

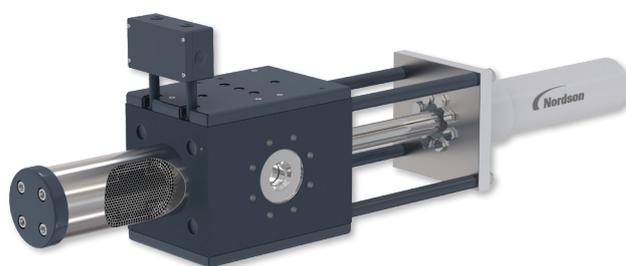
BKG[®] NorCon[™] LD-SWE

Single Piston Screen Changer for Discontinuous Operation

- Normal operation:** 1 screen cavity (100%) in the process
- Backflush:** Not applicable
- Screen change:** During a screen change, a screen cavity is not in position to continue operating the machine

Applications

Suitable for all polyolefins and a variety of other temperature stable polymers. This system can be used for protection filtration, batch processes, compounding, and masterbatches, as well as for quality filtration of virgin materials.



Benefits

- Easy adjustment of the hydraulic device via the hand control valves
- Quick and easy cleaning allows for rapid material and color changes
- Large filter area in a comparable small housing due to oval-shaped screens

Features

- Oval-shaped screens
- The melt flow is temporarily interrupted during the screen change
- Special designs (e.g. screw threading, starting position) possible

Technical Information

Machine Type/Size	LD-SWE-180 – LD-SWE-975
Screen Dimensions	125 x 170 mm – 270 x 420 mm (4.92 x 6.69 in – 10.6 x 16.5 in)
Throughput	300 – 8,000 kg/h (661 – 17,637 lb/hr)
Screen Area	179 – 978 cm ² (27.8 – 151.6 in ²)
Temperature	Up to 450°C (842°F)
Heating	Electric, Fluid, or Steam
Max. Operating Pressure	From size 180 to size 515: Max. 400 bar (5,802 psi) Size 600 and up: Max. 300 bar (4,351 psi)
Differential Pressure	Max. 150 bar (2,176 psi)

*These throughput values are only estimates. The actual rates are dependent upon the viscosity of the material, filtration fineness, application, and the contamination level of the material; therefore, the values may differ depending on the actual process parameters.

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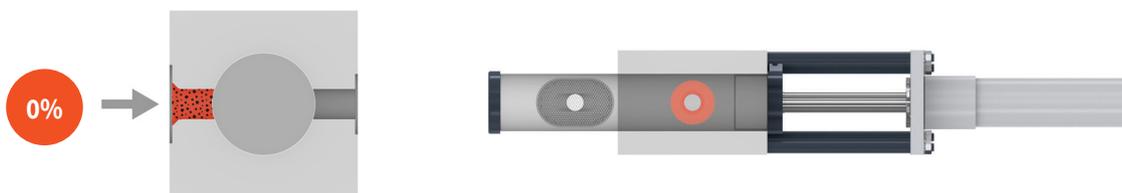
Single Piston Screen Changer for Discontinuous Operation

Normal operation



The heated steel housing allows for one screen bearing piston, which contains one screen cavity. The melt flow is led through the screen cavity.

Screen change



The exchange of the screen is triggered when reaching a chosen differential pressure (Δp). The screen piston with the changeable filter element is moved out of the housing to allow for the screen pack of the piston to be removed and replaced with a new filter element. A screen change is only possible during a system shutdown.

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