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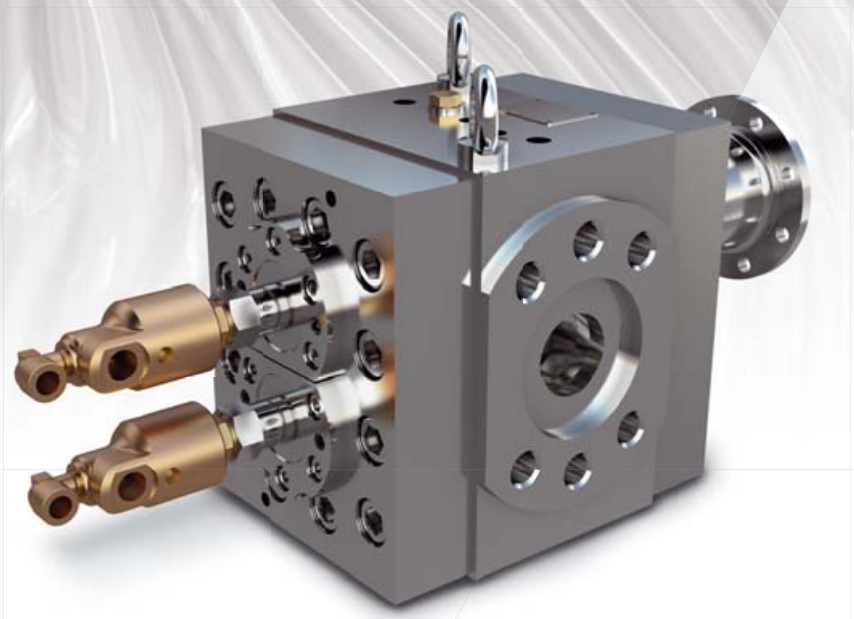
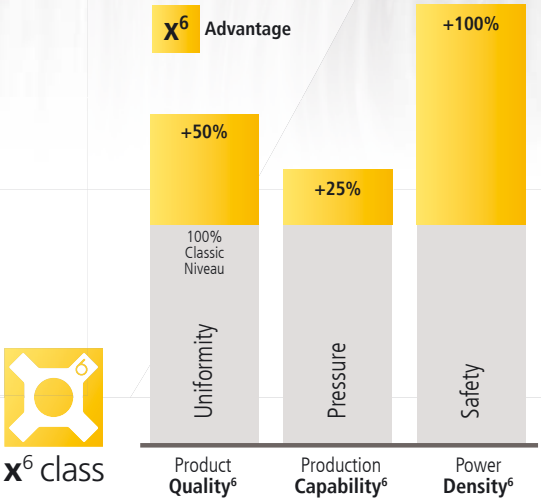
PUMP & FILTRATION SYSTEMS ›





x6 class

extrex6 ER

Booster pump for the elastomeric processing industry

MAAG

Elastomeric processing requires positive displacement devices that gentle convey high viscosity rubber through the system. Specifically designed, low compression tooth design allow 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 temperatur managment 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

x⁶ class

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:	■ extrex⁶ ER-6 SP/EP with 4 seal on drive and non drive side ■ Inlet pressure: up to 150 bar

Model range	extrex⁶ ER "size"-6 SP*			extrex⁶ 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.

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