T-MAG

MAG DRIVE PUMPS

AM • AMX Series

The T-Mag™ Mag-Drive pump leaps ahead with the latest heat dissipation technology and eight horsepower ratings to choose from. T-Mag™ Mag-Drive pumps offer some of the highest flow rates seen in the industry. Ultimately the T-Mag™ Mag-Drive pump will bring you increased productivity, reduce operational costs & downtime and provide peace of mind.

For process emergencies give T-Mag™ a call today to find out more about the new T-Mag™ Mag-Drive pump.

- Superior heat dissipation technology
- Patented Buffer absorbs vibration
- Double end-supported ceramic shafts
- Eight model sizes available (1/12Hp-5Hp)
- PP, PVDF & ETFE liquid paths
- Seal-less design
- Compact footprint
- Able to pump fluids up to a 1.8 specific gravity

Patented Dry-run Design

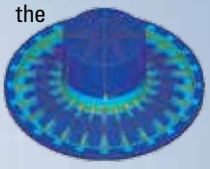
The revolutionized bearing design with dual-channel circulation on both inner and outer surfaces of the bearing contributes to rapid heat dissipation. The circulation leakage of the sealless pump is fully utilized to reinforce convectional heat transfer to thermally balance internal temperatures and prevent damage even under dry running conditions.

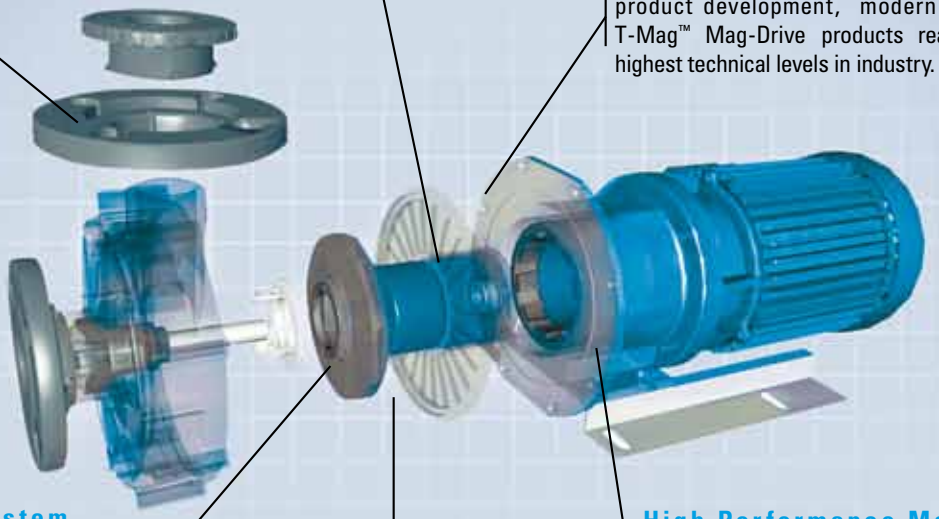
Flange Assembly

All models 1/2 HP and up come with RF type adjustable flanges. The orientation of the flange can be varied to match corresponding bolt holes to facilitate piping installation. The new design can also help to eliminate leakage problems caused by flange deformation.

Integrated CAD/CAE System

Using fully computer aided design and analysis to assist product development, modern design concepts help T-Mag™ Mag-Drive products reach the highest technical levels in industry.





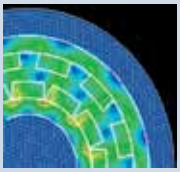
Patented Buffer System

Our innovative dynamic buffer is specially designed to absorb vibrations and shock caused by adverse operating conditions. At the same time, the dynamic buffer is self-adjusting, allowing a better face-to-face contact between the thrust ring and the wear ring, thus minimizing wear and prolonging service life.

High Efficient Flow Design

The geometry of the impeller and casing are generated through a hydraulic design program. In addition, Computerized Fluid Dynamics (CFD) is used to control the fluid stream pattern, thus reducing hydraulic loss and increasing pump efficiency.

High Performance Magnetic Coupling



We utilize magnetic field analysis to calculate magnetic torque and maximize magnet utilization to ensure sufficient torque margin to prevent decoupling.

T-Mag™ Mag-Drive Pump Capabilities

FEATURES	AM SERIES			AMX SERIES					
	TM1C	TM2F	TM2G	TM4H	TM4K	TM6L	TM6M	TM6N	TM10N
Horsepower	1/12	1/4	1/3	1/2	1	2	3	5	5
Inlet	1/2"	1"	1"	1-1/2"	1-1/2"	2"	2"	2"	2-1/2"
Outlet	1/2"	1"	1"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	1-1/2"	2"
Max Flow (GPM)	9	24	26	60	70	95	135	140	215
Max Head (FT)	15	33	32	30	64	69	103	128	92

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