

PUMP & FILTRATION SYSTEMS >

> PHARMA



extrex[®] PFS

Gear pump for hot-melt extrusion
processes (HME)



The extrex[®] PFS pumps are specially designed for applications in the pharmaceutical industries. It requires specific design characteristics; high discharge pressure capability, constant throughput, gentle conveying and narrow temperature ranges. In such an environment the proven extrex[®] gear pumps unfold their full potential.

Benefits:

- Very good self-cleaning properties
- Precisely metered flow of product ensures consistent pellet size and quality
- Screw pressure pulsations are eliminated or minimized even at high differential pressures
- Efficient increase in discharge pressure while relieving extruder of build-up pressures
- Lower specific energy for the overall system
- Improved quality of the finished product due to lower overall melt temperature
- Essential for the production of micro-pellets
- Compatible with all extruders and reactor vessels

SIMPLY BETTER PELLETS.

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Application areas:

- Production of micro-pellets to avoid milling
- High-viscosity carrier/active ingredient combinations
- Co-extrusion applications for uniform layer thicknesses
- Process monitoring by means of pressure sensors and temperature sensors
- For extrusion from an extruder or reactor vessel

Technical Data	extrex [®] 20 GP	extrex [®] 21 GP	extrex [®] 22 GP	extrex [®] 28 GP	extrex [®] 35 GP
Specific Volume [cm ³ /U]:	1.3	2.8	4.7	10.2	25.6
Differential Pressure Δp :	max. 250 bar				
Temperature range:	30° to 200°C				
Viscosity:	to 30.000 Pas				

