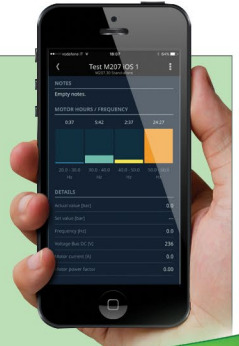


Bluetooth Technology
Control Remote through
Nastec NOW App

Available for smartphones
and tablets with Bluetooth 4.0
IOS and Android v.4.2 or later.



PD TECH

Constant Pressure Pump System



PD TECH

This system has been developed to work in boosting and lifting applications where constant pressure is needed.

PD TECH brings the latest in technology for water pump control and operation.

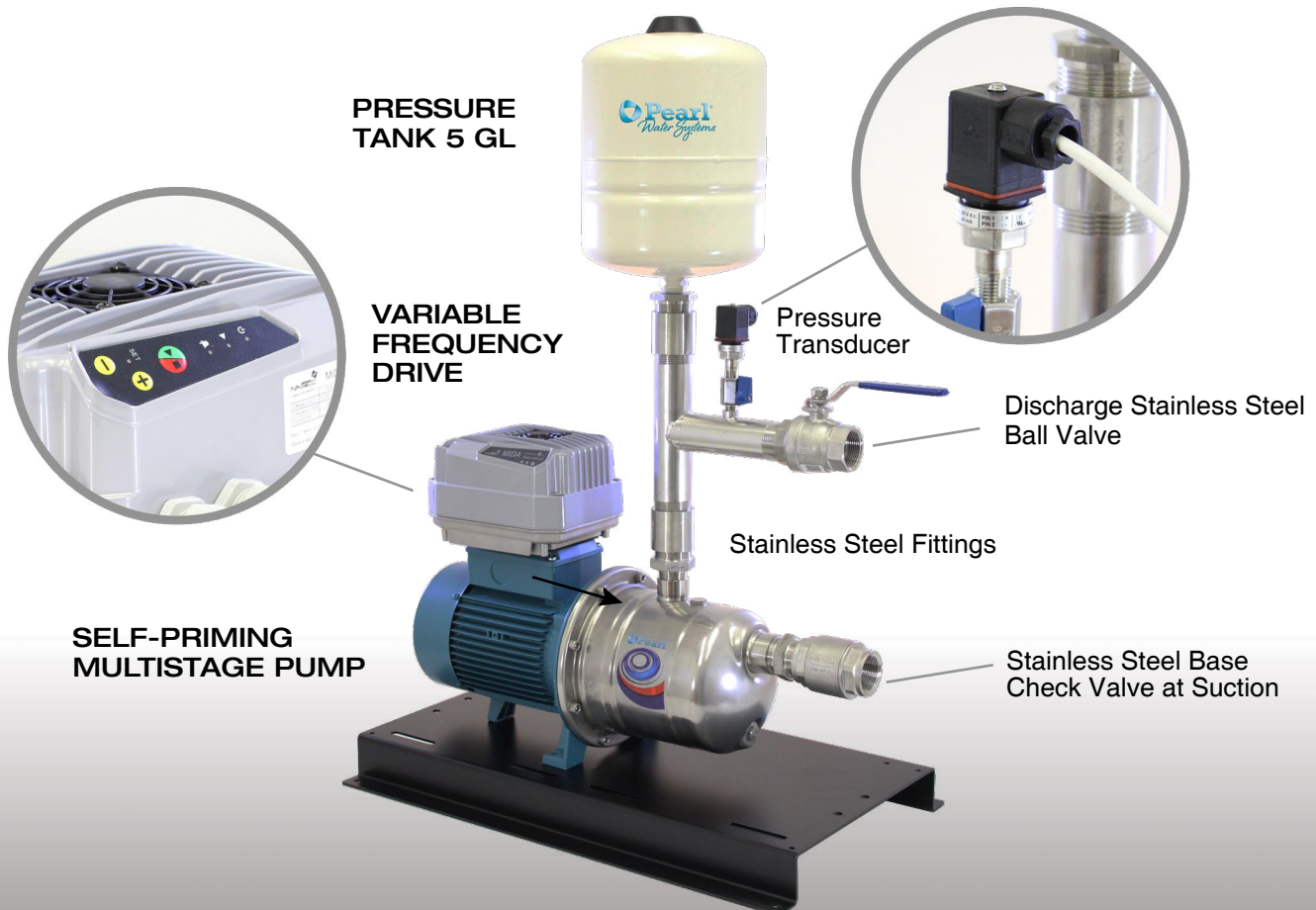
Variable Frequency Drives, in addition to maintaining the pressure in the system, provide protection of the pump. By monitoring the pumps' electrical parameters, our controllers can prevent the pumps from working under harmful conditions such as motor overload, dry running, working with broken pipes, etc.

FEATURES

- Easy Installation and configuration.
- Controlled start and stop of operation.
- Lower power demand and controlled acceleration.
- Remote Bluetooth Programming via App.
- Extended Motor Life.
- Energy savings allow for shortened payback period.



THIS SYSTEM INCLUDES:



PUMP MXA

THE MULTISTAGE SELF PRIMING PUMP



- **Robust and Compact Design.** Stainless Steel pump casing with a reliable 3 PH motor.
- **Easy Priming.** For those applications where the pump is lifting from a well, the MXA performs perfectly thanks to the self priming capability.
- **Low Noise.** The water filled shroud around the stage ensures that the noise generated will be reduced.
- **Performance.** The multistage concept is the key to having the best performance and behavior when working with a VFD.
- Available in DELUXE version for sulfur water applications

OPERATING CONDITIONS

- Liquid temperature: 32 °F to 95 °F.
- Ambient temperature up to 104 °F.
- Maximum permissible pressure in the pump casing: 116 psi.
- Continuous duty.

CONSTRUCTION

- Horizontal multi-stage, self-priming, close coupled pump.
- Single-piece barrel casing in chrome-nickel stainless steel, with front suction port above pumps axis and radial delivery at top.
- Stages in Noryl.

VARIABLE FREQUENCY DRIVE MIDA

NEXT GENERATION OF MOTOR ON-BOARD INVERTER.



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- **Energy savings** due to variable speed control.
- **Soft start and soft stop.**
- **Complete pump protection** with Built-in protections against: Over/Under voltage, Over-current and no load, Dry running, Over-temperature.
- **Extended system life** and reliability.
- Installation on humid and dusty environments made possible by IP55 (NEMA 4)
- **Easy and fast programming** thanks to initial configuration wizard.
- **Unmatched user experience.** Thanks to Nastec NOW app it is possible to communicate with the VFD via Bluetooth.
- Danfuss transducer 0-250 PSI, 4 -20 MH

OPERATING CONDITIONS

- Rated frequency: 50-60 hz (+/- 2%)
- Ambient temperature: -10 -40 °C (14 - 104 °F)
- Protection degree: ip55
- Settable digital outputs n.O. Or n.C.:
1. Motor run signal 2. Alarm signal
- Analog inputs (10 o 15 vdc):
1. 4-20 Ma 2. 4-20 Ma 3. 0-10 Vdc 4. 0-10 Vdc
- Digital inputs: 4 digital inputs, configurable n.O. Or n.C. For motor run/stop



TANK MNP

ENSURES THE BEST
PERFORMANCE.

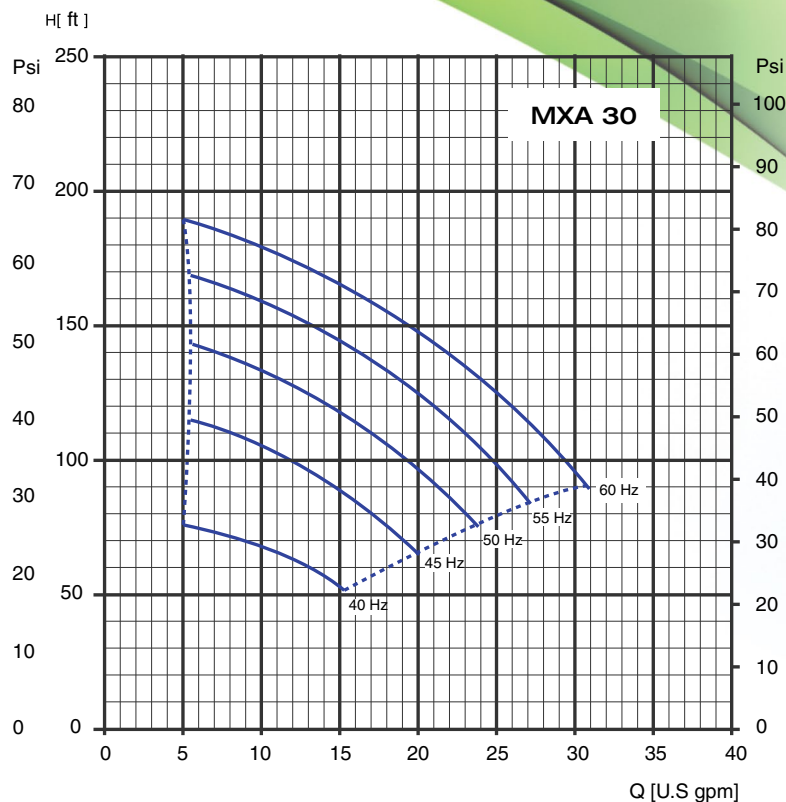
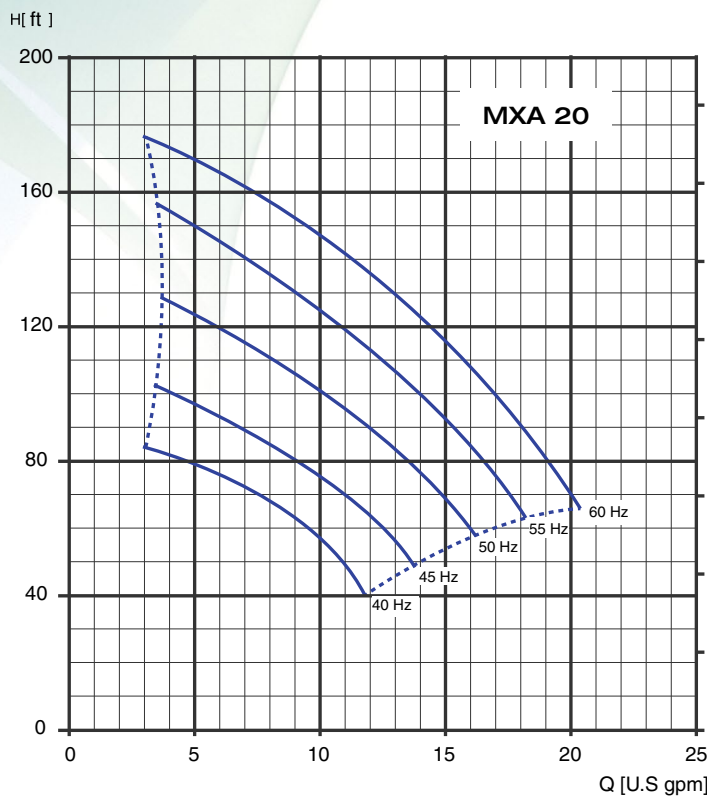
MODEL	TYPE	VOL. GAL	CONNECTIONS	TOTAL DRAWDOWN			WT LBS
				20-40 PSI GAL	30-50 PSI GAL	40-60 PSI GAL	
MNP18S	IN LINE	5	1" SS MALE	1.9	1.6	1.4	9.5

FITTINGS AND ACCESORIES

Discharge Manifold,
Suction Check Valve and
Discharge Ball Valve in
Stainless Steel 304

Reinforced Steel Base with
Electrostatic Paint Coating

MXA PUMP SPECIFICATION



CONSTANT PRESSURE PUMP SYSTEMS

MODEL	PUMP	HP	SYSTEM VOLTAGE	VFD	MAX. AMP	SUCT.	DISCH	WEIGHT (Lbs)
PDTECH2SM 15G70P	MXA30 15H36S	1 1/2	230 V (1 PH)	MIDA 207	7.8 A	1 1/4"	1 1/4"	190
PDTECH2SE 15G70P	MXA30 15H36S	1 1/2	230 V (1 PH)	E-POWER	7.8 A	1 1/4"	1 1/4"	205

CONSTANT PRESSURE PUMP SYSTEMS DELUXE FOR SULFUR WATER

MODEL	PUMP	HP	SYSTEM VOLTAGE	VFD	MAX. AMP	SUCT.	DISCH	WEIGHT (Lbs)
PDTECH1DM 15G50P	MXA20H 07H36D	0.75	230 V (1 PH)	MIDA 207	4.8 A	1"	1"	192
PDTECH2DM 15G70P	MXA30 15H36D	1 1/2	230 V (1 PH)	MIDA 207	7.8 A	1 1/4"	1 1/4"	190
PDTECH2DE 15G70P	MXA30 15H36D	1 1/2	230 V (1 PH)	E-POWER	7.8 A	1 1/4"	1 1/4"	205