



extrex⁶ GU

General Use gear pump for thermoplastic applications



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

The extrex⁶ GU gear pump is a general use design that elevates your process to the next level. With the new x⁶ class design you have additional benefits compared to the classic gear pump designs.

All pumps are available with ST design (flow optimized) and with the 5R design (Retrofit flange design classic pump).

Your Benefits

- + 10 % more spec. vol. than GP
- + 25 % more wear resistant
- + 25 % larger sealing surface

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

Outlet pressure: 370 bar

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Pump	extrex ⁶ GU
Throughput (kg/h)	150 - 15000
Pump size	25 - 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 GU				classic GP
Pump size	Spec. Vol. (ccm)	Throughput (kg/h)	rpm (min)	Ref. pump size
25/32	12	174	325	28
32/40	25	298	276	36
40/50	48	503	239	45
50/63	96	873	207	56
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

Remarks: Combination of maximum temperatures, maximum flow rates and maximum pressure is not simultaneously possible in all cases. The indicated flow capacity range and the maximum discharge pressure of the pump are strongly dependant on the characteristics of the medium to be pumped. Please contact Mag Pump Systems AG for specific applications.