

FLUID HANDLING PUMPS AND SYSTEMS FOR THE POLYURETHANE INDUSTRY



INNOVATIVE, INDUSTRY-LEADING SOLUTIONS

As one of the largest positive displacement pump manufacturers in the world with a broad range of centrifugal technologies, CIRCOR supplies the pumps and engineered systems you need to ensure reliable polyurethane processing operations with the utmost attention to lifecycle cost effectiveness. Our comprehensive pumping portfolio delivers the industry's broadest capabilities to handle your most demanding polyol and isocyanate pumping requirements with a focus on seal-less technologies across the process spectrum. From the terminal to the metering of your precise blending requirements, CIRCOR has a technology in our portfolio to provide the right value proposition for your application.

TECHNOLOGY STRENGTHS

- ◀ Seal-less Designs
- ◀ Mag Drive and Can Motor
- ◀ Wide viscosity range
- ◀ Smooth, pulsation free flow
- ◀ Low Shearing
- ◀ High pressure capability

PERFORMANCE DATA RANGE

- ◀ Capacities from .05 cc/ rev to 20,000 GPM
- ◀ Discharge pressures up to 4000 PSI
- ◀ Inlet pressures up to 360 PSI
- ◀ Temperature of pumped liquid up to 650 °F
- ◀ Viscosity range from 1cst to 100,000 cP

FIND YOUR POLYURETHANE APPLICATION

Applications	Pump Type					
	Precision Gear	Multi-Screw	2 Screw	Progressive Cavity	Centrifugal	Peristaltic (Hose)
Polyol						
Metering	•					
Mixing System	•	•		•		
Bulk Storage Tank Unloading		•	•	•		•
Transfer	•	•	•	•		•
Tank Stripping			•			
Boosting	•	•		•		•
Isocyanate (MDI TDI)						
Metering	•					
Mixing System	•	•				
Bulk Storage Tank Unloading		•			•	
Transfer	•	•			•	
Tank Stripping						
Boosting	•	•				
Thermal Oil (Heating Systems)						
Heating Systems					•	

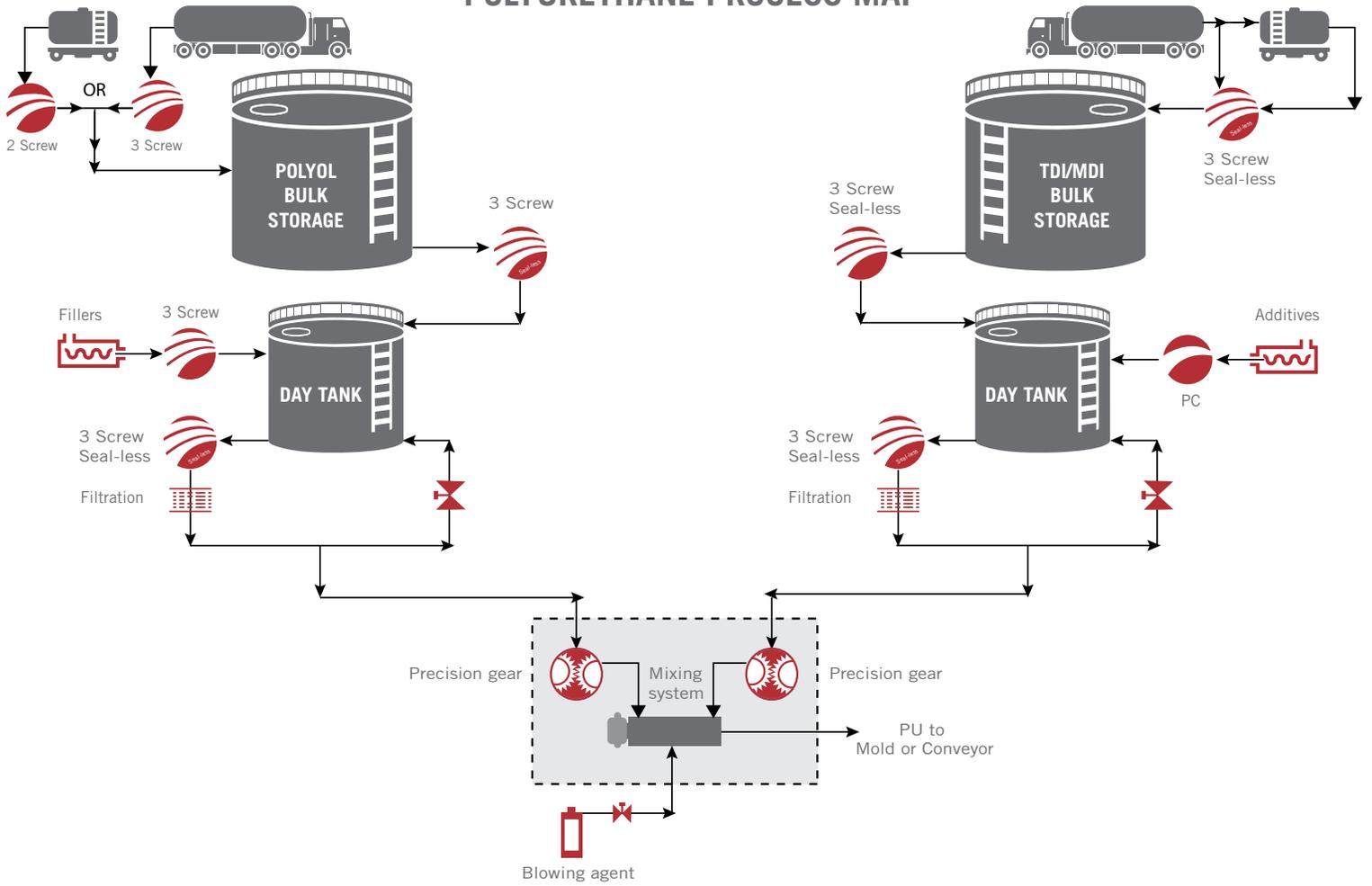
Seal-less Technologies •



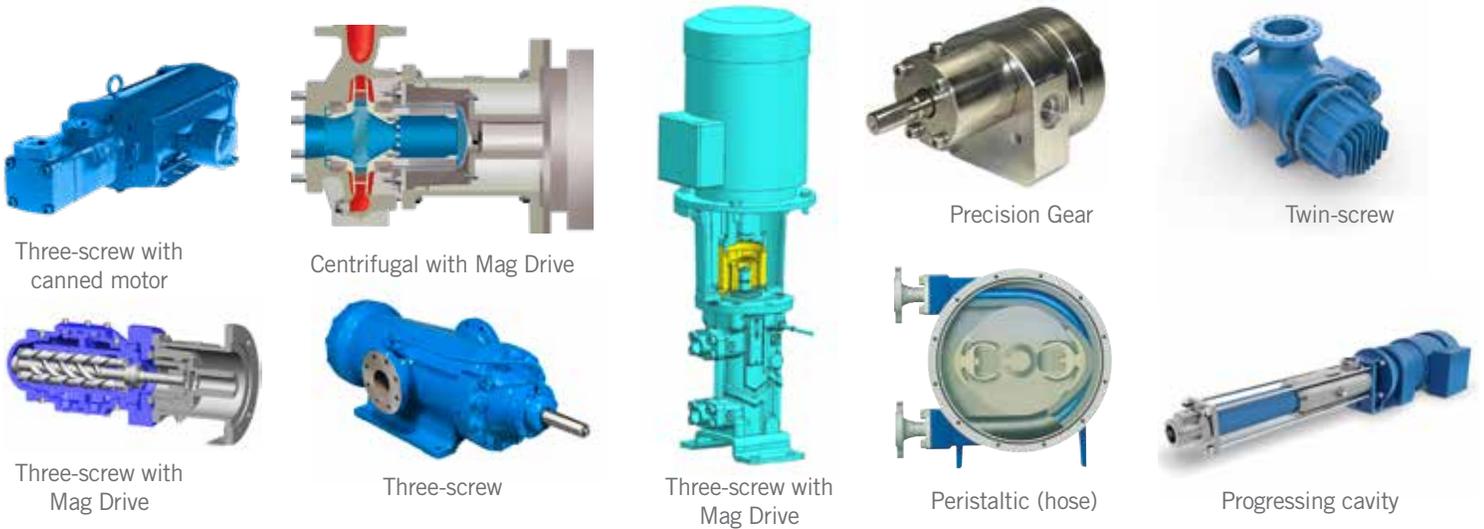
ALLWEILER® HOUTTUIN™
 IMO® TUSHACO®
 WARREN® ZENITH®



POLYURETHANE PROCESS MAP



WIDE RANGE OF PRODUCT TECHNOLOGIES



ALLWEILER® HOUTTUIN™
 IMO® TUSHACO®
 WARREN® ZENITH®

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