



extrex⁶ Recycling

Gear Pump for Recycling and Highly Filled Applications



Recycling operations require extremely reliable gear pump systems with high output consistency and a configuration to suit each recycling application. The modular design of extrex[®] gear pumps easily meets the requirements for these diverse applications.

The extrex⁶ recycling pump differs from the general use pump in that it incorporates special components that allow foreign particles to pass through the pump without causing damage. It can also be used effectively in applications with highly filled materials.

The design of extrex⁶ makes it possible to avoid a pre-filtration process in most applications.

Your Benefits

- Pre filtration is not required
- Highly wear resistant
- Contaminants up to 6mm diameter can pass through without causing damage
- Designed to process polymers with up to 80% filler content

- - **12 %** less energy consumption
- - **40 %** less temperature increase
- - **90 %** less pulsation

Outlet pressure: 370 bar

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Pump	extrex ⁶ Recycling
Throughput (kg/h)	1524 - 15000
Pump size	63 - 160
Inlet Pressure (bar)	120
Differential Pressure (bar)	250
Outlet Pressure (bar)	370

Application limits	
Viscosity:	30,000 Pas
Temperature:	350 °C

Technical specifications	
Housing, cover	Alloy steel
Gear shafts	Tool steel
Bearings	Tool steel
Shaft seals	Alloy steel
Pump heating	Electric/fluid

Pumping media

- Polyolefins
- Polyesters
- Polyamids
- Polycarbonates
- Styrene polymers
- Expandable polystyrene
- ABS/SAN
- Fluor polymers
- TPE
- Other polymers upon request

Options

- Defined tolerance classes
- Wired heating cartridge fully attached to connector
- Liquid heating with interconnection bores
- Pressure/temperature sensor bores in body
- Choice of materials for every application
- Cooling feature for shaft seals
- Special seal types

Accessories

- Adapter flange
- Sensors
- Support Carts / Base frames
- Drive units
- Control Systems
- Complete solutions

extrex ⁶ Recycling				classic GP
Pump size	Spec. Vol. (ccm)	Throughput (kg/h)	rpm (min)	Ref. pump size
63/80	194	1524	179	70
80/100	385	2569	152	90
100/125	764	4474	134	110
125/160	1545	7735	114	140
160/200	3082	13105	97	180