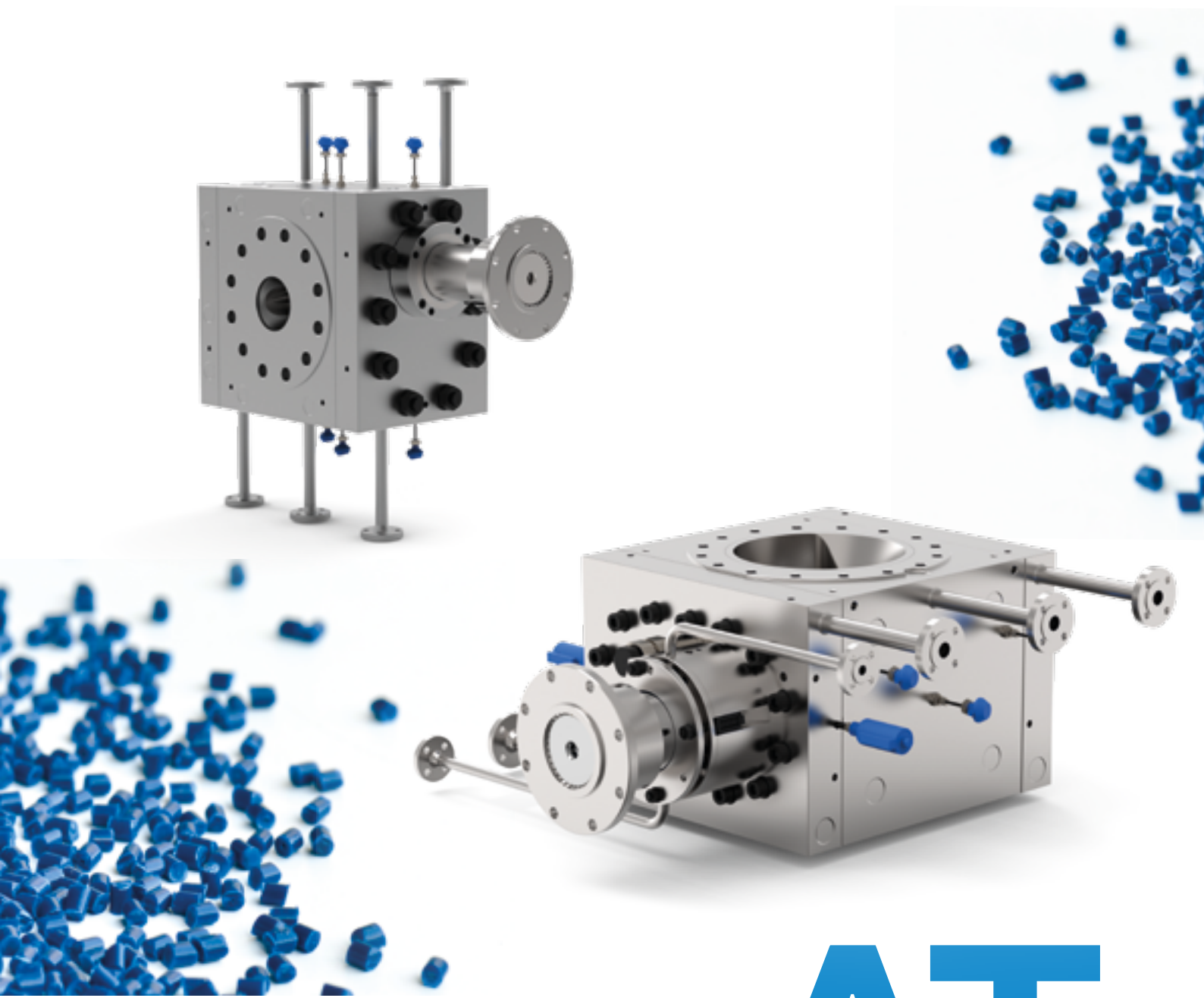


MADE IN GERMANY

The new design for polymer pumps Advanced technology



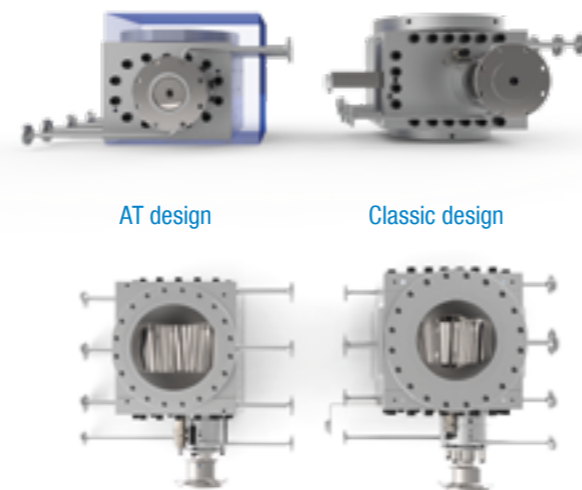
AT
DESIGN

The new AT-Design

More efficiency

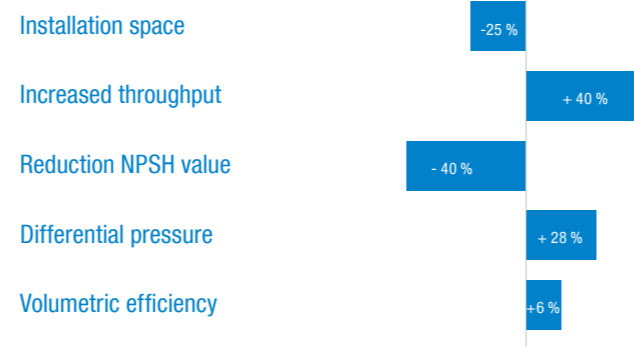
The demands on plants, processes and equipment are constantly increasing. So to live up to the demand for greater efficiency, higher throughput and lower reject rates, we have completely overhauled our entire range of polymer pumps.

All core components have been redesigned: friction bearings, housings and gears have all been modified. The result: a more compact pump with improved efficiency.



AT versus classic

AT pumps offer customers multiple advantages over conventional pumps. For example, AT pumps achieve significantly higher throughput than pumps in classic design with the same footprint. Thanks to optimised gears and the adapted housing geometry, this increase in throughput can be achieved without changing the installation size.



Advantages:

- Lower bearing temperature, leading to lower stress on the polymer
- Optimised inlet geometry, leading to minimal pressure loss and therefore minimal dwell times of the polymer in the reactor
- Three different flange types each (EN 1092-1 or ANSI B16.5)
- Three different pressure versions (200 bar, 250 bar, 320 bar)
- Larger viscosity range
- Simplified handling thanks to lower weight
- Increased throughput of up to 40% without changing the installation size
- Lower shear
- Improved product quality
- Reduced heat input
- Simplified spare part management thanks to the use of identical components for all series

Available sizes for POLY-AT and BOOSTER-AT series

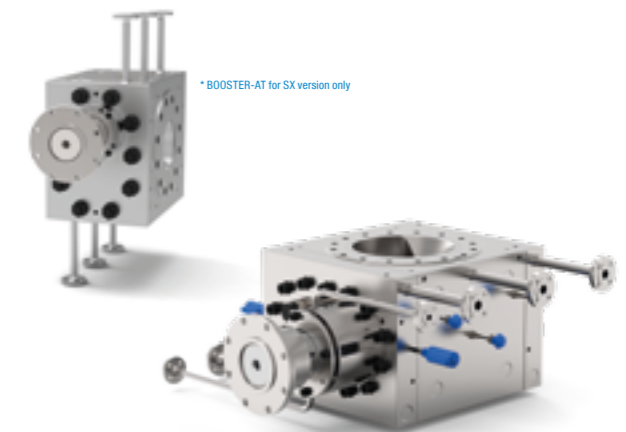
611-100-100	1210-125-125	2460-160-160	4890-200-200	6860-224-224	9550-250-250	13400-280-280
3,500 kg/h	5,500 kg/h	8,700 kg/h	14,000 kg/h	17,000 kg/h	21,200 kg/h	27,000 kg/h
764-100-125	1550-125-160	3080-160-200	6110-200-250	8570-224-280	12200-250-320	17200-280-360
4,500 kg/h	7,100 kg/h	11,000 kg/h	17,400 kg/h	21,500 kg/h	27,100 kg/h	34,700 kg/h
977-100-160	1930-125-200	3850-160-250	7820-200-320	11000-224-360	15300-250-400	21500-280-450
5,700 kg/h	8,900 kg/h	13,700 kg/h	22,300 kg/h	27,600 kg/h	34,100 kg/h	43,500 kg/h

Features

PRESSURE LEVELS	HOUSING VERSIONS*	PRODUCT CONNECTIONS	MEDIA/FLUIDS/POLYMERS
200, 250, 320 bar versions	SX, MX, LX	EN 1092-1 or ANSI B16.5	PP, PET, ABS, PA, EPS, PC and more

Maximum flexibility

The AT-Design offers exceptional flexibility when it comes to installations beneath the polymer melting reactor. Customers can choose from three different flange geometries to ensure they are always benefiting from the best combination of reactors and pump flanges from both a technical and economical perspective.



SX version:

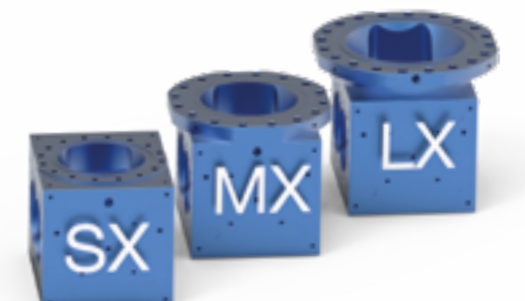
- Flange geometry integrated in the housing
- Minimal installation space

MX version:

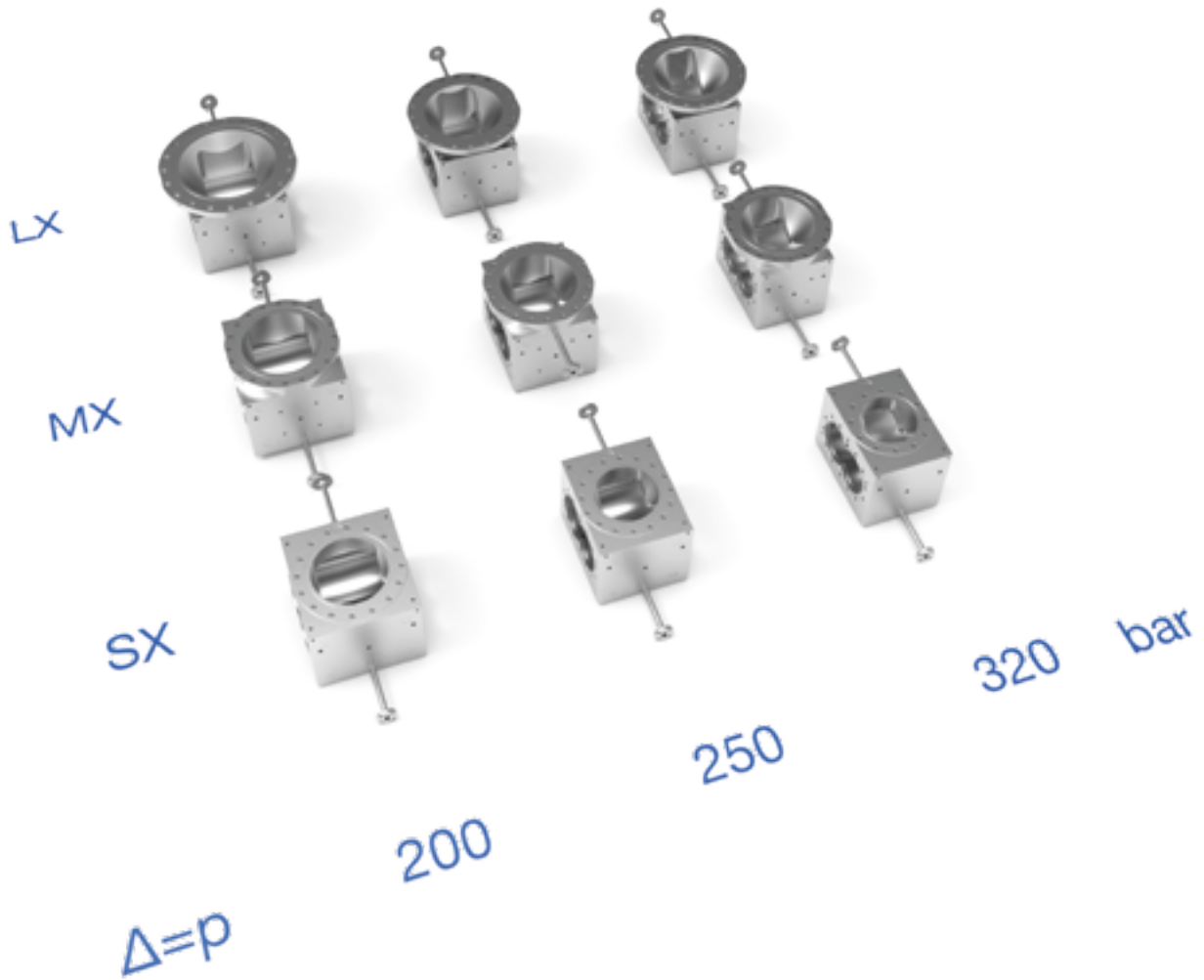
- Blind holes in flange
- Largest possible cross section
- Minimal pressure loss
- Ideally suited for highly viscous polymers

LX version:

- Flange with through holes
- Maximum flexibility for the installation
- Very low pressure loss



The new matrix for your success!



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