

FLUID HANDLING PUMPS AND SYSTEMS FOR THE ADHESIVES AND SEALANTS INDUSTRY



INNOVATIVE, INDUSTRY-LEADING SOLUTIONS

As one of the largest positive displacement manufacturers in the world, with a broad range of centrifugal technologies, CIRCOR supplies the pumps and engineered systems you need to ensure your adhesive and sealants processing operations have the utmost reliability and lowest life cycle cost possible. Our comprehensive pumping portfolio delivers the industry's broadest capabilities to handle your most demanding pumping requirements. From bulk chemical handling to metering your most precise blending requirements, CIRCOR has a technology in our portfolio to provide the right value proposition for your application.

TECHNOLOGY STRENGTHS

- ◀ Wide range of pump technologies that offer versatility
- ◀ Wide viscosity range
- ◀ Lowest suction requirements
- ◀ Standard or fully customized designs
- ◀ Low or no shear designs

PERFORMANCE DATA RANGE

Viscosity:	0.5 to 2 Million CP
Suction Pressure:	0 to 1800 PSI
Discharge Pressure:	Up to 2000 PSI
Temperature:	Up to 750° F
Flow rates:	0.05 cc/rev to 1000's GPM

FIND YOUR ADHESIVES AND SEALANTS APPLICATION

Applications	Pump Type				
	Precision Gear	2-Screw	Progressive Cavity	Peristaltic (Hose)	Centrifugal
Charge					•
Chemical Blending		•	•		
Dosing	•		•	•	
Metering	•		•		
Circulation/Blending		•	•		
Flushing		•	•		•
Vessel Discharge/Unloading		•	•		
Transfer		•	•		
Dispensing/Packaging	•			•	
Extrusion			•		
Thermal Heating	•	•			•

PRODUCTS

- ◀ Adhesives
- ◀ Sealants
- ◀ Gasketing
- ◀ Impregnants
- ◀ Encapsulating
- ◀ Glue
- ◀ Silicone
- ◀ Masking
- ◀ Chalking compound
- ◀ Epoxies
- ◀ Coatings



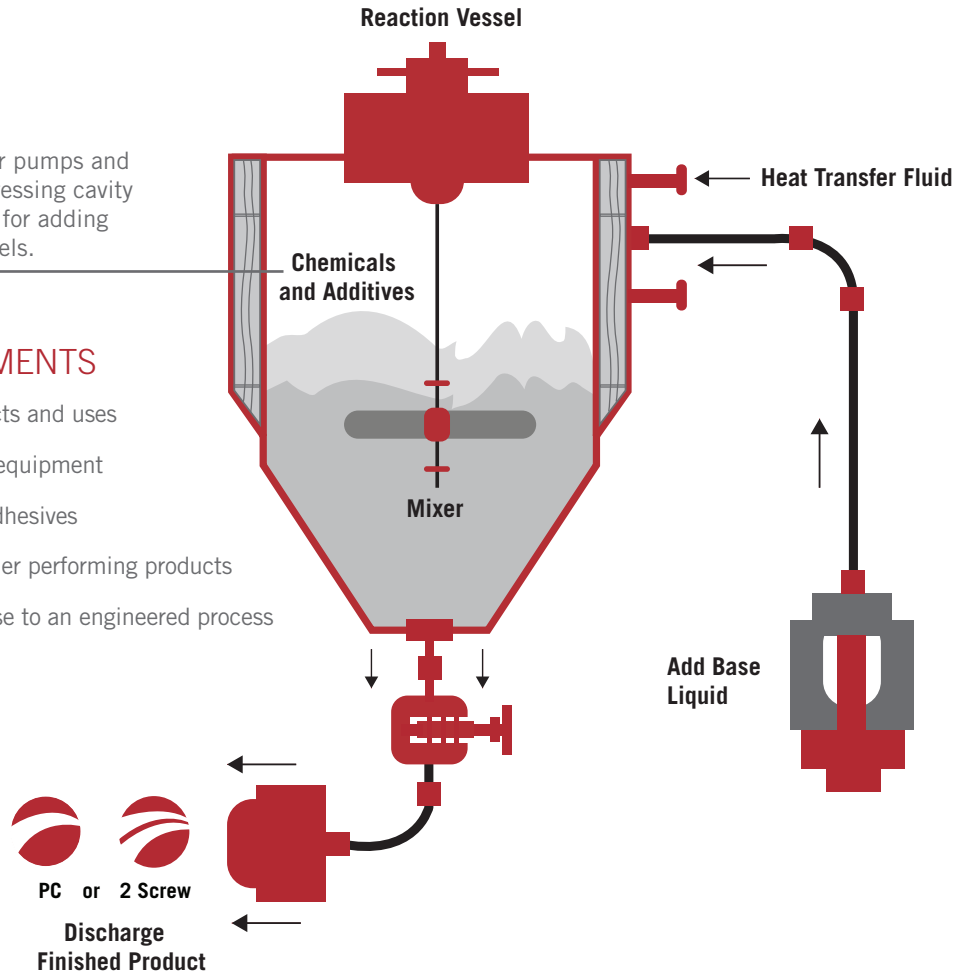
ALLWEILER® HOUTTUIN™
IMO® TUSHACO®
WARREN® ZENITH®

EXAMPLE OF A TYPICAL BATCH OPERATION MIXING AND BLENDING

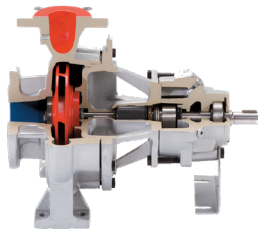
CIRCOR's Zenith precision gear pumps and Allweiler's peristaltic and progressing cavity pump technologies are perfect for adding chemicals into the mixing vessels.

INDUSTRY REQUIREMENTS

- ◀ Continually changing products and uses
- ◀ Variations in processes and equipment
- ◀ New and growing uses for adhesives
- ◀ Increasing demands for higher performing products
- ◀ Need for engineered response to an engineered process



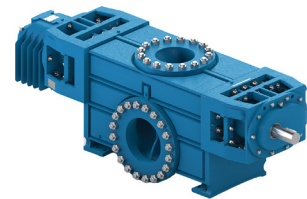
WIDE RANGE OF PRODUCT TECHNOLOGIES



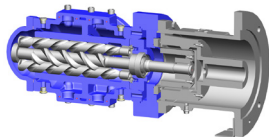
Centrifugal



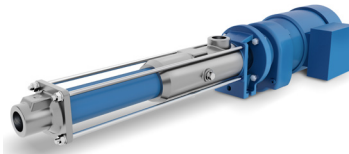
Precision Gear



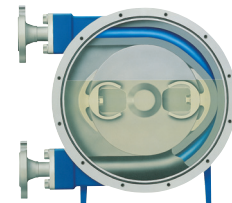
Twin-screw



Three-screw with Mag Drive



Progressing cavity



Peristaltic (hose)



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