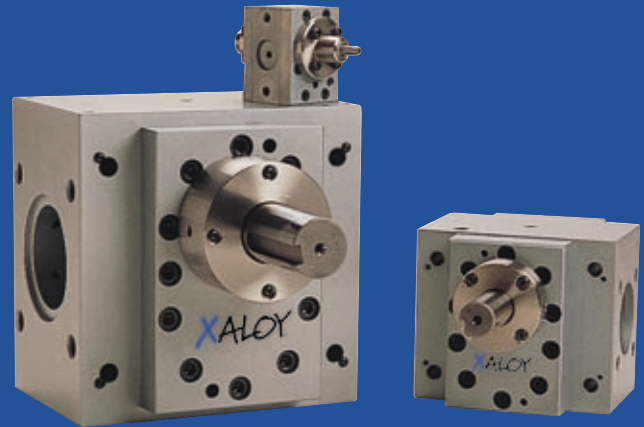


Standard Melt Pumps (MSDP)

- Significant Material Savings
- Higher Product Quality
- Less Scrap and Runs Regrind
- Reduce Load on Your Extruder



The additional control of a Xaloy Melt Pump installation also provides you with more production line flexibility, first by shortening start-up times on difficult materials and second, by processing multiple polymers with the same screw. The Xaloy EMPAC Control closes the loop from pump inlet pressure to extruder drive while monitoring downstream pressure to eliminate any problems due to downstream line stoppage.

Benefits

- Material Savings
- Increased Output
- Increased Extruder Life
- Faster Start Ups
- Lower Processing Temperature
- More Accurate Gauge Control
- Reduced Scrap
- Lower Shear Stress
- Process Recycled Materials
- Fast Paybacks
- Sizes Available for all Products/Extruders

Extrusion Line Synchronization Made Easy. With an Xaloy pump between your extruder and die you can directly dial in gauge control, eliminating extruder surge and screw beat at the die. Extruder screws efficiently melt, mix and convey polymer, but are not as efficient at providing a consistent pressure and volume to the die. A melt pump, while not a mixing or melting device, is extremely efficient at building pressure and metering the polymer output.

The Xaloy Melt Pump is a positive displacement device which provides a linear output over a wide range of operating conditions.

A closed-loop drive control varies extruder screw speed to assure an adequate amount of polymer to the pump regardless of inlet pressure variations due to extruder surge and screw beat. Precise construction makes Xaloy Melt

Pumps extremely accurate volumetric metering devices. Each gear tooth "bucket" carries a precise, repeatable amount of polymer melt to the output side of the pump.

Integrate the Systems

Put an Xaloy Screen Changer in front of the Xaloy Melt Pump and further increase the productivity of the extrusion line all from one company.

Melt Pump Options

- Adaptors
- Controls
- Drive Systems
- Stands
- Internal Fluid Channels (Heat/Cool)
- Manual Screen Changers
- Hydraulic Screen Changers
- Continuous Screen Changers
- Static Mixers
- Divert Valves

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XALOY

every pellet knows our name™

Standard Melt Pumps (MSDP)

Specifications

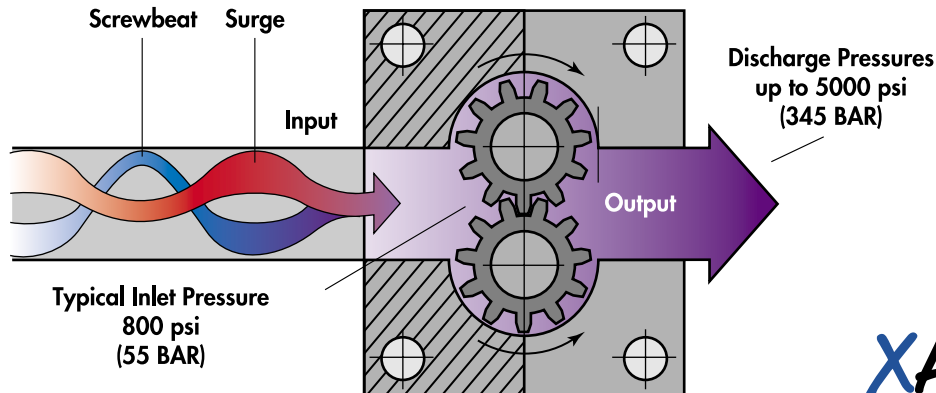
	MODEL MSDP 050/006	MSDP 050/012	MSDP 050/025	MSDP 090/020	MSDP 090/039	MSDP 110/022	MSDP 110/043	MSDP 110/078	MSDP 110/110	MSDP 155/080	MSDP 155/155	MSDP 183/183
CC/REV	0.11	0.21	0.43	0.59	1.2	2.1	3.9	7.1	10.1	16.7	33.1	58.0
LBS/RPM @ S.G. = 1.0	0.015	0.028	0.057	0.078	0.155	0.272	0.519	0.942	1.3	2.2	4.4	7.7
KG/RPM @ S.G. = 1.0	0.007	0.013	0.026	0.035	0.070	0.123	0.236	0.427	0.604	1.0	2.0	3.5
Thruput/min. 1.0 S.G. @ 5 rpm (lbs/hr)	0.07	0.14	0.28	0.39	0.77	1.4	2.6	4.7	6.7	11.0	21.9	38.3
Thruput/min. 1.0 S.G. @ 5 rpm (kg/hr)	0.03	0.06	0.13	0.18	0.35	0.62	1.2	2.1	3.0	5.0	9.9	17.4
Thruput/max. 1.0 S.G. @ 100 rpm (lbs/hr)	1.5	2.8	5.7	7.8	15.5	27.2	51.9	94.2	133.2	221.0	437.6	766.3
Thruput/max. 1.0 S.G. @ 100 rpm (kg/hr)	0.66	1.3	2.6	3.5	7.0	12.3	23.6	42.7	60.4	100.0	198.4	347.5
Total kw	0.8	0.8	0.8	0.8	0.8	0.6	0.6	0.68	0.68	1	1.6	1.6
Weight lbs	7	7	7	7	7	22	22	22	22	49	48	65
Weight kg	3	3	3	3	3	10	10	10	10	22	22	29

	MODEL MSDP 240/240	MSDP 275/275	MSDP 300/300	MSDP 350/350	MSDP 430/430	MSDP 550/550	PCP 600/300	PCP 600/400	PCP 600/500	PCP 700/525	PCP 880/660
CC/REV	114.7	179.3	282.5	376.7	728	1150	1103	1471	1838	2407	4665
LBS/RPM @ S.G. = 1.0	15.2	23.7	37.3	49.8	96	152	146	194	243	318	617
KG/RPM @ S.G. = 1.0	6.9	10.7	16.9	22.6	44	69	66	88	110	144	280
Thruput/min. 1.0 S.G. @ 5 rpm (lbs/hr)	75.8	118.5	186.7	248.9	481	760	729	972	1215	1591	3083
Thruput/min. 1.0 S.G. @ 5 rpm (kg/hr)	34.4	53.7	84.7	112.9	218	344.7	331	441	551	721	1398
Thruput/max. 1.0 S.G. @ 100 rpm (lbs/hr)	1515.6	2370.1	3733.1	4977.9	-	-	-	-	-	-	-
Thruput/max. 1.0 S.G. @ 100 rpm (kg/hr)	687.3	1074.9	1693.0	2257.5	-	-	-	-	-	-	-
Thruput/max. 1.0 S.G. @ 50 rpm (lbs/hr)	-	-	-	-	4809	7600	7288	9720	12146	15905	30826
Thruput/max. 1.0 S.G. @ 50 rpm (kg/hr)	-	-	-	-	2181	344.7	3305	4408	5508	7213	13980
Total kw	3	4	4	4	9	14	16	(c o n s u l t a t o r y)			
Weight lbs	135	188	240	310	700	1340	1500	1625	1750	2300	2900
Weight kg	61	85	109	141	317	608	680	737	794	1043	1315

Maximum Operating Pressure: 5,000 psig (345 BAR)
 Maximum Differential Pressure: 4,000 psig (276 BAR)
 Maximum Temperature: 650 F (343 C)
 Transducer Ports: 4 locations in body for 155 size and larger pumps

Note: The MJEP model is an option for both the MSDP and PCP models. The pump body has internal channels to accept a heat/cool fluid media. The MJEP option is utilized for heat sensitive polymers when very accurate temperature regulation is required.

Our worldwide presence includes sales and service offices located in the United States, Europe, Thailand, Japan, China and India and a global network of agents geographically positioned to serve customers throughout the world.



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