

BKG[®] SPC

High Capacity Screen Changer

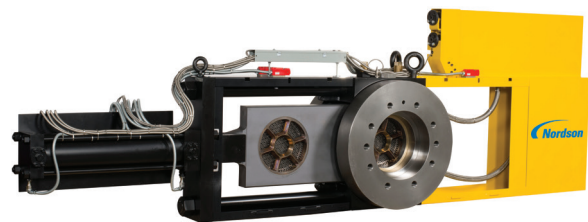
Normal operation: 1 screen cavity (100%) in the process

Backflush: Not applicable

Screen change: During a screen change, the screen cavity (100%) in the process is removed hydraulically, indexing the other screen cavity (100%) into operation

Applications

The SPC-1200 EA and SPC-1500 EA slide plate screen changers are suitable for high capacity polymer filtration up to 27,000 kg / h (60,000 lb / hr). These models utilize cylindrical screens to achieve a significantly reduced pressure drop, resulting in higher throughputs and longer on-line time between screen changes.



Benefits

- Extended filter area provides longer screen life and allows for finer screen filtration
- Fast shift screen changes optimize productivity
- Leak-free operation
- Safe operation
- Optimized polymer rheology
- Bi-fold guard design allows easy access to breaker plates and ensures safe operation

Features

- Adjustable sealing mechanism
- Bi-fold guards are electrically interlocked
- Optimized flow channel design
- Explosion proof design options
- Single piece body
- Extended area filter

Technical Information

Machine Type/Size	SPC 1200 - SPC 1500
Screen Dimensions	Ø327 - Ø405 mm (12.9 - 15.9 in)
Throughput	2,700 - 27,000 kg / h (6,000 - 60,000 lb / hr)
Screen Area	729 - 4,323 cm ² (113 - 670 in ²)
Temperature	Up to 316°C (600°F)
Heating	Electric, Fluid, or Steam
Max. Operating Pressure	Max. 345 bar (5,000 psi)
Differential Pressure	Max. 200 bar (3,000 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.

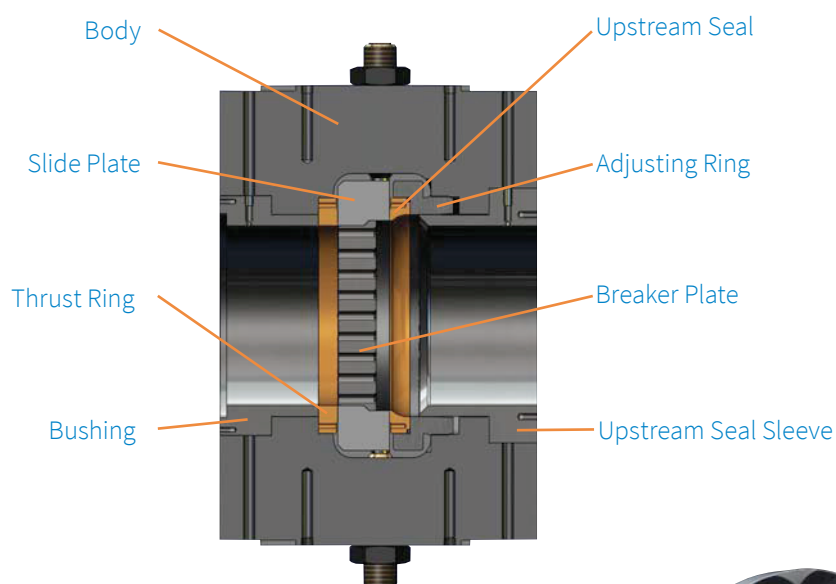
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Specifications

Model	Screen Changer Size mm (in)	Typical Throughput Rates	Screen Diameter mm (in.)	Filter Area cm ² (in. ²)	Maximum Clearance Bore mm (in.)	Heat Zones Requires	Heater kW (body)	Heater kW (slide plate)
1200	305 (12)	2,721-4,535 kg/hr 6,000-10,000 lbs/hr	327.0 (12 7/8)	729 (113)	304.8 (12)	4	14, 14	6.6, 6.6
1200 EA	305 (12)	11,338-18,141 kg/hr 25,000-40,000 lbs/hr	*	3097 (480)	304.8 (13)	4	8, 8	11, 11
1500	381 (15)	4,535-9,070 kg/hr 10,000-20,000 lbs/hr	404.8 (15 15/16)	1158 (177)	381.0 (15)	4	14, 14	6.0, 6.0
1500 EA	381 (15)	18,141-27,211 kg/hr 40,000-60,000 lbs/hr	*	4323 (670)	381.0 (16)	4	12, 12	15, 15

**Cylindrical filter tubes replace the conventional flat screen packs allowing for increased filter area*



Hydraulic Power Unit



Cylindrical Filter Tubes

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