

BKG[®] NorCon[™] EM/XM and EMR / XMR 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 / EMR (standard) as well as the XM / XMR (metric) manual screen changers. Contamination of the melt stream by metal, wood, paper or degradation yields products that are unacceptable in appearance 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 lever during routine shutdown, clean screens are quickly brought on-line. No line disconnection occurs, and full production is re-established. The EM/XM can easily be retrofitted with a ratchet mechanism that is mounted to the top.



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

Ratchet Option

- Retrofittable design to current EM/XM models (EM/XM → EMR/XMR)
- Less torque requirement = less operator effort to shift slide plate
- Compact line configuration

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 10-65 XM 30-120 EMR 25-45 XMR 60-120
Screen Dimensions	Ø27 - Ø154 mm (1.1 - 6.1 in)
Throughput*	5 - 1,100 kg / hr (10 - 2,450 lb / hr)
Screen Area	5.8 - 188 cm ² (0.9 - 29.2 in ²)
Temperature	Up to 343°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.

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