

BKG® RP-LE / RP-LF

Reactor Discharge Pump

BKG® Melt Pump types RP-LE / RP-LF are mainly designed for the discharge of low to medium viscosity melts, such as adhesives or polyamides out of reactor vessels or mixing and storage tanks. Additionally, they are used for low viscous materials in extrusion processes.



Features

Type:	RP-LE
Application:	For the discharge of low to medium viscous melts from reactor vessels and tanks
Feature:	Process-specific connection geometry Special sealing system
Optional:	Liquid tempered
Type:	RP-LF
Application:	Provides the same advantages as the RP-LE model with the additional benefit of heating the pump with a fluid

Benefits

- Discharge pumps designed specifically for low to medium viscosity melts
- Pump inlet optimized to maximize filling performance through various channel geometries
- Drive-side threaded shaft seal with stuffing box packing leads to reduced operating costs
- Borings for melt pressure and melt temperature sensors integrated in the pump housing provides enhanced process diagnostic capabilities
- Optimized operating clearances to process polymers with a low viscosity

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	2 - 2,000 Pas
Temperature	Up to 330°C (626°F)
Heating	Electric or Fluid (<i>Pump size 4900 only available with Fluid Heating</i>)
Pump inlet	1 - 15 bar (14.5 - 217.56 psi)
Pump outlet	max. 265 bar (3,843 psi)
Differential pressure	max. 250 bar (3,626 psi)

* Higher or lower throughputs and temperatures upon request.

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