TSUNAMI PUMP®

www. tsunamipump .com

aquaX-3

PERMANENT MAGNET VARIABLE FREQUENCY BOOSTER PUMP

- Frequency Conversion
- Compact & Space-saving
- Intelligent Integration
- Overheat Protection
- Automatic Start/Stop
- Low Noise Operation
- Energy Saving
- Durable & Longer Lifespan

- pH: 6-8.5
- Ambient Temperature: 0-40 °C
- Medium Temperature: 0-90 °C
- RH: Max.85%

PERMANENT MAGNET MOTOR (PMM)

is a type of electric motor that uses permanent magnets instead of windings or field coils to create the magnetic field required for motor operation

By combining a constant magnetic field, electronic control, and inherent design efficiency, permanent magnet motors ensure steady power delivery, reduce voltage/current ripple, and improve overall system reliability.

- Longer motor lifespan.
- High efficiency and precise control.
- High speed and power density.
- Reduce the power fluctuations caused by unstable current.
- Maintain consistent output voltage and frequency.
- Dynamically adjust power based on real-time demand.
- Enhanced overall performance and significant energy savings.
- Smooths out disturbances caused by electrical noise or load variation.

ANTI DRY RUN PROTECTION

ADJUSTABLE PRESSURE
1~3 bar
Preset Pressure 2.5 bar

INTELLIGENT PROCESSOR

LOW NOISE OPERATION

ANTI-RUST PUMP SHELL

LEAKAGE DETECTION

OVERHEAT PROTECTION

ENERGY SAVING

5 AUTO RESTART TIMER MODE
1H / 3H / 6H / 12H / 24H

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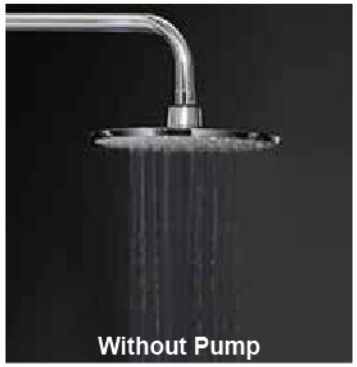
A permanent magnet variable frequency booster pump is a compact water supply system, suitable for household pipeline pressurization, as well as for irrigation in gardens, hotels, and high-rise building water delivery.

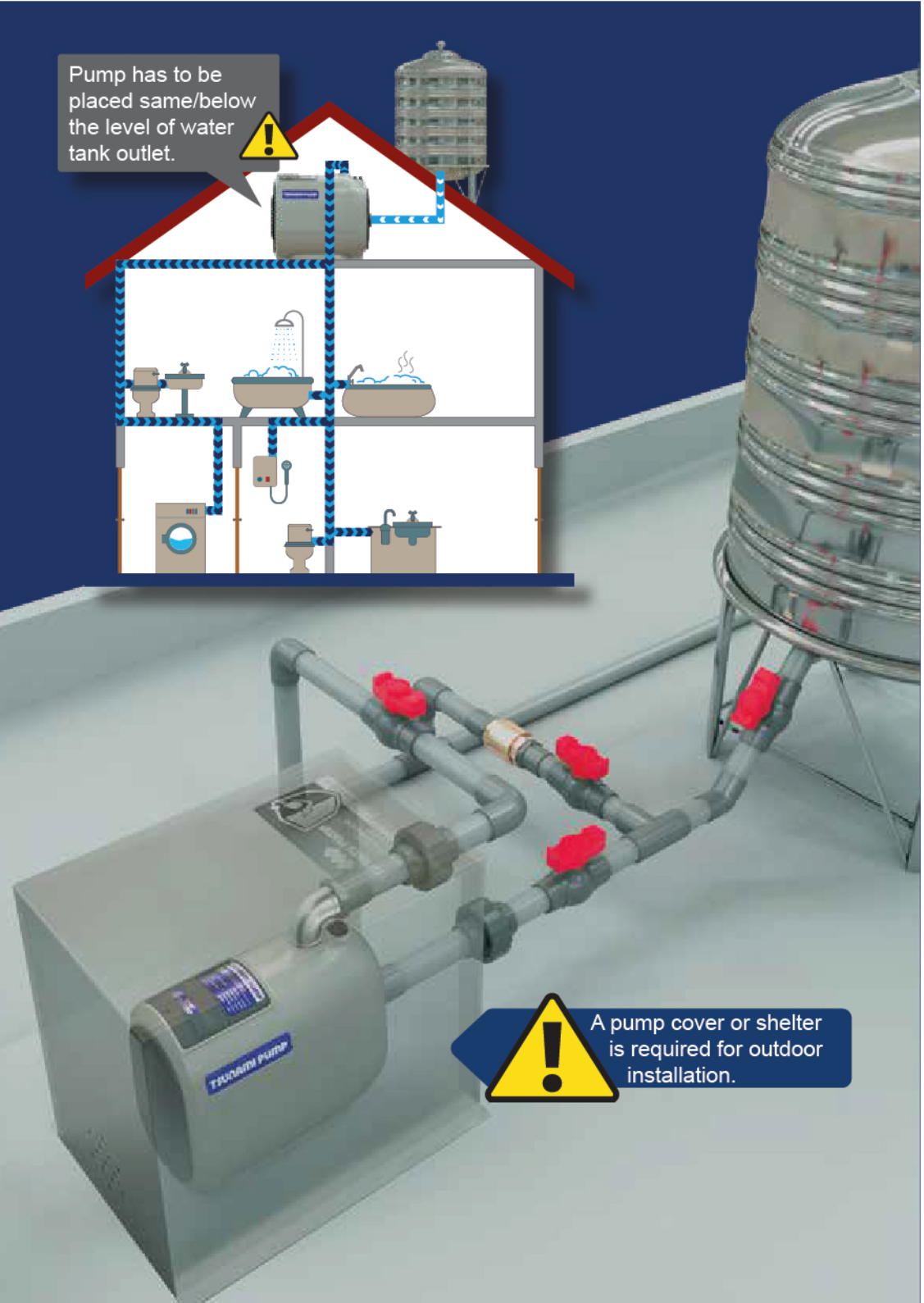
Speed Control
A Variable Frequency Drive (VFD) regulates the frequency and voltage supplied to the motor, enabling precise control of its speed and torque. By adjusting the frequency, the flow rate can be tailored to meet the system's specific demands.

Soft Start
VFD offers soft start functionality by gradually increasing motor speed rather than applying full voltage instantly. This minimizes mechanical and electrical stress on the system.

Energy Savings
By matching pump speed to actual demand instead of running continuously at full speed, VFD can deliver substantial energy savings—particularly in systems with fluctuating flow requirements.



CONCURRENTLY IN USE NORMAL SHOWER HEAD x3



Detects unintended water leakage from the pump, or connected plumbing after first few runs. Light flashes when a leaking is detected.

Auto cut-off when the pump is overheat (due to overload, dry run, or poor ventilation). Pump auto restart after recovery.

Auto cut-off the pump when there is insufficient water to prevent from dry running & overheating. Pump auto restart after recovery.

TECHNICAL & PERFORMANCE DATA

Power		Voltage/ Frequency	Max Head	Rated Head	Max Flow	Rated Flow	Max Speed	Suction	Inlet Outlet
W	HP		m	m	l/h	l/h	rpm	m	mm
600	0.8	220~260V/50Hz	42	30	5,000	2,000	5,000	8	25