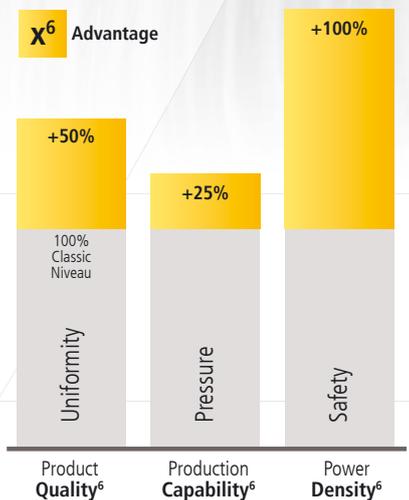
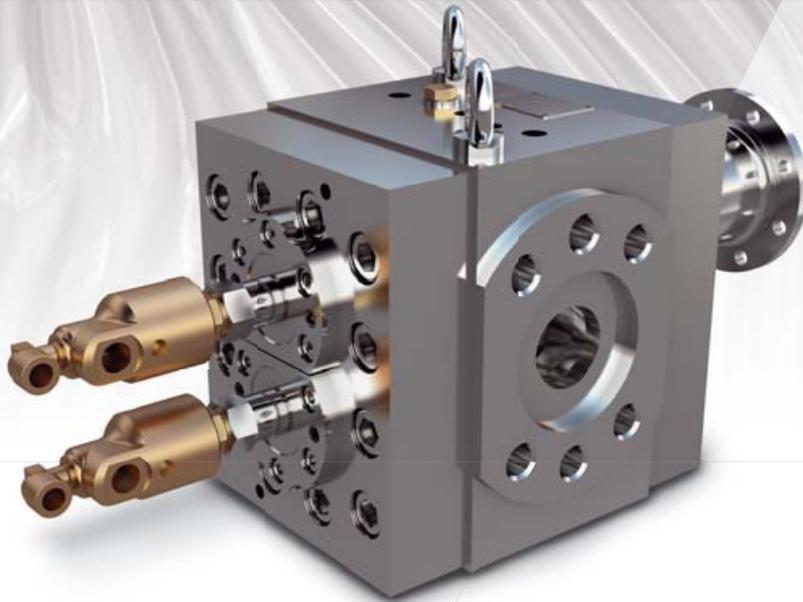


PUMP & FILTRATION SYSTEMS >



extrex⁶ ER

Booster pump for the elastomeric processing industry



Elastomeric processing requires positive displacement devices that gently convey high viscosity rubber through the system. Specifically designed, low compression tooth design allows the extrex⁶ ER transfer, booster or metering gear pump to achieve both high pressure and low shear.

The rubber compound is conveyed with a constant, precise flow even at high discharge pressures – and this also for extremely dry or sticky compounds, where former pump generations reached their limits due to scorch. Additionally, their anyway high efficiency and long life span will extend unrivaled due to reduced internal friction.

Production Capability⁶

- **Endurance Shaft** Improved load capability to raise your differential pressure
- **Augmented Torque** High torque to extend your differential pressure range

Power Density⁶

- **Thermal Mastery** Efficient temperature management to enhance your process security

Process Reliability⁶

- **Dynamic Lubrication** Increased impurity tolerance to secure your uptime
- **Balanced Bearings** Unique self-centering shafts to maximize your process stability

extrex⁶ ER

Booster pump for the elastomeric processing industry



Pumping media

- Elastomers
- Silicone rubber

Options

- Set of rotary joints and fittings for fluid thermoregulation of shafts
- 4 sensor ports in body (2 standard)

Technical specifications:

Housing cover:	Alloy-/Carbon Steel - other material on request
Gear shafts:	Tool steel, special coatings
Gear shaft design:	Spur, helical, double helical
Bearing:	Tool steel / special materials
Shaft seals:	Viscoseal, Viscoseal temperature controlled
Pump heating:	Thermal water or oil
Shaft heating:	Thermal water or oil
Installation:	The extrex [®] rubber gear pump can be flanged between extruder and extruder head as well screen changer or strainer heads
Viscosity:	Up to 30'000 Pas
Mooney:	Up to 120 ML(100)
Temperature:	Up to 120 °C
Suction side:	<ul style="list-style-type: none"> ▪ extrex⁶ ER-6 SP/EP with 4 seal on drive and non drive side ▪ Inlet pressure: up to 150 bar

Model range		extrex ⁶ ER "size"-6 SP*				extrex ⁶ ER "size"-6 EP**			
Δp		up to 400 bar				up to 320 bar			
Discharge pressure		up to 450 bar				up to 370 bar			
Pump size	Spec. Vol. (ccm)	Capacity (kg/h)	rpm (min)		Pump size	Spec. Vol. (ccm)	Capacity (kg/h)	rpm (min)	
50/40	63	15-140	45		50/50	78	20-200	45	
63/50	125	30-240	40		63/63	157	40-350	40	
80/63	250	60-420	35		80/80	317	90-600	35	
100/80	500	120-725	30		100/100	628	170-1,040	30	
125/100	1,000	240-1,200	25		125/125	1,241	370-1,400	25	
160/125	1,980	480-1,920	20		160/160	2,535	700-3,500	20	
200/160	4,030	980-2,920	15		200/200	5,041	1,400-4,200	15	

* SP= Super Pressure

** EP= Extra Pressure

extrex⁶ ER: Compatibility of parts and availability

Spares like shafts, bearings and sealing are not interchangeable with earlier extrex[®] generations.

Interfaces of extrex⁶ ER models like drive hub, suction and discharge design are compatible to Generation 5 extrex[®] RV/RB while overall dimensions may deviate depending on size and application.

The indicated flow capacity range and the maximum pressure of the gear pump is in general depending on characteristics of the medium conveyed.

Please contact MAAG Pump Systems AG product desk for elastomeric processing for specific application.



PUMP & FILTRATION SYSTEMS > MAAG ETTLINGER
 PELLETIZING SYSTEMS > GALA SCHEER AUTOMATIK REDUCTION
 PULVERIZING SYSTEMS > REDUCTION
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