



PROGRESSIVE CAVITY PUMPS

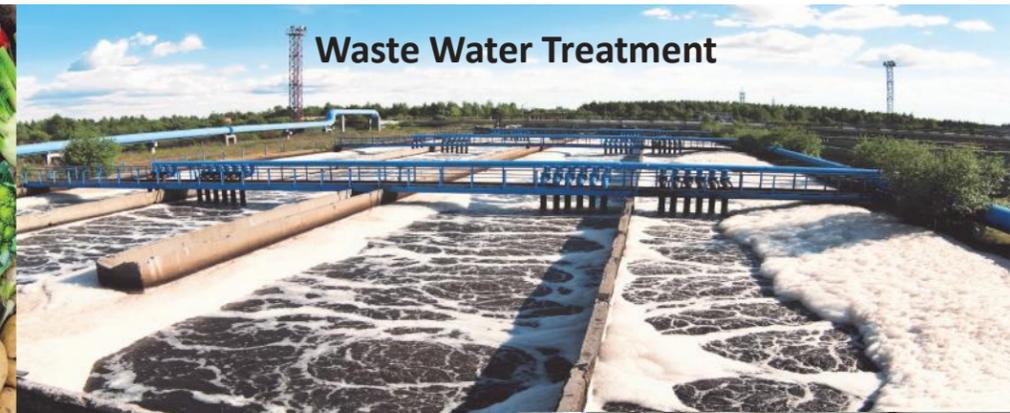
An Unlimited Range of Applications

▶ OUR HISTORY AND EXPERTISE

Established in 1993, MXQ is a company with over 20 years experience in the distribution, packaging, installation, commissioning, and maintenance of industrial fluid handling systems. MXQ is a company that specializes in closing the gap between equipment distribution and equipment operation. Our in-house sales, applications, engineering, installation, and commissioning teams work hand in hand with our clients on turn-key projects to ensure that all client requirements are met from the pre-construction phase through the warranty phase. Our goal is to create long lasting relationships with our clients through WORLD CLASS TECHNOLOGY, SOLUTIONS, AND SERVICE.



Food/Beverage
Waste



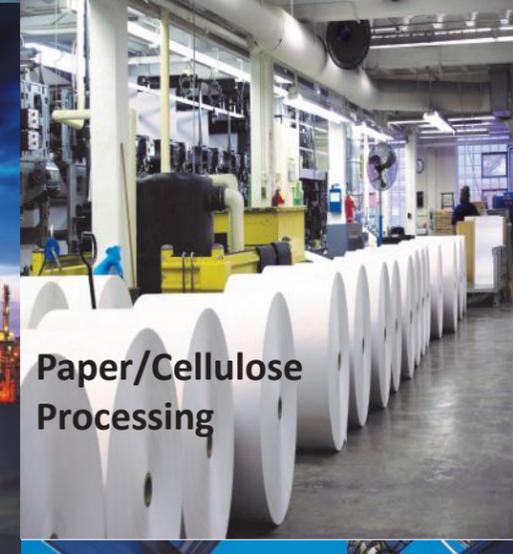
Waste Water Treatment



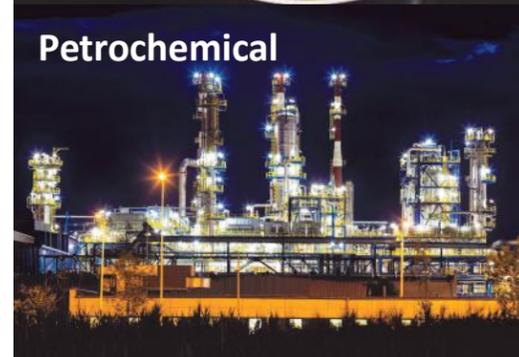
Paint
Industry



Oil & Gas



Paper/Cellulose
Processing



Petrochemical



Environmental Engineering



Plant Engineering



MXQ, LLC.
9203 Zaka Rd.
Houston, TX 77064

281-376-3500
sales@mxq-usa.com
www.mxq-usa.com

Visit us on the web!



FOR ANY TASK AND EVERY REQUIREMENT

PUMP PACKAGING

No matter your industry - You need a continuous and reliable solution. MXQ progressive cavity pumps provide a wide range of quality pumps for your application.



MXQ progressive cavity pumps are self-priming, low shear, valve-free positive displacement pumps that can process everything from thin liquids to highly viscous media. They reliably process even media with non-Newtonian viscosity characteristics, as well as abrasive, neutral, and aggressive media.

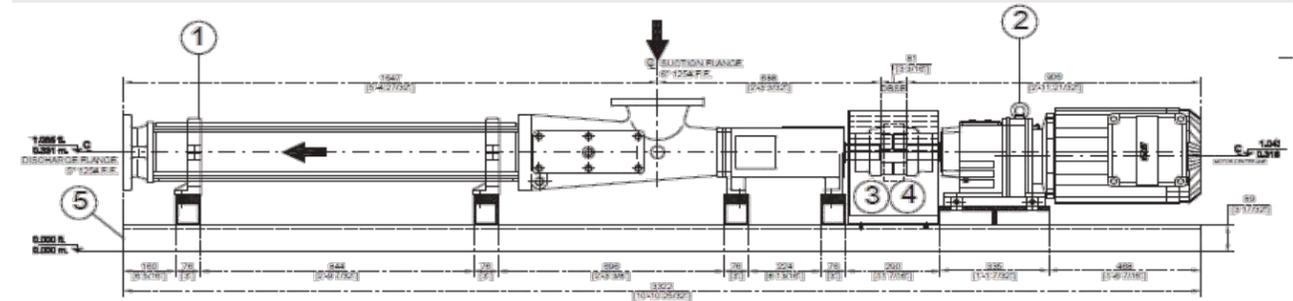


BENEFITS

- Wide range of applications
- Gentle and continuous flow
- Dosing capability
- Long service life
- Various pump designs
- Custom engineering available
- Custom packaging available
- Standard high quality cardan joints
- Low pulsation
- Capacity up to 1,400 gpm
- Differential pressure up to 360 psi
- Viscosity up to 1,000,000 cSt
- Solid particles up to 3"
- Max temperature up to 356 °F

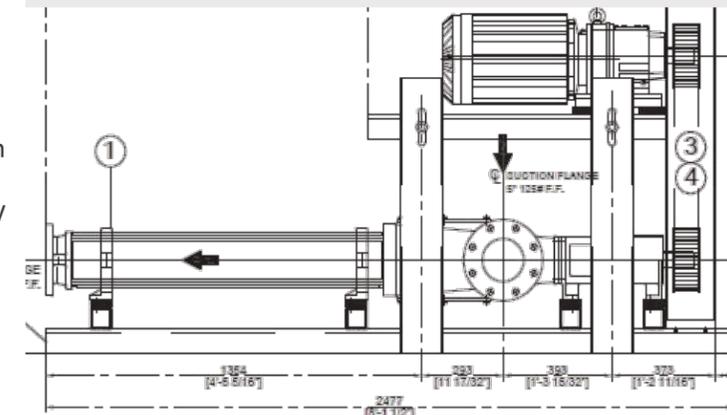
Pump packages are cost effective due to the benefits associated with space efficiencies, ease of installation, single source responsibility and streamlining of the manufacturing process. MXQ has executed numerous turn-key pump packages, resulting in vast experience in the design, fabrication, installation, start-up and commissioning. We pride ourselves on our track record of successful projects and repeat clients.

In-Line Design



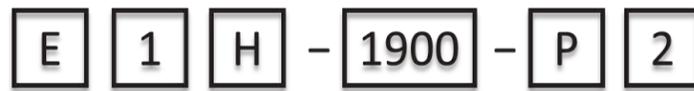
Our engineering team can design pump packages to meet any application. MXQ has fabrication shops overseas and in the United States, which allow us to provide high quality, cost effective packages to our clients while also improving delivery times. Working hand in hand with our design team and vendors, our fabrication & assembly teams can deliver fully assembled pump packages to your facilities. Pump packages also minimize on-site installation, start-up and commissioning times. Our turn-key services include the start-up, commissioning, and training. We have qualified staff to ensure the equipment start-up is done correctly and to verify that all system parameters are operating correctly.

Over-Under Design



In order to ensure long lasting relationships and repeat business with our clients, MXQ has developed a culture of service that goes beyond the training phase of the project. Our team is available during the warranty phase to answer any questions, perform periodical visits to review and ensure the equipment is being operated correctly, and perform emergency repair work should the equipment suffer any kind of warranty defect.

MODEL IDENTIFICATION



- No. of Stages**
 - 1 Stage (Up to 90 psi)
 - 2 Stage (Up to 180 psi)
 - 4 Stage (Up to 360 psi)
- Mounting Arrangement**
 - H – Horizontal
 - L – Close Coupled
 - R – Hopper Style
- Material Execution**
(See Table Below)
- Sealing**
 - M – Mechanical Seal
 - P – Soft Packing
- Pump Size**

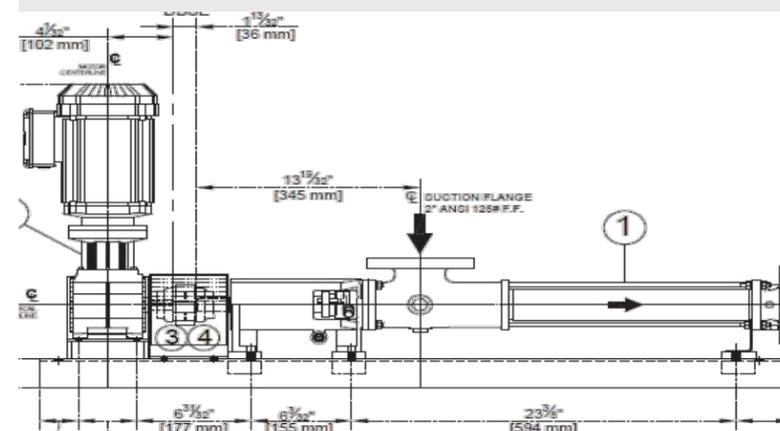


STANDARD MATERIALS OF CONSTRUCTION

Execution	Stator	Rotor	Shafts	Sealing	Casing	Flanges
2	Buna NBR	HCPTS	420 SS	Teflon w/ Lantern Ring	Cast Iron	125# FF
3	Buna NBR	316 SS	316 SS		Cast Iron	125# FF
4	Buna NBR	316 SS	316 SS		316 SS	150# RF
6	Buna NBR	Duplex SS	Duplex SS		Duplex SS	150# RF

↑ Media containing fibers or with very high solid content can be reliably processed, as well as those containing gas and even foaming compounds. This wide range of media processing and the various models offered means the MXQ PC pump can move almost anything.

Right-Angle Design



MXQ PC PUMP SPARES & REPAIR



We keep a large inventory stock for all of our MXQ PC pumps as well as original Bornemann® PC pumps. No matter the materials of construction, we will be able to meet the needs for your application. Additionally, we have the capability of providing certain aftermarket spares for other PC pump brands such as Moyno® and Netzsch®.

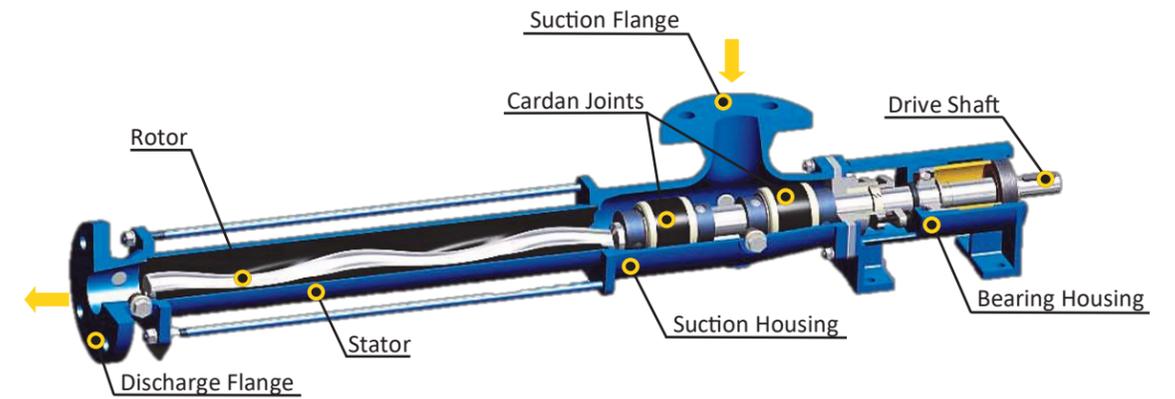


At MXQ we are focused on customer satisfaction that goes beyond just selling pumps. We are available to troubleshoot, inspect, and even repair our pumps. We have a fully functional repair shop located at our Houston headquarters. Depending on your location, we might also have a qualified distributor visit your plant to carry out the evaluation and repair. Regardless of the situation, we will do all we can to re-commission your pump(s) and get your plant back up and running.



MXQ is not affiliated with Bornemann®, Netzsch®, or Moyno®

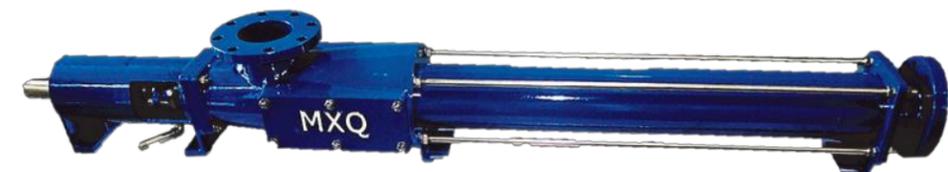
MXQ PC Pump Internal View



MATERIALS	
Suction Housing	GG-25 1.4408 CF8M (1.4581) WCB 1.4571 Steel St. 37 1.4462/AFSI S3 1803
Rotor	C45 Hard Chrome Tool Steel 1.4571 SS 316 1.4462
Shaft	1.4021 Carbon Steel 1.4571 SS 316 1.4462
Stator	SBR (Buna) NBR (Perbunan) NBR (White Perbunan) HNBR (Therban) FPM (Viton®) IIR (Butyl rubber) EPDM (EPDM-rubber) CSM (Hypalon)

The purpose and function of the MXQ PC pump is to move media continuously and gently. With the various material combinations for the rotor and stator, along with the extremely low shearing strain, MXQ's PC pumps are ideally suited for measuring and dosing applications.

MXQ PCP's are produced in single and multi-stage designs. The number of stages determines the maximum delivery pressure. This is up to 90 psi for single stage, up to 180 psi for two stages, and up to 360 psi for four stages. If the number of stages is increased, the pressure which the pump can create rises proportionally. The construction allows material to be conveyed in both directions, high suction capacity and gentle conveying



Find the best **MXQ** progressive cavity pump for your application



EH, the robust pump	Technical Data	Applications
<ul style="list-style-type: none"> • Drop-in duplicate of Bornemann® pc • Robust design • Cardan joints 	Capacity up to 1,400 gpm Differential pressure up to 360 psi 1 stage: 90 psi 2 stages: 180 psi 4 stages: 360 psi Operating temperature up to 356° F Viscosity up to 1,000,000 cSt	Suitable for all sectors of industry for conveying and dosing thin to high viscosity, neutral, or aggressive media, with or without solid or fiber content.



MK, the economic pump	Technical Data	Applications
<ul style="list-style-type: none"> • Cost competitive solution • Pin joints • Netzsch®/Bornemann® hybrid pc pump 	Capacity up to 1,400 gpm Differential pressure up to 360 psi 1 stage: 90 psi 2 stages: 180 psi 4 stages: 360 psi Operating temperature up to 356° F Viscosity up to 1,000,000 cSt	Suitable for all sectors of industry for conveying and dosing thin to high viscosity, neutral, or aggressive media, with or without solid or fiber content.



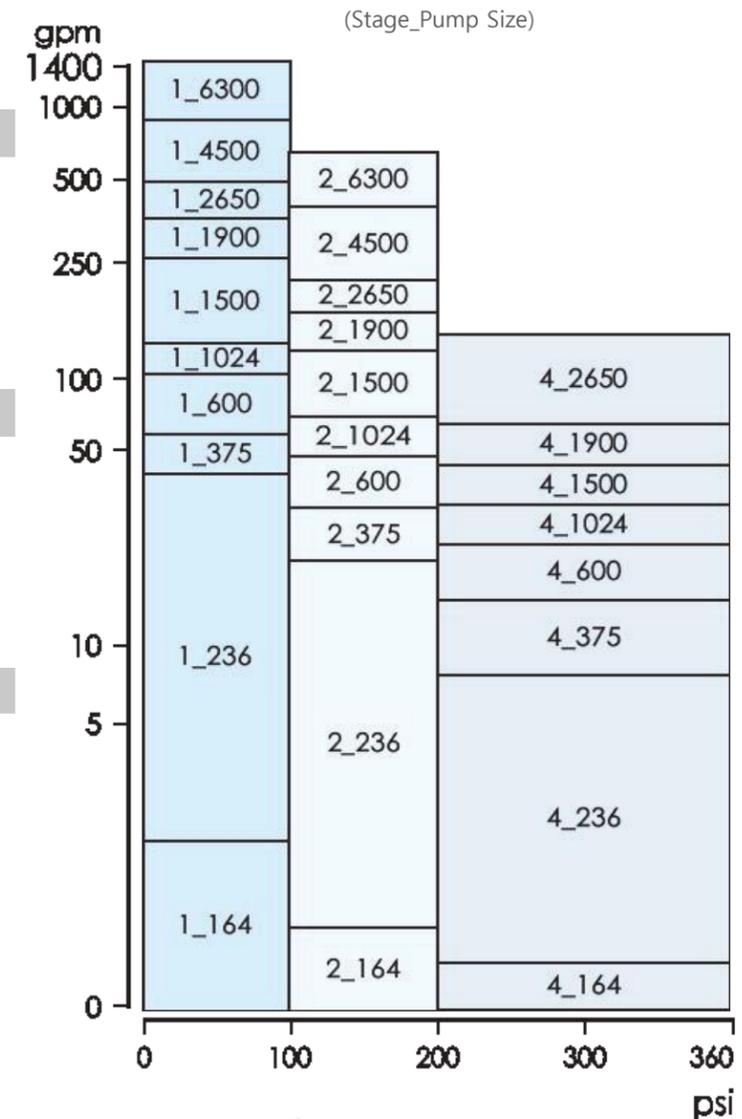
EL, the compact pump	Technical Data	Applications
<ul style="list-style-type: none"> • Close coupled • Compact design • Eliminates need for base plate 	Capacity up to 350 gpm Differential pressure up to 180 psi Operating temperature up to 356° F Viscosity up to 1,000,000 cSt	Suitable for all sectors of industry for conveying and dosing thin to high viscosity, neutral, or aggressive media, with or without solid or fiber content.



ER, the open hopper pump	Technical Data	Applications
<ul style="list-style-type: none"> • Open suction hopper design • For highly viscous sludge/slurry • Can pump up to 60% solids 	Capacity up to 880 gpm Differential pressure up to 360 psi 1 stage: 90 psi 2 stages: 180 psi 4 stages: 360 psi Operating temperature up to 356° F Viscosity up to 1,000,000 cSt	Conveying highly viscous or pasty media. or those with a high solid content (up to 60% DS) in all industrial sectors.

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MXQ PC Pump Performance Range



The MXQ EH model can pump solids up to 3" in size.



	Capacity	Differential Pressure	Viscosity	Max. Temperature
	gpm	psi	cSt	°F
EH	4 - 1,400	up to 360	1-1,000,000	up to 356
MK	4 - 1,400	up to 360	1-1,000,000	up to 356
EL	4 - 350	up to 180	1-1,000,000	up to 356
ER	4 - 880	up to 360	1-1,000,000	up to 356