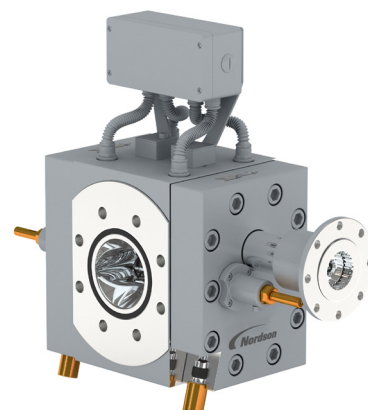


BKG® BlueFlow® Gear Pump

GPE / MB

The patented BKG gear pump type GPE/MB is suitable for sensitive plastics and processes that require frequent product changes. The MB version allows to discharge the lubrication flow out of the gear pump, and therefore out of the process, giving you the power to control the purging of your process when necessary.



Features:

Type:	GPE/MB
Application:	Sensitive plastics, e.g. PC, PMMA Frequent changes of color and product
Feature:	Removal of the bearing lubrication flow
Optional:	Forced leakage possible

Benefits:

- Lubrication flow can be discharged to the outside during the material change by means of a pair of manual valves. The valves are designed so that they not only lock the recirculation channels in this bypass position but also clean the recirculation channels by flushing the material in them; eliminating “black specks“ (Patented BKG system)
- Raw materials savings due to fast color changeovers
- Minimizes the product rejects by reducing the time between color changes
- Reduced self-cleaning time during color or material changes, thus minimizing contamination and material waste
- Increased throughput due to reduced cleaning time
- Suitable for residence time critical or thermally sensitive polymers, such as, PC or PMMA
- Suitable for optical applications

Technical Information

Throughput	100 – 12,800 kg/h (220 – 28,219 lbs/ h)
Specific volume	46.3 – 3,200 cm ³ / rev (2.8 – 195,3 in ³ / rev)
Viscosity	200 – 20,000 Pas
Temperature	up to 450°C (842°F)
Heating	Electric or Fluid
Pump outlet	max. 350 bar (5,076 psi)
Differential pressure	max. 250 bar (3,626 psi)

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