

## STANDARDISED PRODUCTS

# WATER BOOSTER SYSTEMS

Hitachi Aqua-Tech Water Booster System is developed with focus on user comfort and easy operation. It is suitable for any clean-water (hot & cold) pressure booster application.

### FEATURES AND BENEFITS

- Constant water pressure regardless of flow fluctuation
- 2-4 pumps configuration (with option for 5 or 6 pumps)
- Built-in controller for highest performance and energy efficiency
- Stainless steel to ensure hygiene and protection against corrosion
- Pre-programmed for simple installation & start-up
- Easy operation with user friendly interface
- IP20/21 (NEMA1) or IP55 (NEMA12) enclose



## WATER BOOSTER SYSTEM EXPLODED VIEW

### Motors

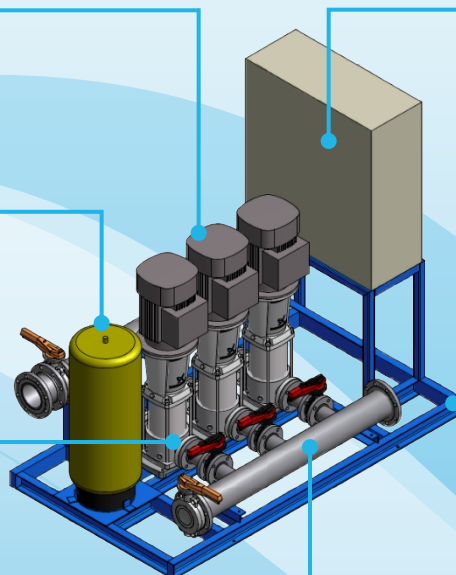
Premium efficiency IE3 motors are remarkably silent and highly efficient. Construction material from AISI304/cast iron to Titanium.

### Pressure Tank

A diaphragm and bladder pressure tank ensures stable water pressure and convenience since there's no need to refill the gas or worry about rust.

### Pumps

2-4 numbers of end-suction or multi-stage centrifugal pumps with stainless steel construction are highly reliable and efficient.



### Control Panel

#### System Controller

The controller controls up to six pumps and features both digital and analogue outputs.

#### Individual VFD

Technologic (Danfoss) NEMA 1 or 12 VFD's with individual fused disconnect permits continued operation and serviceability with maintaining partial or full flow.

### Base Frame

The base frame is made of mild steel material. It is sand blasted and coated with 3 layers of coating. Stainless steel skid is available as option.

### Manifold

The stainless steel manifold efficiently reduces noise, friction, rust and bacteria growth in the pipes. High-quality welding and finish ensure that all hygienic standards are met.

## HITACHI AUTOMATIC WATER PUMPS

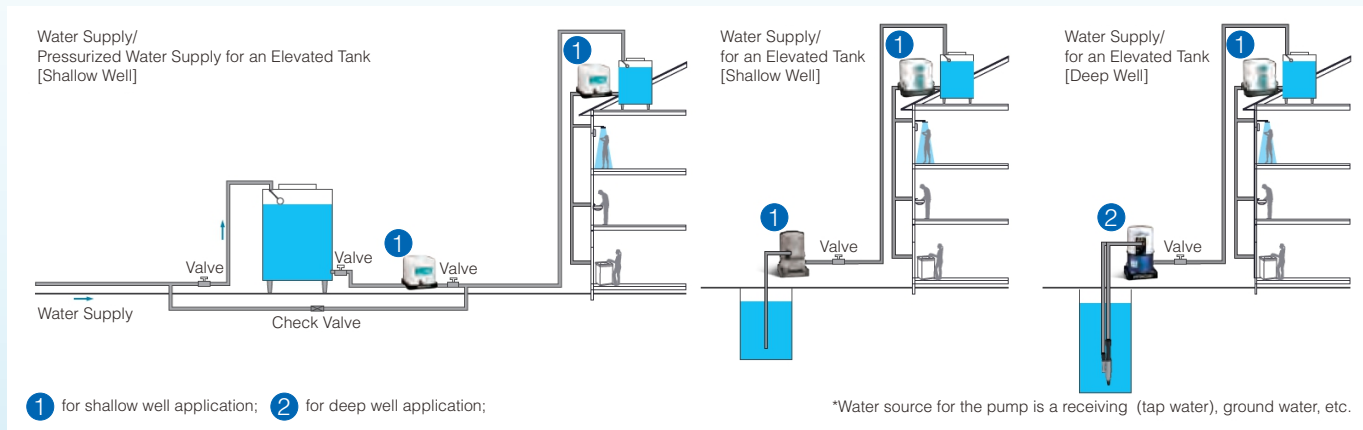
Hitachi Automatic Water Pumps are high quality and professional-grade booster pumps, which are reliable and easy to use and install.

### FEATURES AND BENEFITS

- Durable and high powered motors for long service life
- Japanese standard quality ensures high performance and reliability
- Stable water pressure with pressure tank
- Reliable safety with water temp relay
- Environment-friendly design
- Quiet, non-disturbing operation



### INSTALLATION CAUTIONS



### DESIGN AND APPLICATIONS



Providing a constant flow of water, these pumps are powerful, quiet and energy efficient.



Big capacity, quite automatic turbine pump for a more comfortable life in urban areas.



Providing constant water pressure.



Durable, safe and rust-resistant stainless steel tank.



Automatic operation for greater convenience.



Ideal for deep well suction.

©Hitachi Aqua-Tech Engineering Pte.Ltd.

40 Changi South Street 1, Singapore 486764  
Tel: +65 6746 1688, +65 6588 2033  
Fax: +65 6747 8224, +65 6588 2022  
Email: sales@hitachi-aqt.com  
Website: www.hitachi-aqt.com