



extrex⁶ SP

Super Pressure gear pump solution
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 SP gear pump is a high pressure gear pump for applications dictating high pressures and loads. 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

- + **32 %** more pressure than GP
- + **26 %** more spec. vol. than HP
- + **25 %** more wear resistance
- + **25 %** larger sealing surface

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

Outlet pressure: 520 bar

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Pump	extrex ⁶ SP
Throughput (kg/h)	130 - 9000
Pump size	25 - 160
Inlet Pressure (bar)	120
Differential Pressure (bar)	400
Outlet Pressure (bar)	520

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
- Polyamides
- 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 SP		classic HP		
Pump size	Spec. Vol. (ccm)	Throughput (kg/h)	rpm (min)	Ref. pump size
25/16	-	on request	-	-
32/25	15	131	276	36
40/32	31	279	239	45
50/40	61	436	207	56
63/50	122	757	179	70
80/63	242	1244	152	90
100/80	489	2230	134	110
125/100	966	3784	114	140
160/125	-	on request	-	-

