

BKG® BlueFlow™ Gear Pump MSDP/MJEP

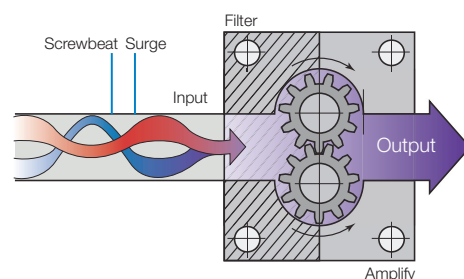
BKG gear pumps types MSDP/MJEP are used in extrusion, compounding and polymerization processes.

The gear pump helps optimize the process, so the extrusion line produces optimal quality with the highest throughput possible. The gear pump has a rheologically optimized in- and outlet geometry to guarantee a very controlled transport of material. Temperature- and pressure sensors can be implemented edge-free – a distinct characteristic of all BKG BlueFlow Gear Pumps.



Features

Type:	MSDP
Application:	Standard polymers
Feature:	Process-specific sealing systems
Type:	MJEP
Application:	Has the same features as the MSDP-Type, with the additional advantage of fluid heating



Benefits

- Reduction of stress on the extruder by means of shifting the job of building pressure to the gear pump
- Increase throughput rate leading to maximized production efficiency
- Elimination of output variations and pressure pulsations, thus improvement of product quality
- Raw material savings by means of tighter manufacturing tolerances
- Reduction of product rejections by means of eliminating the pulsations in the process
- Improvement of the dimensional accuracy in the production of sheets and profiles
- Optimization of the surface and optical quality in the production of films, sheets and profiles
- Increased product quality in homogeneity and pellet size in compounding applications
- Imperial US-connection geometry

Technical Information

Throughput	0.03 – 14,000 kg/h (0.07 – 30,826 lbs/hr)
Specific volume	0.11 – 4,665 cm ³ /rev (0.015 – 617 in ³ /rev)
Viscosity	200 – 30,000 Pas
Temperature	up to 343°C (650°F)
Heating	Electric or Fluid
Pump outlet	max. 345 bar (5,000 psi)
Differential pressure	max. 276 bar (4,000 psi)

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

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Printed in USA
8/2016

