MAAG Group
a DOVER company

PUMP & FILTRATION SYSTEMS ›

extrex® GA

Gear pumps for common thermoplastic extrusion applications

MAAG

This new generation of pumps offers you the same quality characteristics as those of previous generations – excellent reliability and long service life. With over 50,000 MAAG gear pumps in service worldwide, you know that you have competence on your side.

Your benefits

- High overall efficiency and hence minimum abrasion due to leading gear and bearing technology
- Low pulsation pump action also in cases of high differential pressure
- Very simple and compact design

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A range of typical pumping media

- Acrylonitrile-butadiene-styrene
- HD/HMW polyethylene
- LD/LLD polyethylene
- Polyamide 6
- Polybutene
- Polybutylene Teraphthalate
- Polyisobutylene
- Polypropylene
- Polystyrene and HIPS
- Other polymers upon request

Technical specifications:	
Housing & cover:	Alloy steel
Gear shafts:	Tool steel
Bearing:	Tool steel
Shaft seals:	Alloy steel
Pump heating:	Electric
Discharge pressure in bar:	To max. 300
Differential pressure in bar:	To max. 200
Pump size:	45 to 110
Specific volume in cm³/rev:	47 to 723
Throughput range in kg/h:	80 to 4,000

Accessories

Special accessories are only offered with our extrex® and expac® programmes. Our sales team will be pleased to work together with you to work out a solution for your specific needs.

The design of the pump was specifically aimed at creating a technically reliable and economic melt pump which nevertheless meets the high expectations of MAAG's customers. The simple design meets the requirements for standard applications – features needed for far more complex requirements have been omitted.

Options

More complex and demanding applications require a pump from the extrex® series. Our sales department will be happy to give you advice for the layout of this type of gear pump and submit a quotation to you.

Application limits:	
Viscosity:	8,000 Pas
Temperature:	To 350 °C
Inlet pressure:	To 100 bar

Current conveying capacities:

Applications		Polypropylene		Polyethylene		Polyester	
Density [g/cm³]		0.73		0.75		1.15	
Size	**Specific Volume [cm³/rev]**	**Maximum capacity in kg/h at viscosities of**					
		200 Pas	**5,000 Pas**	**200 Pas**	**5,000 Pas**	**150 Pas**	**1,500 Pas**
36	26	245	124	238	96	264	136
45	47	418	220	412	184	531	284
56	94	726	361	699	313	892	480
70	178	1,189	624	1,120	501	1,413	762
90	376	2,132	1,120	1,959	876	2,442	1,301
110	723	3,599	1,891	3,241	1,449	3,999	2,163

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