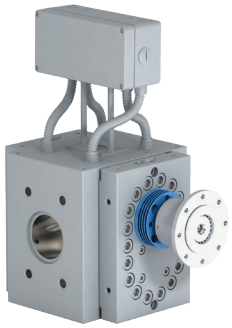
BKG® EP-SE / EP-SF

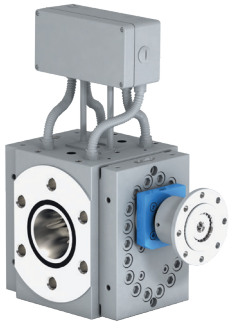
Extrusion Pump

BKG® Melt Pumps type EP-SE / EP-SF are used in extrusion, compounding and polymerization processes.

The melt pump helps optimize the process, so the extrusion line produces optimal quality with the highest throughput possible. The melt pump has a rheologically optimized inlet and outlet geometry to guarantee a very controlled transport of the material. Temperature and pressure sensor ports are included in the pump housing.



EP-SE-U (US Connection)



EP-SE-E (European Connection)

Features

Type:	**EP-SE**
Application:	Standard polymers, low viscosity plastics, e.g. Polyolefines
Feature:	Cooled sealing system
Type:	**EP-SF**
Application:	Provides the same advantages as the EP-SE model with the additional benefit of heating the pump with a fluid

Benefits

- Reduction of stress on the extruder by means of shifting the job of building pressure to the melt pump
- Reducing extruder head pressure may yield increased throughput rate leading to maximized production efficiency
  - Elimination of output variations and pressure pulsations
  - Improves product quality
  - Reduces scrap and product defects
  - Saves polymer usage
- Allows the use of up to 100% regrind in production with consistent metering
- Improvement of the dimensional accuracy in the production of sheets and profiles
- Optimizes the surface and optical quality in the production of films, sheets and profiles
- Increased product quality in homogeneity and pellet size in compounding applications

Technical Information

Size	33 - 4900*
Throughput	7 – 11,700 kg / hr (15 – 25,794 lbs / hr)**
Specific volume	33 – 4,900 cm^3 / rev (2.02 – 299.02 in^3 / rev)**
Viscosity	150 – 15,000 Pas**
Temperature	Up to 330°C (626°F)**
Heating	Electric or Fluid *(Pump size 4900 only available with Fluid Heating)*
Pump outlet	max. 350 bar (5,076 psi)
Differential pressure	max. 250 bar (3,626 psi)

* Bigger sizes than 716 upon request.

** Higher / lower throughputs, specific volumes, viscosities or temperatures upon request.

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