increase the capacity with larger filtering area.

单柱单工位A型非连续过滤器

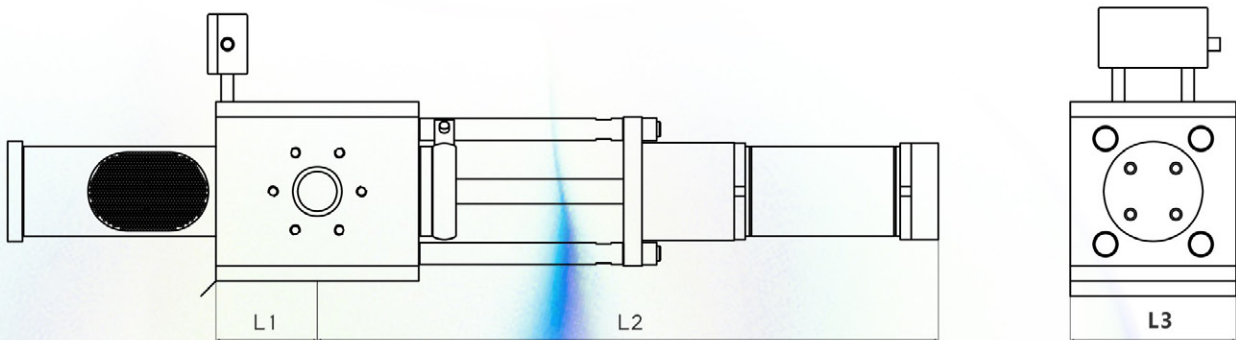
Single pillar single working station A type discontinuous working screen changer



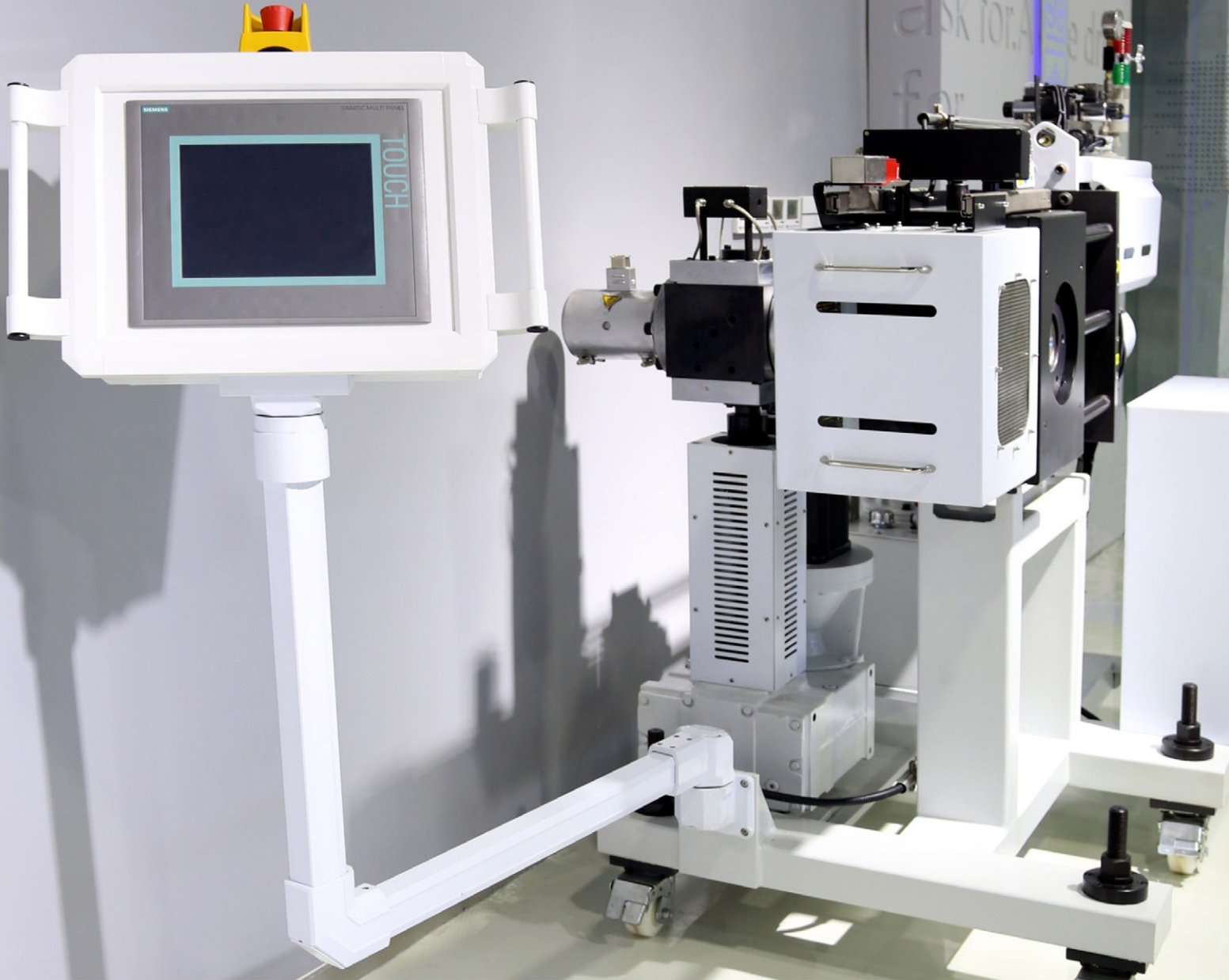
产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size			滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	直径φ(mm)	面积 (cm ²)		电压 Voltage (v)	总功率 Total power (kw)
GD-SP-A-100	50-150	100	748	180	80	50	130	230/400	2.4
GD-SP-A-120	100-260	110	833	210	100	78	145	230/400	3.0
GD-SP-A-145	200-380	125	935	240	125	123	190	230/400	3.6
GD-SP-A-170	290-600	135	983	260	150	177	480	230/400	4.0
GD-SP-A-195	400-820	150	1055	300	175	240	600	230/400	4.4
GD-SP-A-220	600-1300	160	1111	330	200	314	850	230/400	9.6
GD-SP-A-250	800-2800	180	1215	380	230	415	1150	230/400	10.4

单柱单工位B型非连续过滤器

Single pillar single working station B type discontinuous working screen changer



产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size			滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	直径φ(mm)	面积 (cm ²)		电压 Voltage (v)	总功率 Total power (kw)
GD-SP-B-120	180-450	130	935	210	100*145	124	210	230/400	3.6
GD-SP-B-145	280-600	145	1048	240	125*170	179	260	230/400	4.4
GD-SP-B-170	600-1300	182	1207	260	150*230	296	470	230/400	5.2
GD-SP-B-195	790-2500	200	1298	300	175*270	406	650	230/400	5.6
GD-SP-B-220	990-3500	215	1373	330	200*300	514	1000	230/400	10.8
GD-SP-B-250	1570-4600	220	1428	380	230*310	600	1300	230/400	12.8

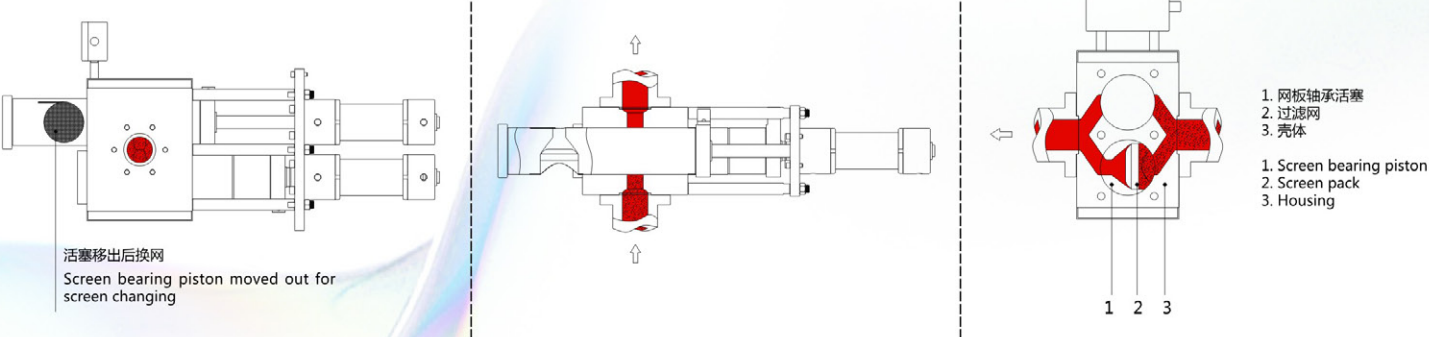
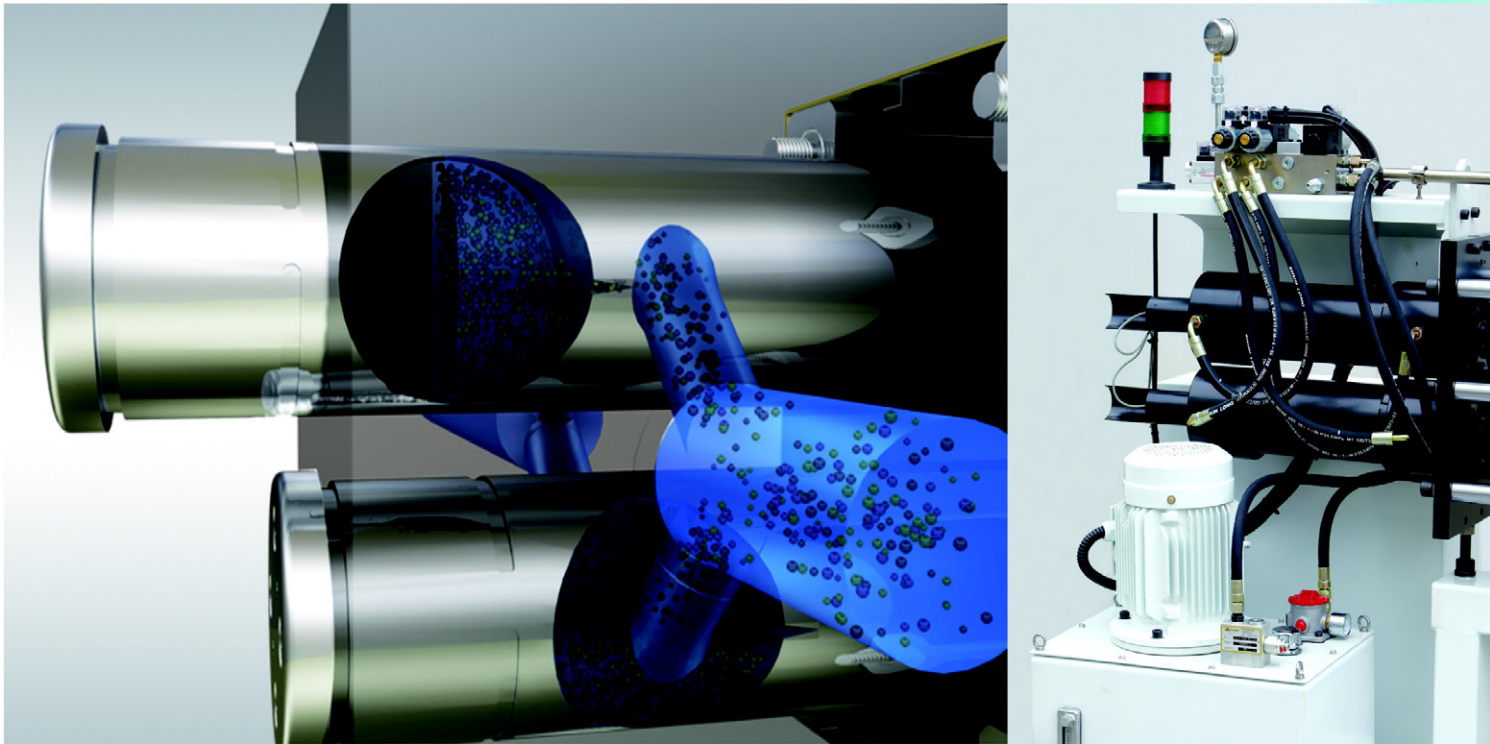


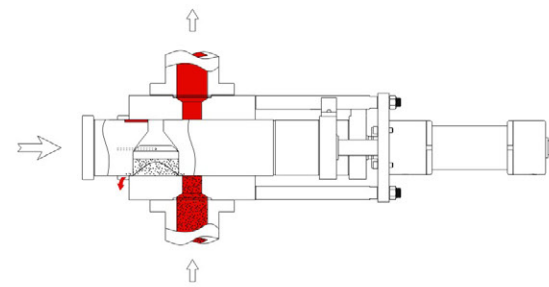
双柱双工位过滤器
Double pillar double working station screen changer

- ◆ 具有较大的过滤面积，适合不同物料、不同工艺特性的挤出生产。
 - ◆ 具有良好的密封特性。
 - ◆ 先进的设计理念及高精度加工质量与其配合使用的排气控制系统，共同体现了该系列换网器过滤+排气的最大特性。
 - ◆ 规格80~250mm标准配置，以及其他特殊尺寸的加工。
 - ◆ 外置屏罩，安全美观。
 - ◆ 整个系统设计合理，操作方便，效果优良。
- ◆ Large filtering area, is suitable for almost all processes and materials.
- ◆ Unique sealing system ensures perfect sealing effect.
- ◆ Advanced designing and precise manufacturing, along with delicate gas exhausting system, realizes its dual functions of filtering and gas exhausting.
- ◆ Standard specification, size from 80mm to 250mm and special design upon customer's request is also available.
- ◆ Outer cover designed, brings the machine good appearance and safe operation.
- ◆ The whole system boasts very reasonable design, easy operation and perfect performance.

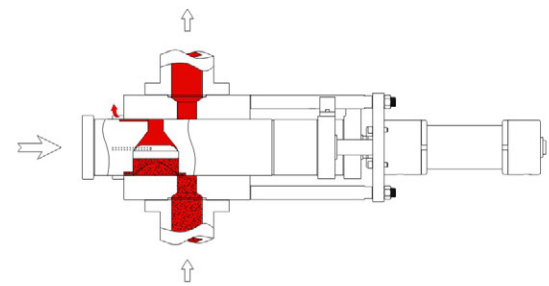
活塞移出后换网
Screen bearing piston moved out for screen changing

- ◆ 网板轴承活塞
Screen bearing piston
- ◆ 过滤网
Screen pack
- ◆ 壳体
Housing

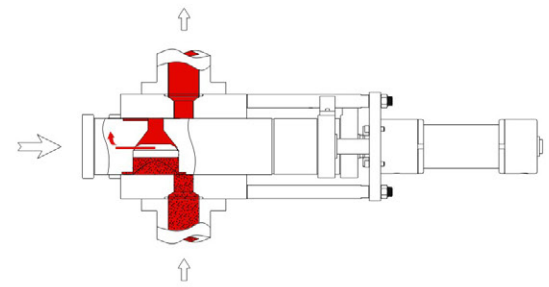




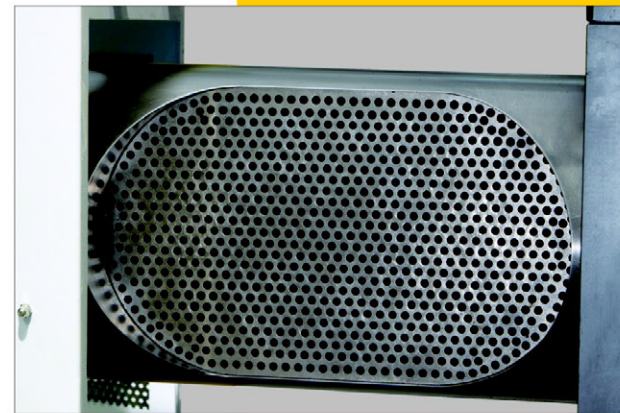
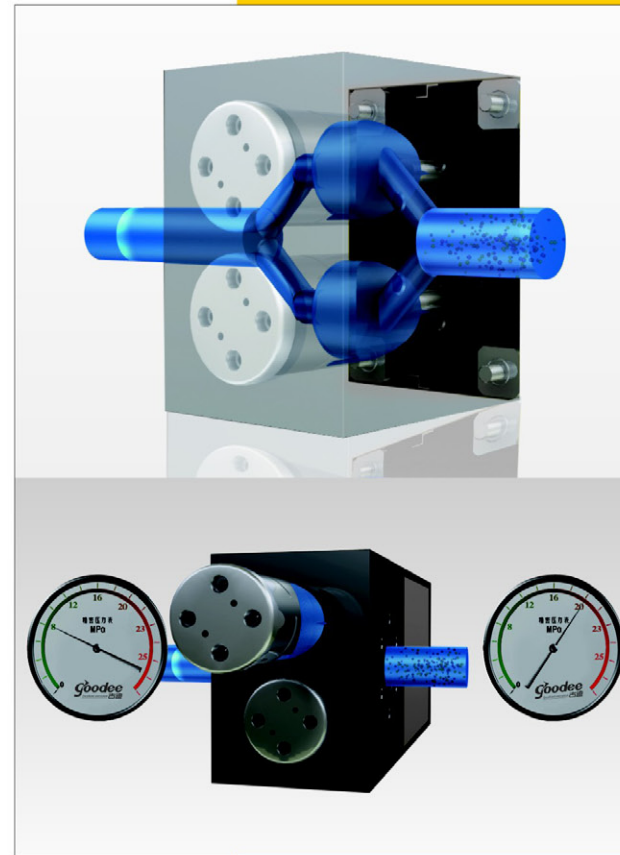
第一步 Step 1



第二步 Step 2



第三步 Step 3



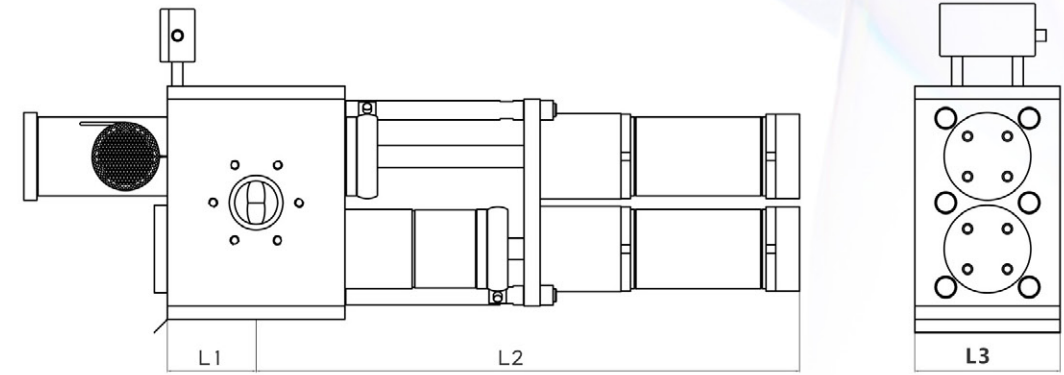
网板预填料 / Pre-filling

- ◆ 网板室的预填料是通过预填料槽来实现的，大部分的空气是通过排气槽来排出。
- ◆ 网腔后较大气泡的排出。
- ◆ 网腔后面的剩余小气泡排出。

- ◆ Pre-filling of the screen changer is through pre-packing cavity-most of the air is discharged by the venting cavities.
- ◆ Removal of bigger bubbles behind the screen groove.
- ◆ Removal of the left small bubbles behind the screen groove.

双柱双工位A型过滤器

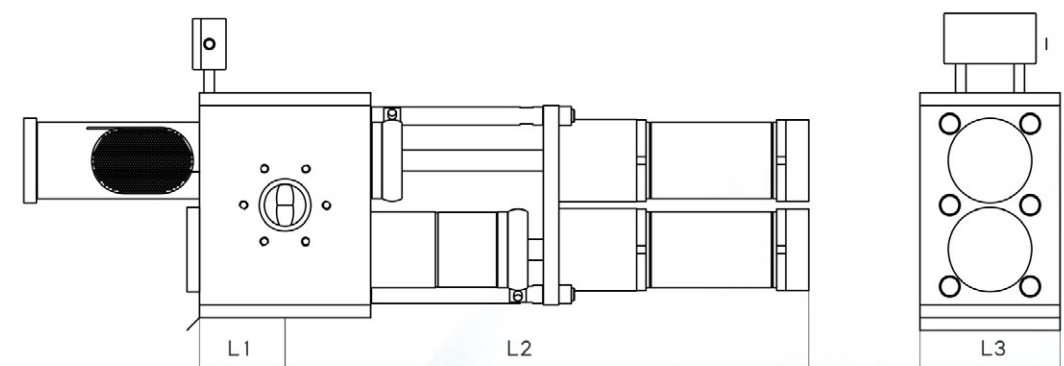
Double pillar double working station A type screen changer



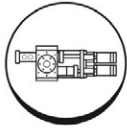
产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size			滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	直径φ(mm)	面积 (cm²)		电压 Voltage (v)	总功率 Total power (kw)
GD-DP-A-080	30~180	115	828	170	60	2*28	210	230/400	4.2
GD-DP-A-100	150~250	125	875	220	80	2*50	260	230/400	5.4
GD-DP-A-120	200~380	125	882	220	100	2*78	305	230/400	5.4
GD-DP-A-145	300~700	165	1035	270	125	2*123	490	230/400	7.2
GD-DP-A-170	400~1080	195	1168	310	150	2*177	850	230/400	9.0
GD-DP-A-195	650~1500	220	1270	380	175	2*240	1160	230/400	10.2
GD-DP-A-220	820~1900	245	1370	410	200	2*314	1700	230/400	22
GD-DP-A-250	1100~2600	280	1500	460	230	2*415	2300	230/400	28

双柱双工位B型过滤器

Double pillar double working station B type screen changer



产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size			滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	直径φ(mm)	面积 (cm²)		电压 Voltage (v)	总功率 Total power (kw)
GD-DP-B-120	200~800	150	995	220	100*145	2*124	315	230/400	6.6
GD-DP-B-145	400~1100	165	1090	270	125*170	2*179	490	230/400	7.2
GD-DP-B-170	680~1500	220	1310	310	144*230	2*286	850	230/400	9.6
GD-DP-B-195	1000~2600	240	1430	380	169*270	2*395	1165	230/400	11.4
GD-DP-B-220	2300~4400	280	1565	410	200*300	2*514	1820	230/400	20
GD-DP-B-250	2900~6000	310	1673	460	230*310	2*600	2425	230/400	28



双柱四工位连续过滤器

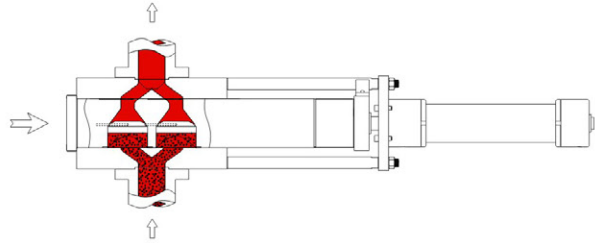
Double pillar type four working station continual screen changer

第一步：正常工作位

经过热处理的壳体有两个活塞，每个活塞有四个网腔，塑料熔体均匀的进入两个流道，进入换网器壳体，经过滤后，两股熔体汇集在一起，当达到预定的压差后，换网开始。

Step 1 Normal working position

The steel housing has two screen bearing pistons, each piston is with four cavities. The plastic melt is split evenly into two flow channels inside the screen changer housing. After filtration, the exchange of the screens is effected when reaching a preset differential pressure.

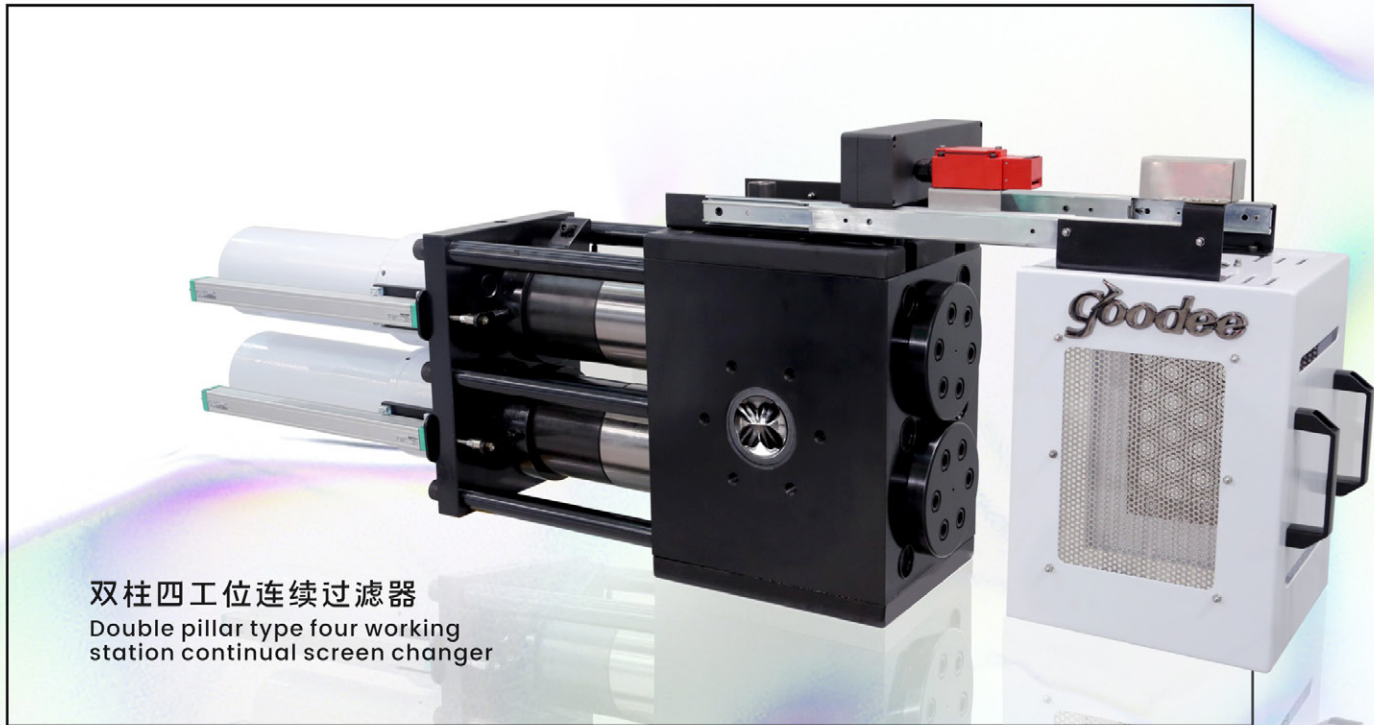
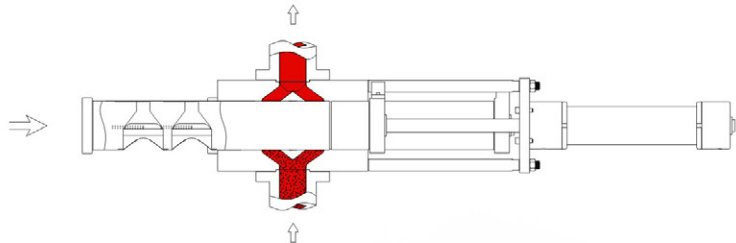


第二步：换网工作位

将活塞移出壳体，直到多孔板移动到相应位置，此时可以换下脏的滤网布，再将活塞移回工作位置。在换网过程中，仍有一支活塞在壳体中，有足够的过滤面积完成过滤工作。

Step 2 Screen changing position

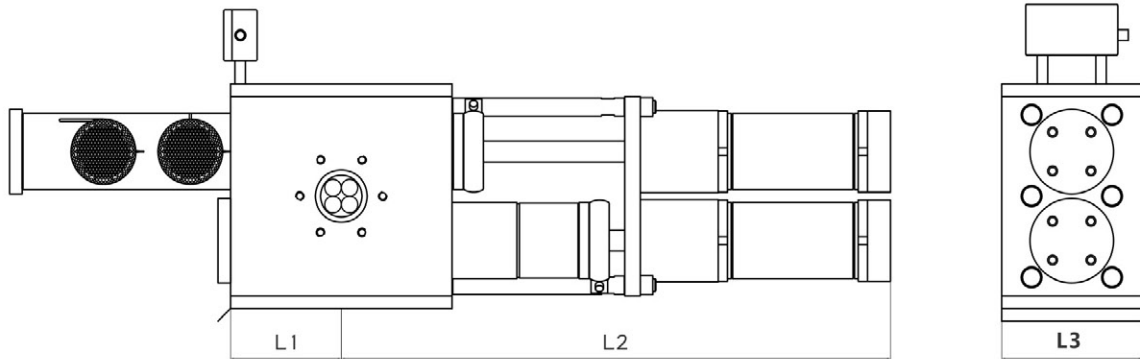
To change the screen, the appropriate screen bearing piston is hydraulically moved out of the housing until the screen cavity is accessible. Then change the dirty screen, reset the piston to the working position. During the screen changing, the other piston is working to ensure continuous filtration.



双柱四工位连续过滤器
Double pillar type four working station continual screen changer

双柱四工位连续过滤器

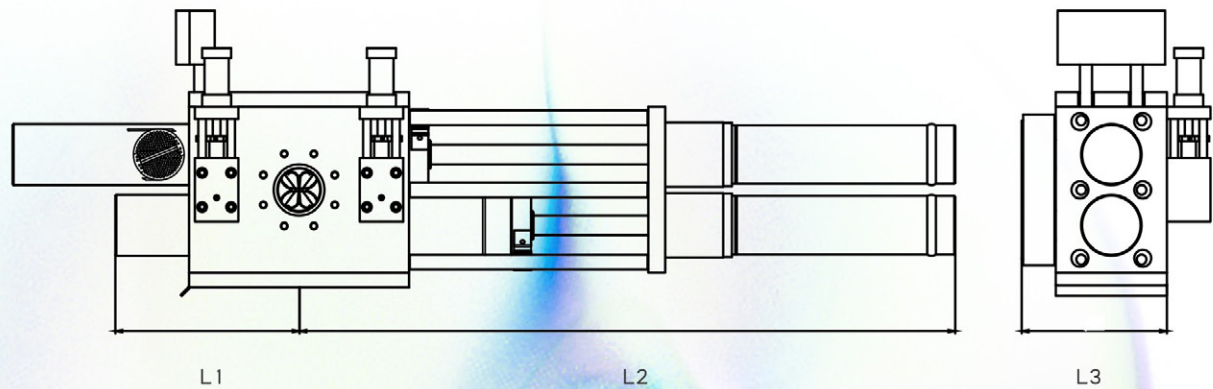
Double pillar type four working station continual screen changer



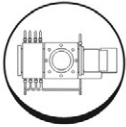
产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size			滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	直径φ(mm)	面积 (cm ²)		电压 Voltage (v)	总功率 Total power (kw)
GD-DP-C-120	260-760	180	1180	220	100	4*78	380	230/400	7.2
GD-DP-C-135	380-1100	205	1280	250	115	4*104	510	230/400	8.8
GD-DP-C-145	580-1400	225	1376	270	125	4*123	630	230/400	12
GD-DP-C-170	750-2000	260	1530	310	150	4*177	930	230/400	17
GD-DP-C-195	1350-3000	313	1690	380	175	4*240	1360	230/400	21.8
GD-DP-C-220	1650-3800	350	1925	410	200	4*314	1900	230/400	32
GD-DP-C-250	2100-5200	405	2190	460	230	4*415	2500	230/400	36

双柱四工位反冲洗连续过滤器

Double pillar type four working station back flush continual working screen changer



产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size			滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	直径φ(mm)	面积 (cm ²)		电压 Voltage (v)	总功率 Total power (kw)
GD-DP-D-125-75	260-760	227	1350	300	105	4*86	400	230/400	17.5
GD-DP-D-160-75	380-1100	293	1680	365	140	4*153	900	230/400	25.5
GD-DP-D-180-75	580-1400	328	1850	413	160	4*200	1000	230/400	31.2
GD-DP-D-200-75	750-2000	365	2025	453	180	4*254	1400	230/400	42



自动走带式连续过滤器

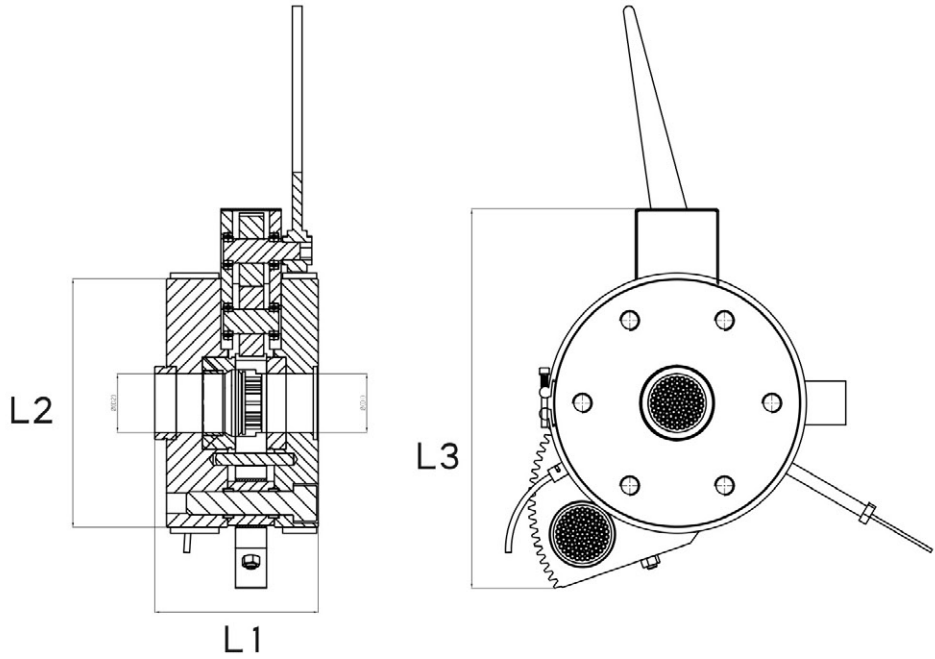
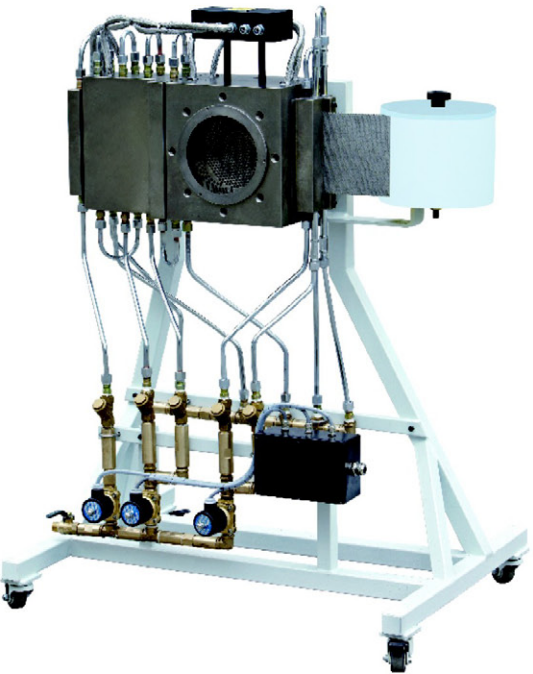
Automatic control band type continual working screen changer

无需外力控制，其系统的感应元件能自行控制过滤时间及走带速度。使用方便，过滤效果良好。

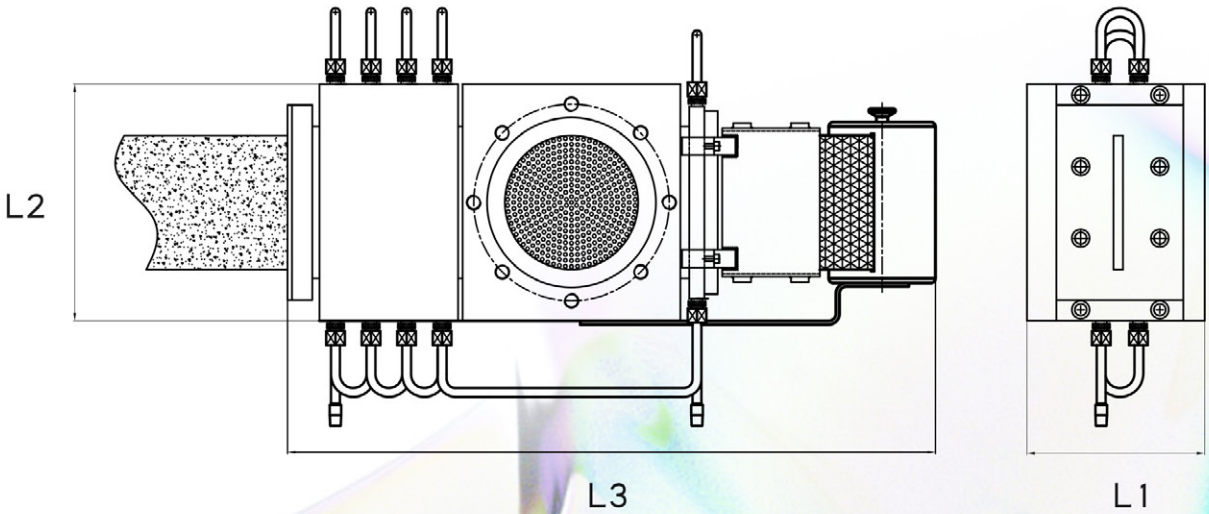
- ◆ 过滤换网，确保工艺不间断，压力稳定。
- ◆ 滤网长度10~20m任意定做，可不间断生产2~6个月。
- ◆ 走网距离可由时间继电器或熔体压力变化控制，也可预设或在线调节。
- ◆ 适用加工原料：PP、PE、PS、ABS、PET。
- ◆ 滤网面积任意选择，可提供标准系列也可特殊加工。

Filtering time and band moving rate are automatically controlled by pressure sensing elements of the system, no need for external force control. It is easy to operate, and ensures perfect filtering performance.

- ◆ Continuous changing screen, realizes non-stop production, and stable pressure.
- ◆ The length of filter screen is available from 10m to 20m, serving constant production within 2-6 months.
- ◆ The moving distance of filtering screen can be controlled by time relay and melt pressure difference, or preset and adjust on line.
- ◆ Applicable plastic material: PP、PE、PS、ABS、PET.
- ◆ Various filtering areas, selecting by standard sizes or customized.



产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size			滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	直径φ(mm)	面积 (cm ²)		电压 Voltage (v)	总功率 Total power (kw)
GD-MSPG-40	10-40	140	200	330	50	20	35	220	1.67
GD-MSPG-50	30-85	150	200	330	50	20	35	220	1.67
GD-MSPG-60	50-150	170	255	410	60	28	60	220	2.4
GD-MSPG-70	75-200	170	255	410	70	38	60	220	2.4
GD-MSPG-80	85-250	175	300	490	90	64	85	220	2.97
GD-MSPG-90	100-300	175	300	490	90	64	85	220	2.97



手动式换网过滤器

Manual control screen changer

- ◆ 安装方便，操作简单。
- ◆ 适合Φ90低产量的挤出生产。
- ◆ 操作杆可根据生产现场空间状况而多位放置。
- ◆ 独特的柔性密封装置，拥有良好的密封效果。
- ◆ 定位精确，保证了物料的顺畅流通。



- ◆ Easy installation and simple operation.
- ◆ Suitable for low output under 90Kg/h.
- ◆ Operating bar position can be adjusted according to specific layout of the workshop.
- ◆ Unique flexible sealing system guarantees perfect sealing effect.
- ◆ Precise location of the screen ensures very fluent plastic flow.

产品规格型号 Type	相关产量 output (kg/h)	轮廓尺寸 (mm) size			滤网尺寸 screen size		产品重量 weight (kg)	加热器 * Heater	
		L1	L2	L3	直径φ(mm)	面积 (cm ²)		电压 Voltage (v)	总功率 Total power (kw)
GD-ACB-50	30-85	150	165	540	50	20	60	230/400	4.0
GD-ACB-70	75-200	160	170	565	70	38	68	230/400	4.0
GD-ACB-90	100-290	170	185	580	90	64	75	230/400	4.2
GD-ACB-100	130-350	180	215	605	100	78	85	230/400	4.2
GD-ACB-120	190-500	185	230	645	120	113	92	230/400	6.0
GD-ACB-150	350-800	200	265	700	150	176	100	230/400	9.8
GD-ACB-180	450-1250	220	305	760	180	254	112	230/400	12.4