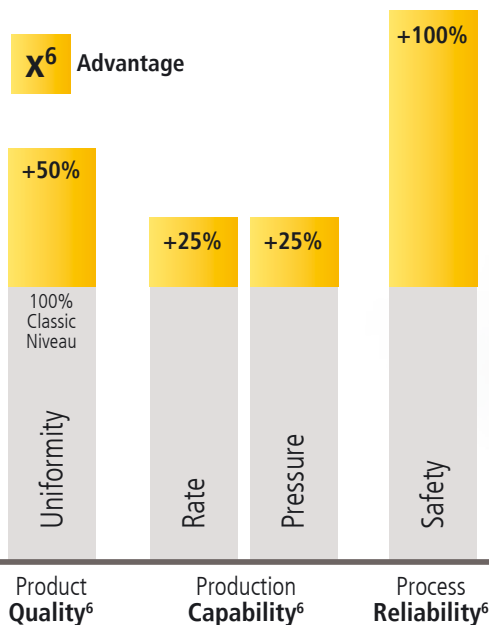




extrex⁶ GU/EP/SP

Booster pump for the thermoplastic processing industry



Thermoplastic processing requires positive displacement devices that gently convey any kind of thermoplastic grades from high to low viscosity through the system. Specifically designed, low compression tooth design allow the extrex[®]-x⁶ class transfer, booster or metering gear pump to achieve both high pressure and low shear.

Product **Quality⁶**

- **Streamlined Linearity** Elimination of incoming pulsations to maximize your product uniformity
- **Protected Polymer** Minimized back-flow volume to speed up your polymer change

Production **Capability⁶**

- **Endurance Shaft** Improved load capability to raise your differential pressure
- **Peak Rate** Superior flow capacity to boost your productivity

Process **Reliability⁶**

- **Balanced Bearings**
- **Unique self-centering shafts** To maximize your process stability



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x⁶ class

Technical specifications:

Housing, cover:	Alloy steel
Gear shafts:	Tool steel
Bearings:	Tool steel
Shaft seals:	Alloy steel
Pump heating:	Electric/liquid

Application limits:

Viscosity:	To 30,000 Pas
Temperature:	To 350 C
Inlet pressure:	To 120 bar

Pumping media

- Polyolefins
- Polyesters
- Polyamids
- Polycarbonates
- Styrene polymers
- Expandable polystyrene
- ABS/SAN
- Fluoro 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

- Base and base frame
- Adapter flange
- Sensors
- Controller, expac complete solutions
- Drive components

extrex ⁶	GU (General Usage)	EP (Extra Pressure)	SP (Super Pressure)
Discharge pressure (bar):	370	max 440	max 520
Differential pressure (bar):	250	max 320	max 400
Pump size:	25-160	25-160	36-140
Spec. Volume (ccm/rev):	12-3082	10-2465	15,4-966
Throughput range (kg/h):	350-16000	250-12000	4-15000

extrex ⁶ GU			
Pump size	Spec. Vol. (ccm)	Capacity (kg/h)	rpm (min)
25/32	12	174	325
32/40	25	298	276
40/50	48	503	239
50/63	96	873	207
63/80	194	1524	179
80/100	385	2569	152
100/125	764	4474	134
125/160	1545	7735	114
160/200	3082	13105	97

extrex ⁶ EP			
Pump size	Spec. Vol. (ccm)	Capacity (kg/h)	rpm (min)
25/25	10	135	325
32/32	20	238	276
40/40	38	402	239
50/50	76	693	207
63/63	153	1202	179
80/80	308	2055	152
100/100	611	3578	134
125/125	1210	6058	114
160/160	2465	10481	97

extrex ⁶ SP			
Pump size	Spec. Vol. (ccm)	Capacity (kg/h)	rpm (min)
30/25	15,4	131	276
40/32	30,8	279	239
50/40	61	436	207
63/50	122	757	179
80/63	242	1244	152
100/80	489	2228	134
125/100	966	3784	114

For specific applications please contact Maag Pump Systems AG.