

PIXER® *Enabling Abundance In Medicine™*

Introducing PIXER®, a novel plastic diaphragm pump designed for biopharmaceutical manufacturing.

PIXER®'s distinctive vertical orientation and top inlet is designed for close coupling to tank bottoms, providing gravity flooded suction and effortless priming, preventing entrapped air and cavitation experienced with horizontally-oriented pumps.

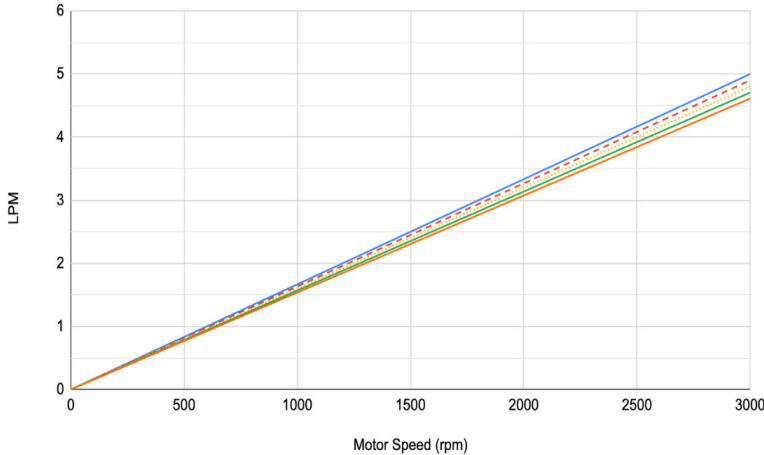
Its elegant arrangement of five diaphragms in a tight radial pattern minimizes hold-up volume and provides a compact footprint; superior to wide linear arrangement of multiplexed pumpheads. Maximum product recovery is achieved with PIXER®'s low-shear fluid handling and free-draining vertical orientation.

POLYMORPHIC PUMP TECHNOLOGY®



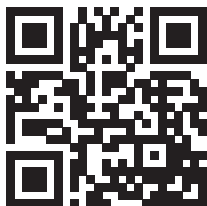
MULTIPLE CONFIGURATIONS OF INLETS AND OUTLETS

0 bar 1 bar 2 bar 3 bar 4 bar



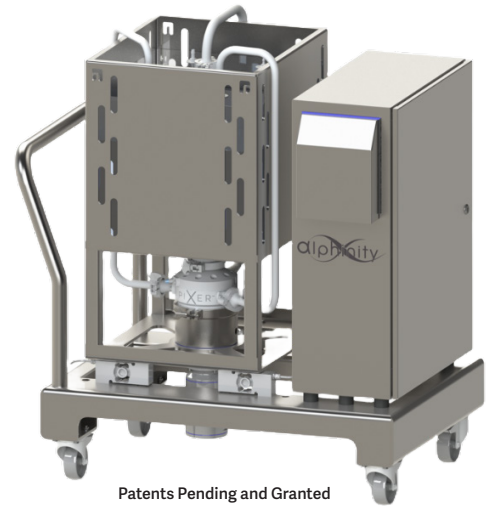
Request a consultation

Speak with our engineers to discover how PIXER® can optimize your operations!



Key Benefits

- Fast Priming
- No Trapped Air
- Smooth Flow
- Minimal Pulsation
- Low Shear
- Ultra Low Hold-up
- Full Drainability



Patents Pending and Granted

Technical Data

Pump Speed	3000 rev / min
Flow at Max Pressure	4.6 L / min @ 4 bar (1.2 gal / min @ 58 psi)
Flow at Atmosphere	5 L / min (1.3 gal / min)
Displacement Per Revolution	1.7 mL / rev
Internal Fluid Volume	45 mL (w/o adapters)
Main Inlet	1.5 in TC
End Connections (outlets)	1/4 in TC or HB
End Connections (injection ports)	1/4 in TC or HB
Maximum number of outlets	5
Maximum number of injection ports	10
Weight	0.44 kg (<1 lb)

Material Specifications

Body Discs	Polypropylene
Diaphragms Check Valves	Novelast® TPV
O-Rings	EPDM
Drive Unit	Stainless Steel
Wetted Certs	FDA Compliant USP Class VI

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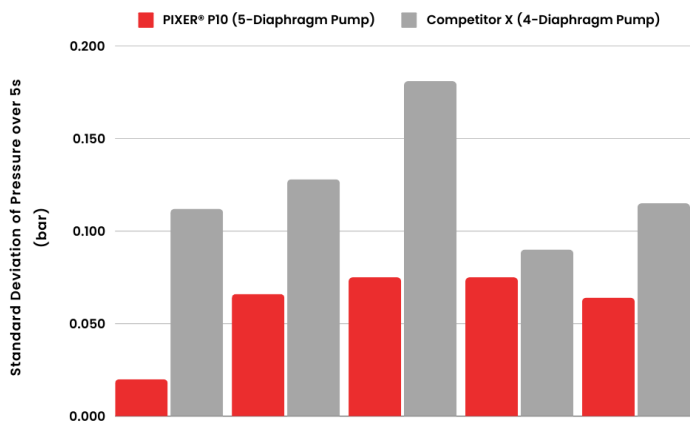


MODEL	P0	P10	P20	P30	P40
Tubing ID (in)	1/8" - 3/16"	1/4" - 3/8"	3/4" - 1"	1" - 2"	
Flow Rate ¹	0.45 L/min @ 600 RPM Nom 1.1 L/min @ 1500 RPM Max	2.9 L/min @ 1750 RPM Nom 5 L/min @ 3000 RPM Max	29 L/min @ 1750 RPM Nom 40 L/min @ 2400 RPM Max	81 L/min @ 600 RPM Nom 135 L/min @ 1000 RPM Max	120 L/min @ 600 RPM Nom 200 L/min @ 1000 RPM Max
Operating Pressure	4 bar (60psi) ²				
Material Certifications	FDA Compliant & USP Class VI Polypropylene and Novolast™ MOC Extractables and Biocompatibility Dilute caustic chemical sanitization preferred. Gamma and X-RAY irradiation stable. Not intended for steam or autoclave sterilization.				

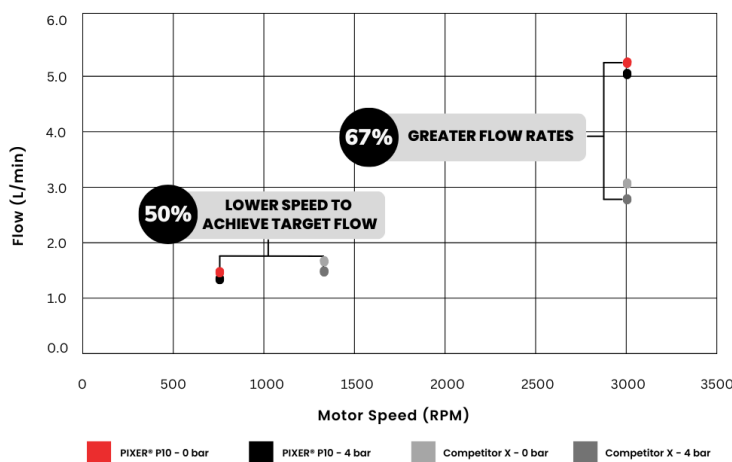
¹ Flow rate states the combined flow of all outlets in use

² Consult manufacturer regarding applications with higher pressure requirements

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Motor Speed (RPM)	750/1350	750/1350	750/1350	3000/3000	3000/3000
Pressure (Bar)	0	2	4	0	4
Flow (L/min)	1.5	1.5	1.5	MAX	MAX



FIVE IS SMOOTHER THAN FOUR

