

The new feature of TQ\_B/BC series with adding silver ion to the pump casing has been scientifically proven to inhibit microbial growth by 99% over a 24-hour period.





















## **Silver Ion Test Report**



- ✓ When positively-charged silver ions meet the negatively-charged microbial cells, silver ions will pierce through the surfaces of bacterial cells, damaging their structure and inhibiting bacterial reproduction.
- ✓ The silver ions feature applied to the pump casting will provide an excellent bacterialinhibiting effect.

# Per SGS test results adding

99% E. coli

8/%

S. aureus

95%

Bacillus subtilis

silver ion could effectively restrict those growth.

\*Test report number: No. UG/2020/21687A-01, 21688A-01, 21689A-01

## **Peace of Mind**



#### Silver Ions

Siver ions applied to inhibit bacterial and moss growth. SGS inspectioncertified



#### **RoHS 2.0**

IPhone-worthy safety standards- and RoHScompliant, the pumps are made with no hazardous substances for humans and the environment.



#### Stainless steel

Equipped with stainless steel and FRP materials to prevent rust & water contamination



#### CE

Certification standards for health, safety, and environmental protection to ensure conformity with all relevant EU-wide requirements.

#### **Low Noise Guaranteed**

#### Noise level tested & validated



Approx.



Start-up noise eliminated with microcomputer voltage stabilizer



TQ\_B/BC Series for home

Multistage centrifugal stainless-steel impellers inside to deliver superior quietness

#### **Pump & Motor Labs**

- The only lab in Taiwan with TAF, TUV & ILAC certifications. Premium quality assured.
- One-and-only firm in Taiwan with "motor + pump" R&D expertise, a unique approach to pump optimization
- Motor efficiency up to IE4, recognized by Taiwan Excellent Motor Award—Energy-Saving Category



Motor Laboratory

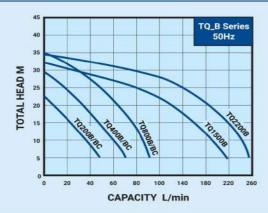


Pump Performance Laboratory

#### Performance curve

## **Operating Conditions**





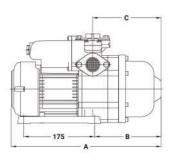
Ambient Temperature : Max. +40°C
 Liquids Temperature : +4°C ~ +40°C
 System Pressure : Max. 8.5 kg/cm²

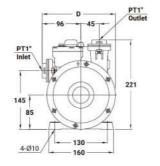
Relative humidity : Max. 85% (RH)

Under normal operation, it is not necessary to adjust the pressure unless the cut in pressure is higher than preset activation point (refer to specification).

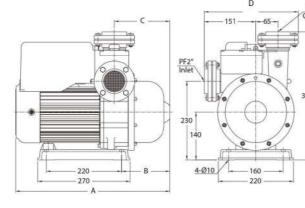
### **Dimension**

#### TQ200B/TQ400B/TQ800B

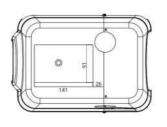


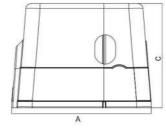


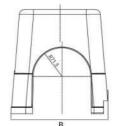
### TQ1500B/TQ2200B



#### TQ200BC/TQ400BC/TQ800BC







Model	Cycle	A	B	C	D	
TQ200B	50	360	153	158	176	
TQ400B	50	371	164	169	181	
TQ800B	50	417	164	169	181	
TQ1500B ~ 2200B	50	452	142	163	275	
TQ200BC ~ 400BC	50	335	233	250	-	
TQ800BC	50	385	233	250		



# TQ\_B/BC Series 50Hz

Model	Power kW	Cycle Hz	Phase Ø	Volt V	Amp's	Inlet in.	Outlet in.	Preset activation point kg/cm²	H max.	Q max. L/min	N.W. kg	G.W. kg	
TQ200B/BC	0.18	50	1	200 - 240	1.5	1"	1"	1.2	23	48	7	7.6	30
TQ400B/BC	0.37	50	1	200 - 240	3	1"	1"	1.8	30	75	7.8	8.4	30
TQ800B/BC	0.75	50	1	200 - 240	4.4	1"	1"	2.0	35	95	11.6	12.2	24
TQ1500B	1.5	50	1	200 - 240	7.2	2"	2"	2.5	32	230	21	22.6	12
TQ2200B	2.2	50	1	200 - 240	11.1	2"	2"	2.5	34	250	22	23.6	12



The TQ\_B series is a complete, all-in-one unit, consisting of pump, motor, pressure tank, and electronic controller, helps maintain a constant water pressure and operates efficiently.

- Safer The first in Thailand to have "Antimicrobial" which helps anti bacteria, germs and viruses that may come with water, ensuring
  peace of mind and safety for everyone in the household.
- Stronger water pressure Strong water flow achieved through the 3 impellers design, consistent strong water pressure every faucet
  with an intelligent IC board, it works in conjunction with flow switch.
- Super Quiet No disturbance with Electronics Controller, control START and STOP with Multistage Booster System.
- More Durable Pump casing made of Engineering Plastic. Rust proof and corrosion resistant
- Save Spaces Compact design save space for installation, suitable for houses, offices, town homes and commercial buildings.

#### **Electronics Control Board**

Works precisely and has a Dry-Run Shut off function, which cut off when there is no water flowing into a pump for 3 minutes. Has an Anti-Cycling feature to protect the pump from running all time. In case of abnormal pipe system, works together with 6-second delay system when not using the water. Pump will maintain the pressure for 6 seconds and then cut off.





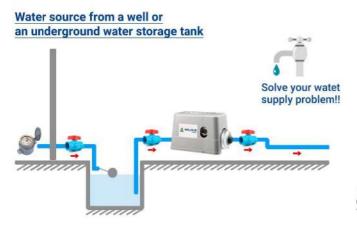
## Stainless Steel Diaphragm Tank, non-corrosive

The pressure tank is made of genuine stainless steel that is corrosion-resistant throughout its lifespan. Equipped with Diaphragm rubber sheet that helps to maintain a constant water pressure and ensures smooth operation.





#### The installation method "the right for your house



## Multistage Centrifugal Impeller

With 3 Closed Centrifugal Impellers made by Engineering Plastic, working together with Electronic Controller to deliver consistent and powerful performance while maintaining a quiet operation.





#### **Thermal Overload Protection**

Genuine copper coil, electric current, high-heat resistant, capable of continuous operation \*terms and conditions are subject to the company's policies. Comes with Thermal Overload Protection system that prevents the motor from being damaged due to high-temperature conditions.







Better Life Through Innovation WALRUS PUMP CO., LTD.