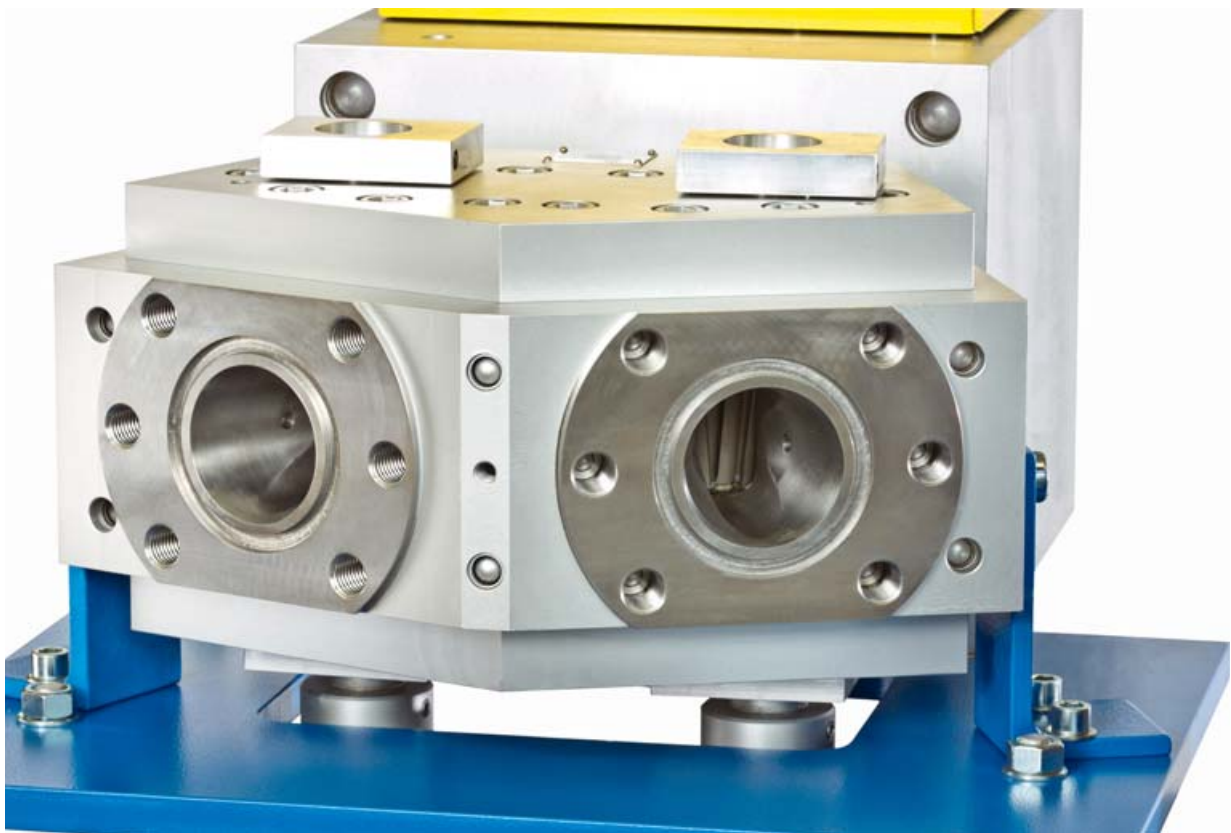


extrex[®] GPD

Twin gear pump for complex extrusion processes



The extrex[®] GPD (general purpose twin gear pump) combines optimally economic and operating efficiency for extrusion lines.

An extrusion line fitted with Maag's newest pump will be capable of running two completely different die head assemblies with distinct throughput and pressure ratings to produce high quality products. The individual output and tool pressure is by design ensured and adjustable.

Your benefits

- Simplified system design of extrusion lines for the production of multi-layer films with variable layer structure
- Improved throughput stability during use of multiple nozzle heads in profile extrusion lines
- Short residence times
- Compact design
- Excellent self-cleaning properties

extrex[®] GPD

for complex extrusion processes

A range of typical pumping media

- Polyolefines
- Polyesters
- Polyamides
- Polycarbonates
- Styrene polymers
- Expandable polystyrene
- ABS/SAN
- Fluoro polymers
- TPE
- Other polymers upon request

Accessories

- Base and base frame
- Adapter flange
- Sensors
- Controllers, expac[®] complete solutions
- Drives

Options

- Defined tolerance classes
- Liquid heating with interconnecting holes
- Fusing pressure/temperature sensor holes in housing
- Choice of materials for every application
- Cooling for shaft seals
- Special seal types

Application limits:

Viscosity: To 30,000 Pas

Temperature: To 350 °C

Inlet pressure: To 120 bar

Technical specifications:

Housing, cover: Alloy steel

Gear shafts: Tool steel

Bearing: Tool steel

Shaft seals: Alloy steel

Pump heating: Electric/liquid

Maag's new extrex[®] GPD twin gear pump reduces complexity while lowering investment costs.

Now only one extruder equipped with the new extrex[®] GPD twin gear pump is required to replace two smaller extruders thus reducing overall capital expenditure and labour costs. As well, it also reduces potential downtime at operations running only one extruder and switching between processes.

The pump is now available for new installations but can also be ordered as a retrofit. Depending on the requirements electric or fluid heating is available, as well as special materials.

Theoretical conveying capacities:

Applications		Polypropylene	Polyethylene		Polyester		
Density [g/cm ³]		0.73	0.75		1.15		
extrex [®] GPD	Specific volume	Maximum capacity in kg/h at viscosities of					
Pump size	[cm ³ /rev]	200 Pas	5,000 Pas	200 Pas	5,000 Pas	150 Pas	1,470 Pas
28	2 x 10.2	262	138	270	120	356	180
36	2 x 25.6	558	292	562	252	732	370
45	2 x 46.3	872	458	860	384	1,108	560
56	2 x 92.6	1,514	796	1,458	652	931	938
70	2 x 176	2,488	1,308	2,344	1,048	1,480	1,492
90	2 x 371	4,456	2,340	4,094	1,830	5,102	2,572