



## extrex<sup>6</sup> EP

### Extra 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<sup>®</sup> gear pumps easily meets the requirements for these diverse applications.

The extrex<sup>6</sup> EP gear pump is an intermediate pressure solution for applications requiring higher pressure, greater load bearing considerations for low lubricity products. With the new x<sup>6</sup> 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

- + 28 % more pressure than GP
- + 40 % 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: 440 bar**

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Pump	extrex <sup>6</sup> EP
Throughput (kg/h)	140 - 12000
Pump size	25 - 160
Inlet Pressure (bar)	120
Differential Pressure (bar)	320
Outlet Pressure (bar)	440

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 <sup>6</sup> EP				classic HP
Pump size	Spec. Vol. (ccm)	Throughput (kg/h)	rpm (min)	Ref. pump size
25/25	10	135	325	-
32/32	20	238	276	36
40/40	38	402	239	45
50/50	76	693	207	56
63/63	153	1202	179	70
80/80	308	2055	152	90
100/100	611	3578	134	110
125/125	1210	6058	114	140
160/160	2465	10481	97	-

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.

