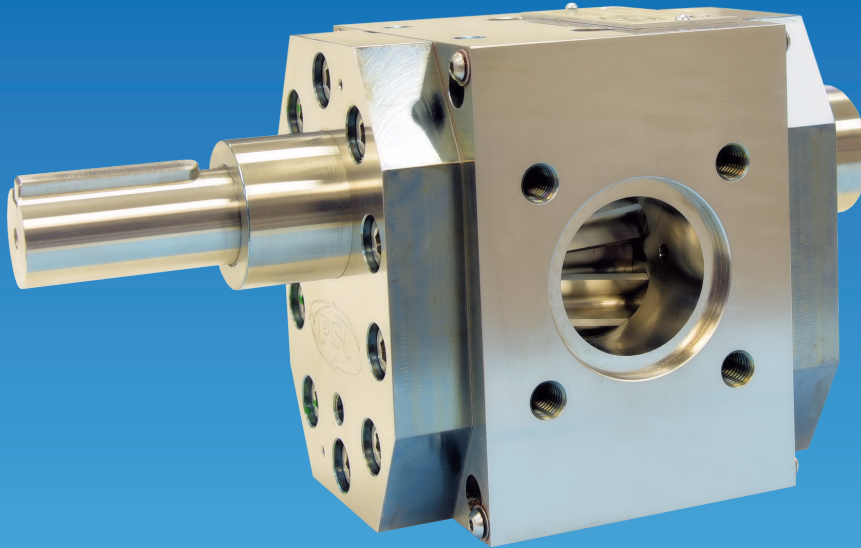




Get More from Your Process



## Fluoropolymer Gear Pump (FGP)

PSI Fluoropolymer Gear Pumps (FGP) are engineered to meet the unique processing demands of fluorinated polymers, such as FEP, ETFE, PTFE, PFA, PVDF. Manufactured from a nickel-chromium superalloy, FGP gear pumps have excellent mechanical strength at high temperatures and are highly resistant to corrosion. Applied primarily for tube, profile, coating, and film, these highly accurate gear pumps suppress extruder surge up to 50:1 and offer exceptional metering control, steady die pressure and uniform gauge. Each full revolution of the tight-tolerance, counter-rotating gears delivers a precise linear volume of output, assuring optimal efficiency across the speed range.

### Features

- Corrosion-resistant superalloy throughout\*
- Visco seals – 30%-50% more seal area than any other competitor
- Up to 99.8+% efficient
- Electric heat
- Compact, low-profile design

\*FGP gear pumps are designed for use with fluorinated polymers only. Use with other polymers will damage the pump.

# Fluoropolymer Gear Pump (FGP)

## Options

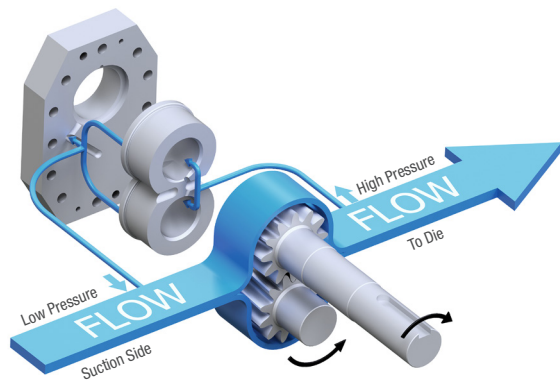
- Seal cooling
- High pressure
- Internal fluid heat/cool
- Cart mounted J-box
- Hazardous location classification
- Synchronized haul-off control (integrated in PSI supplied PLC gear pump controller)

## Accessories

- Support cart
- Variable Frequency Drives
- Pressure Instruments
- Adaptors
- Motor encoders
- PCL Controls
- Heat control

## Applications

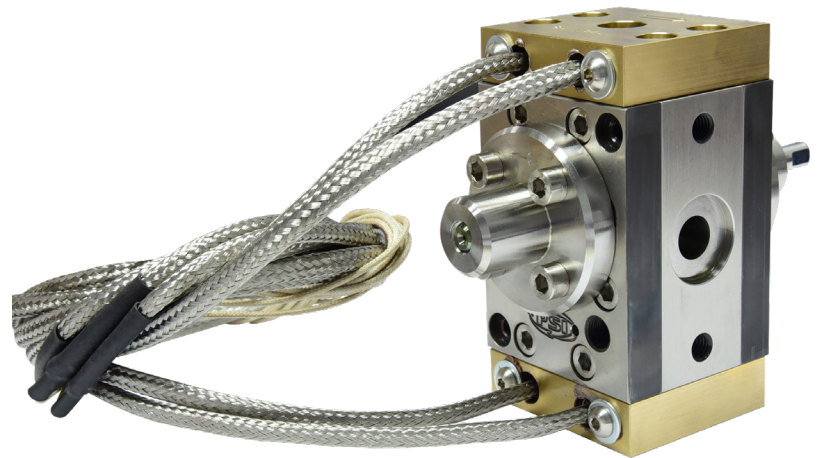
- Healthcare
- Aerospace
- Climate Control
- Electromechanical
- Wire coating
- Automotive
- Food processing



## Technical

Specifications	Standard
Throughput rate (pph) [kg/h]*	.2 - 500 [.09 - 227]
Displacement (cc/rev)	.11 - 58
Temperature (°F) [°C]	Up to 850 [455]
Max operating pressure (PSI) [bar]	Max. 3,000 [207]
Differential pressure (PSI) [bar]	Max. 2,000 [138]
Heating	Electric/Fluid

\* Higher throughputs available. Consult factory



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