



extrex⁶ MP

High-pressure gear pump for thermoplastic applications



MAAG gear pumps guarantee constant conveying in extrusion lines and thus highest product quality. With its robust construction, the new extrex[®]-x⁶ MP high-pressure gear pump enables operation in pressure ranges up to 700 bar which is the upper limit for conventional gear pumps. The advanced extrex[®]-x⁶ MP completes MAAG's product range of the gear pumps and prepossesses the ever-increasing demand for high pressure pumps for application in extrusion lines with the usual quality.

Your benefits

- Operation in the high-pressure range up to 700 bar
- High overall level of efficiency due to cutting-edge gear and slide bearing technology
- Flexible use due to simple retro-fitting
- Robust and compact construction
- Low-pulsation conveying even at high-pressure differentials

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x⁶ class

A selection of typical conveying media

- Polyolefines
- Polyester
- Polyamides
- Polycarbonates
- Styrenic polymers
- Expandable polystyrene
- ABS/SAN
- Fluoropolymers
- TPE
- Others upon request

Accessories

- Pedestal and base frame
- Adapter flanges
- Sensors
- Controls, expac[®] total solutions
- Drives

Options

- Melt pressure and melt temperature sensors
- Application-specific material selection
- Cooling for shaft seal
- Foot mounting

Technical data:

Housing, cover:	Alloyed steel
Gear shafts:	Tool steel
Bearing:	Tool steel
Shaft seals:	Alloyed steel

Application limits:

Viscosity:	Up to 30,000 Pas
Temperature:	Up to 350 °C
Inlet pressure:	Up to 200 bar
Discharge pressure:	Up to 700 bar
Pressure differential:	Up to 500 bar

extrex[®]-x⁶ MP

Size:	32 to 125
Specific volume in cm³/U:	12 to 773
Capacity in kg/h:	66 to 4,711
Heating:	<ul style="list-style-type: none"> ▪ Electrical with heating cartridges ▪ Electric and liquid for thermo-sensitive thermoplastics

Mechanical limits, application limits may be different.

Theoretical conveying capacity

Applications		Polypropylene		Polyethylene		Polyester	
Density [g/cm ³]		0.73		0.75		1.15	
extrex [®] -x ⁶ MP size	Specific volume [cm ³ /U]	Max. capacity in kg/h at viscosities of sizes					
		200 Pas	5,000 Pas	200 Pas	5,000 Pas	150 Pas	1,500 Pas
32	12.3	144	76	148	66	195	99
40	24.0	302	158	304	136	396	200
50	48.8	480	252	474	211	610	308
63	97.2	843	444	813	363	1,038	523
80	192	1,349	709	1,271	568	1,605	809
100	385	2,486	1,306	2,284	1,021	2,847	1,435
125	773	4,239	2,227	3,818	1,707	4,711	2,375

The limitation of use depends on the operating conditions. Please contact MAAG for specific applications.

¹⁾ Other certificates and conformities upon request. ²⁾ Higher flow rates upon request. ³⁾ Other materials and designs available.



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 PULVERIZING SYSTEMS > REDUCTION
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