

BKG® NorCon™ EM/XM

Manual Screen Changer

- Normal operation:** 1 screen cavity (100%) in the process
- Backflush:** Not possible
- Screen change:** During a screen change, the screen cavity (100%) in the process is removed manually, indexing the other screen cavity (100%) into operation

Applications

From the worldwide leader in filtration equipment, Nordson offers the EM and XM manual screen changers. Contamination of the melt stream by metal, wood, paper or internally generated black specks yields products that are unacceptable in appearance and/or performance. Manual screen changers are the least expensive and most suitable option for processes that require infrequent changes. Manual screen changers minimize costly downtime for screen replacement. With a simple swing of the handle during routine shutdown, clean screens are quickly brought on-line. No line disconnection occurs, and full production is re-established. As an option, the EMP and XMP models add air assist to the shifting of the slide plate.



Features

- Bolt through extruder connection
- Extruder screw pull through
- Pressure activated sealing
- Optimized flow channel design
- 3 position handle

Benefits

- Compact extruder interface
- Leak-free operation
- Safe operation
- Optimized polymer rheology
- Low capital and operating cost

High Temperature Seal Option

- Expanded low viscosity sealing
- For temperatures between 260-343°C (500-650°F)
- Retrofittable design

Technical Information

Machine Type/Size	EM-10 - EM-60; XM-30 - XM-120
Screen Dimensions	Ø27 - Ø154 mm (1.18 - 16.14 in)
Throughput	5 - 1,100 kg / h (10 - 2,450 lb / hr)
Screen Area	5.8 - 188 cm ² (0.9 - 29.2 in ²)
Temperature	Up to 340°C (650°F)
Heating	Electric
Max. Operating Pressure	Max. 690 bar (10,000 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.

BKG® NorCon™ EM/XM

Manual Screen Changer

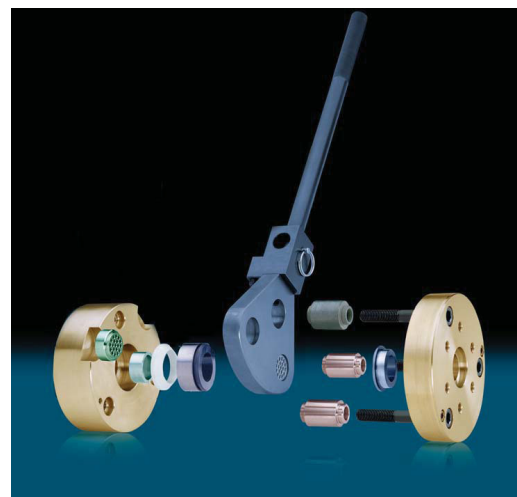
BKG EM Specifications

Model	Bore "A" mm (in.)	Screen Dia. mm (in.)	Heater kW	Heater Volt	Unit Weight kg (lbs) approx.
EM-10	25.65 (1.010)	26.99 (1.063)	0.6 kW	230 V	11 (25)
EM-15	38.35 (1.510)	39.69 (1.563)	0.9 kW	230 V	18 (40)
EM-20	51.05 (2.010)	52.39 (2.063)	1.2 kW	230 V	25 (56)
EM-25	63.75 (2.510)	65.09 (2.563)	1.8 kW	230 V	37 (82)
EM-35	90.30 (3.555)	90.49 (3.563)	3.0 kW	230 V	78 (173)
EM-45	120.27 (4.735)	122.24 (4.813)	4.8 kW	230 V	150 (330)
EM-60*	152.78 (6.015)	153.99 (6.093)	10.8 kW	230 V	340 (750)
EM-65*	165.78 (6.515)	168 (6.60)	10.8 kW	230 V	340 (750)

*Hydraulic Cylinder

BKG XM Specifications

Model	Bore "A" (mm)	Screen Dia. (mm)	Heater kW	Heater Volt	Unit Weight (kg) approx.
XM-30	30.25	39.7	0.9	230 V	18
XM-35	35.25	39.7	0.9	230 V	18
XM-45	45.25	52.4	1.2	230 V	25
XM-50	50.25	52.4	1.2	230 V	25
XM-60	60.25	66.7	1.8	230 V	37
XM-65	65.25	66.7	1.8	230 V	37
XM-70	70.25	77.8	2.0	230 V	64
XM-75	75.25	77.8	2.0	230 V	64
XM-80	80.25	90.5	3.0	230 V	78
XM-90	90.30	90.5	3.0	230 V	78
XM-95	95.25	103.2	4.2	230 V	108
XM-100	100.25	103.2	4.2	230 V	108
XM-110	110.25	122.2	4.8	230 V	150
XM-120	120.27	122.2	4.8	230 V	150



Options

- High temperature seal
- Corrosion resistant flow bores
- Twist lock coextrusion breaker plates
- Downstream reducer bushing
- BKG XP air assisted
- Adapters
- Add a gear pump for complete system control

Nordson PPS GmbH
Coermühle 1
48157 Münster / Germany
+49.251.21405.0 **Phone**

USA
+1.828.326.9888 **Phone**

China
+86.21.57850918 **Phone**

www.nordsonpolymerprocessing.com | info@nordsonpolymerprocessing.com
© 2016 Nordson PPS GmbH
Printed in USA
8/2016

