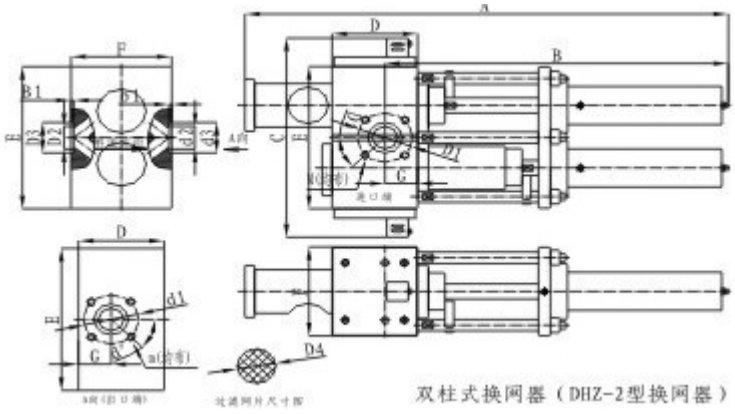
Double pillar screen changer

The dual-column double-position hydraulic screen changer is designed to work with two channels inside. It contains two screens that work at the same time: one screen works, while the other one is changed during the process of screen replacements, thus the replacement without machine halt is ensured and no interrupt of material fluid and of production will occur. Therefore, the screen changer meets the customers' requirement of higher productivity and better quality.

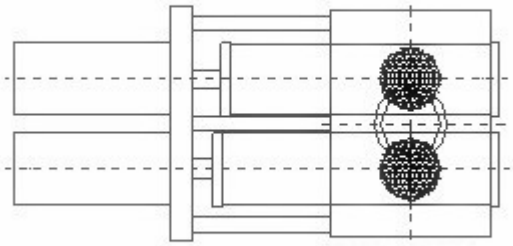


How to work

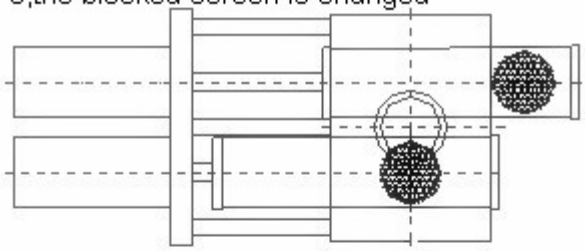
The Screen Changer consists of two pistons with each containing a filter cavity. When a screen change is required, one of the pistons is moved out of the housing while the other remains in the operating position. The dirty screen pack is removed and replaced with a new one. The piston is then moved back into the housing to its exhaust phase before restarting operation. These steps are then repeated for the other piston. This concept allows for continuous filtration with no interruption or loss of production

The process of screen changing

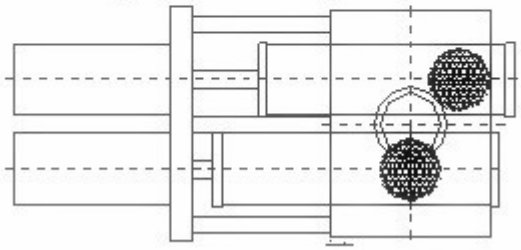
1,breaker plates in operating



2,slide bar is pushed out
3,the blocked screen is changed



4,heating and air bleeding



Features include

Double-piston screen changer works simultaneously. One net works. Another replaced; without interrupting the flow of material and production. And eventually fulfills the exchange of screen without stopping the machine.

Exhaust system device can fully defuse the gas mixed in the materials, then improving product quality. And double channels expand the filtration area to meet more productive, more high-quality production need s from customers.

Applications

cast film (Bubble pack\ Medical\Food Wrap)
Sheet (Foam\Strapping\Plastic cardboard)
Coating (Hot melt adhesive)
Pipe (Corrugated\Gas Pipe) and profile
Compounding (Master Batch\filler)
Wire and cable extrusion
Tubing (Medical\ Industrial\Irrigation)

Fibers (Monofilament)
Blow molding
Pelletizing (strands and underwater)
Recycling of most polymers

Technical Data

Type	Screen—Dm(mm)	Screen area(cm2)	Heating Power(kw)	Output(kg/h)
DHZ-2-100	Φ70	38 x 2	6	50--150
DHZ-2-120	Φ90	64 x 2	8	100--350
DHZ-2-160	Φ135	143 x 2	10	300--700
DHZ-2-200	Φ155	187 x 2	12	400--1000
DHZ-2-600	oval screen	315x2	10	1000--4000
DHZ-2-1800	square screen	900x2	10	2000--6000