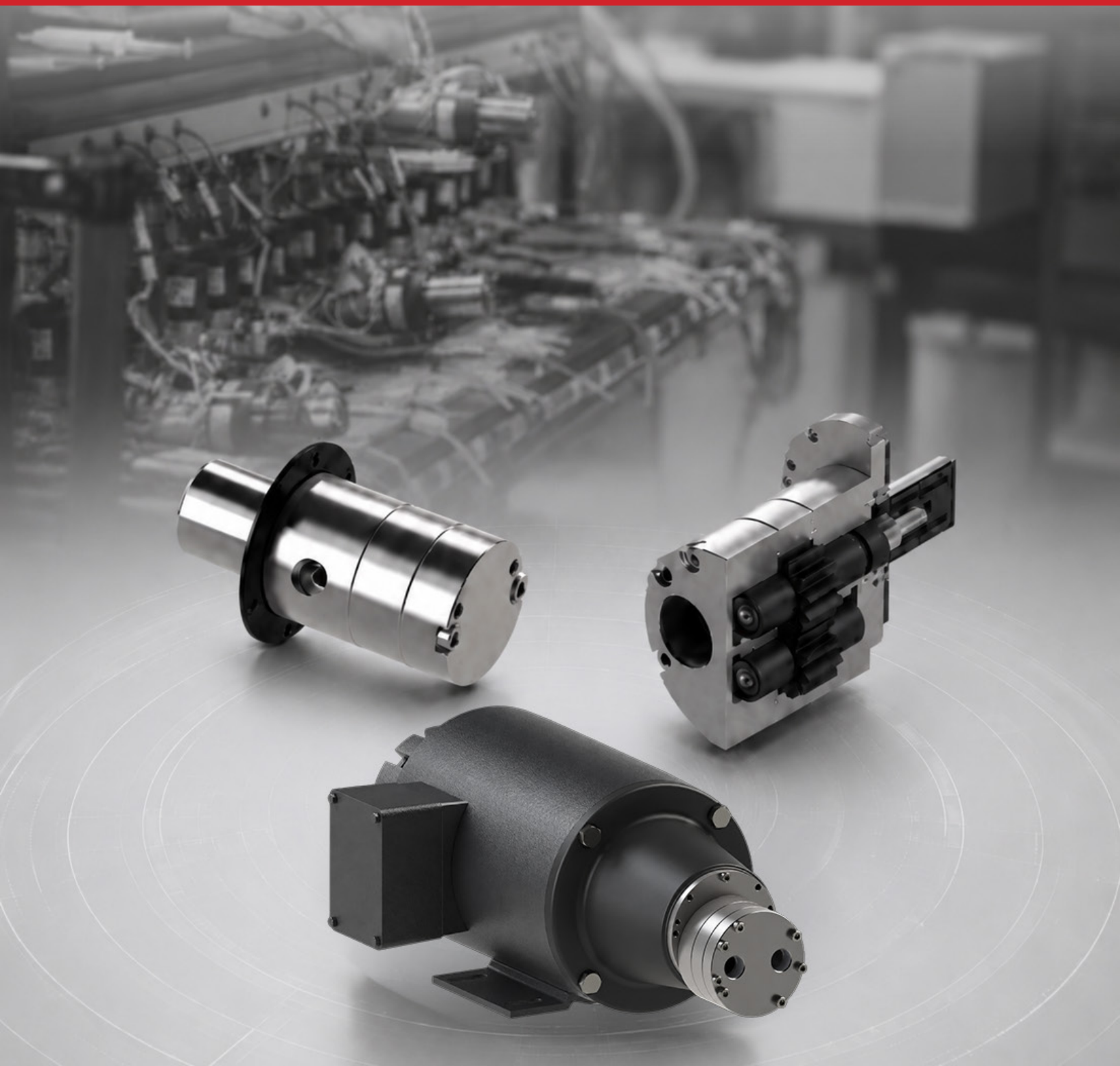
ARO®

TECHNAFLO

D, T & W Series

Precise Flow Rate

Magnetically Coupled Precision Pumps

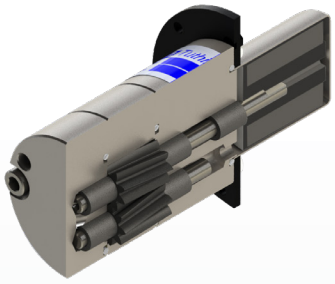


MAGNETICALLY COUPLED EXTERNAL GEAR PUMPS

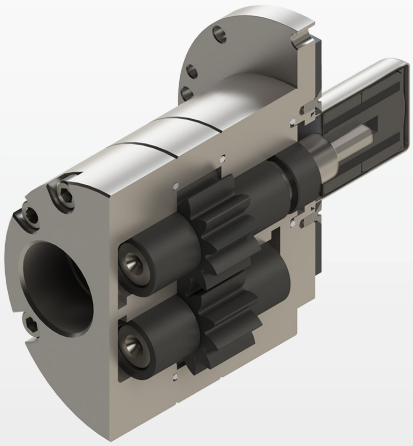
…with more than 40 years of experience

The TechnaFlo Series pumps are engineered to deliver precise and accurate flow, completely leak free. This makes them the ideal solution for metering or dosing, as well as circulating applications where pump life and reliability are critical.

D SERIES
PUMPS



T SERIES
PUMPS



EXCEPTIONAL PUMP LIFE

- 5 bearings to support shaft deflection
- No dynamic seals for leak-free operation
- 20,000 hour pump life

OUTSTANDING PERFORMANCE

- Metering accuracy within 1%
- Pulse-free flow
- Consistent flow can handle high differential pressures

WIDE COMPATIBILITY

- 316 SS or Hastelloy C construction
- Highly-engineered plastics for gears and bearings
- Standard offering covers a wide range of applications

METERING CAPABILITIES

- **Accuracy**
  Metering accuracy within 1%
- **Will Not Vapor Lock**
  PPS and PEEK gears can handle mixed-phase fluids
- **Smooth Flow**
  Rotary external gear pumps do not require pulsation dampeners
- **Low NPSH Requirement**
- **Self Priming**

MOTOR & DRIVE OPTIONS

D & T series pumps have a variety of drive options for constant speed or variable speed requirements.

- NEMA C-Face
- BLDC
- IEC Flanged

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D SERIES

Flow range: 6 to 121 GPH (2.3 to 458 LPH)

Nominal pressures to 250 PSI (17.2 BAR)

System pressure to 500 PSI (34.5 BAR)

Viscosities from 0.3 CPS to 2,000 CPS without speed reduction

Temperatures: -50°F to 350°F (-46°C to 176°C)

ATEX Certified

	MAXIMUM DIFFERENTIAL PRESSURE				FLOW @ 0 PRESSURE	
DISPLACEMENT	INTERMITTENT		CONTINUOUS		3500 RPM	2900 RPM
ML/REV	PSI	BAR	PSI	BAR	GPH	LPH
.11	150	10.3	150	10.3	6	18
.19	150	10.3	150	10.3	10	31
.23	250	17.2	250	17.2	12	38
.38	250	17.2	250	17.2	20	63
.57	250	17.2	250	17.2	30	94
.68	250	17.2	200	13.8	35	112
.80	250	17.2	200	13.8	42	132
.99	200	13.8	140	9.7	52	164
1.2	200	13.8	140	9.7	63	198
1.3	175	12.1	125	8.6	68	215
1.6	150	10.3	100	6.9	84	264
2.0	150	10.3	100	6.9	105	331
2.3	150	10.3	100	6.9	121	380

Maximum speed is 5000 RPM

T SERIES

Flow range: 20 to 650 GPH (75 to 2460 LPH)

Nominal pressures to 250 PSI (17.2 BAR)

System pressure to 500 PSI (34.5 BAR)

Viscosities from 0.3 CPS to 2,000 CPS without speed reduction

Temperatures: -50°F to 350°F (-46°C to 176°C)

ATEX Certified

		MAXIMUM DIFFERENTIAL PRESSURE				FLOW @ 0 PRESSURE	
	MAXIMUM SPEED	INTERMITTENT		CONTINUOUS		3500 RPM	2900 RPM
ML/REV	RPM	PSI	BAR	PSI	BAR	GPH	LPH
2.6	5000	250	17.2	150	10.3	137	430
5.3	5000	145	10	100	6.9	279	876
7.9	4000	95	6.6	70	4.8	416	1306
8.0	4000	150	10.3	125	8.6	421	1343
12.0	4000	120	8.2	100	6.9	650	2015

W SERIES
PUMPS

W Series is based on D & T Series platforms with standard enhancements:

- Driven magnets are completely seal welded to stand up to aggressive chemicals
- 316 SS or Hastelloy C metallurgy standard
- Chemical-resistant magnet housing coating standard

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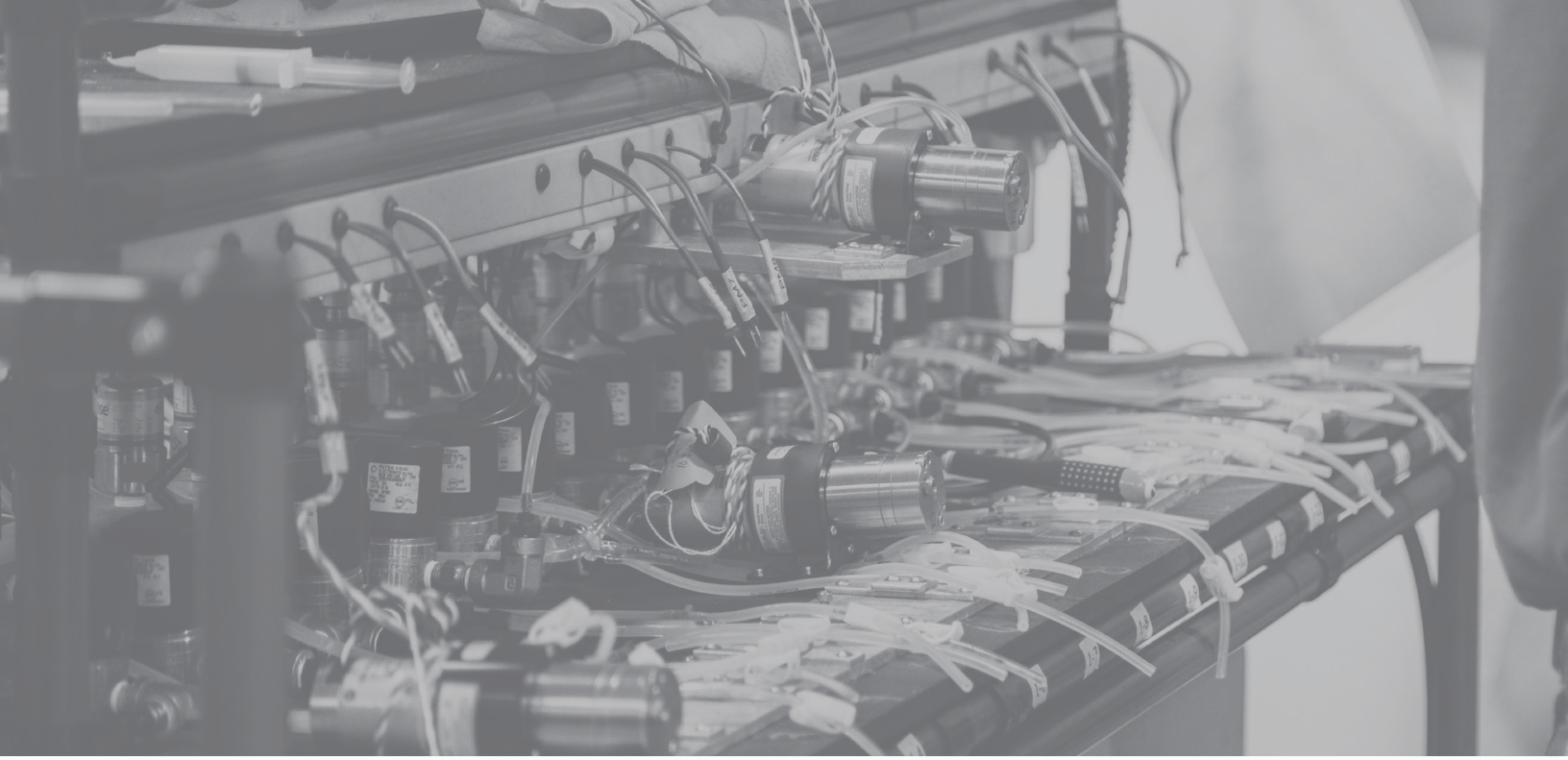

INDUSTRIES AND APPLICATIONS

- Agriculture
- Biodiesel
- Chemical
- Electronics Cooling
- Food & Beverage
- Imaging Cooling
- Medical Equipment
- Oil & Gas
- Paints, Coating, & Printing Inks
- Personal Products
- Pulp & Paper Additives
- Semiconductor Equipment
- Transportation
- Water & Wastewater Treatment

ATEX

CE

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- Product Brochures
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- Pump Guru Pump Selection Software - Configure, Price, and Quote the Right Pumps to Meet Your Application Needs
- White Papers
- Product Spotlights and More

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