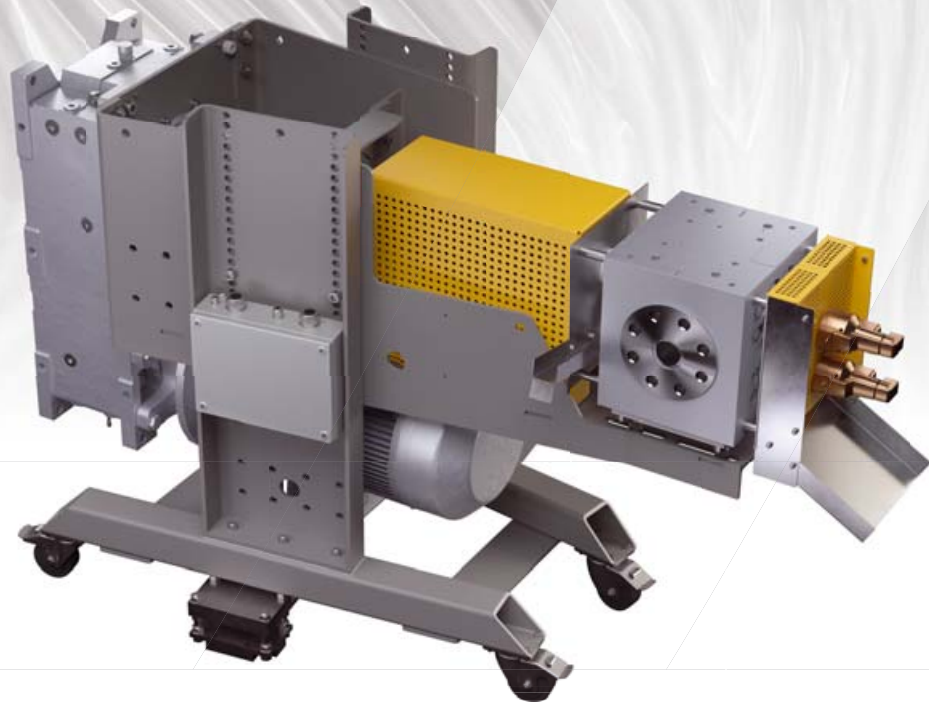


PUMP & FILTRATION SYSTEMS ›



extre^{x6} EC for PVC application



Extrusion operations require extremely reliable gear pump systems with high output consistency and a configuration to suit each application. The modular design of extre^x gear pumps easily meets the requirements for these diverse applications.

The extre^{x6} EC gear pump is generally designed for PVC applications. The new pump design is optimized to the needs of processing PVC.

All pumps are equipped with ST design (flow optimized). In addition, the process temperature is controlled by an innovative shaft cooling solution.

Your Benefits

- **+ 50 %** more throughput or
- **+ 50 %** energy savings
- **- 40 %** less temperature increase
- **- 90 %** less pulsation

Outlet pressure: up to 520 bar

extrex⁶ EC for PVC application



Process advantages

Processing shredded PVC offers benefits such as higher throughput and potential energy cost savings, while also ensuring process stability. Additionally, the step involving pellets can be generally eliminated, optimizing the overall production process.



Processing PVC pellets offers the advantage of achieving higher pressure levels with the help of a gear pump, which leads to reduced pulsations and lower energy costs. This ensures efficient operation while optimizing the overall stability of the process.



Processing PVC powder offers advantages such as reducing the pressure load on the extruder since the pump takes over the pressure build-up, resulting in increased process stability. This also leads to fewer pulsations, optimizing the overall efficiency of the production process.

Pump	extrex ⁶ EC GU			
Throughput (kg/h)	70 - 2500	Pump size	Spec. Vol. (ccm)	Throughput (kg/h)
Pump size	40 - 125	40	48	73
Inlet Pressure (bar)	120	50	96	147
Differential Pressure (bar)	250	63	194	297
Outlet Pressure (bar)	370	80	385	589
		100	764	1170
		125	1555	2373
		160	on request	on request

*Design values, application range may differ depending on product.

Pump	extrex ⁶ EC SP			
Throughput (kg/h)	40 - 1500	Pump size	Spec. Vol. (ccm)	Throughput (kg/h)
Pump size	40 - 125	40	31	47
Inlet Pressure (bar)	120	50	61	93
Differential Pressure (bar)	400	63	122	187
Outlet Pressure (bar)	520	80	242	371
		100	489	749
		125	966	1479
		160	on request	on request

*Design values, application range may differ depending on product.

