

# What is a booster pump used for? Classification of booster water pumps

Booster pumps are widely used in families to increase water pressure for washing machines, water heaters, and showers. So what kind of booster pump are there? Join TipsMake.com to learn about this booster pump line.

Booster pumps are essential in places where people have a weak water source, which helps the flow of water be stronger, providing a pleasant feeling when using water.

## Application of turbochargers in life

**For household use :** Water pumps will increase water pressure for household appliances such as washing machines, showers, water heaters and water filters, .

**For industrial scale: If you want to use turbocharger for industrial** needs, you need to combine a booster pump with a pressurized tank to create a large capacity booster pump. High pressure booster pump will increase the pressure for domestic water pipes, washing force systems in efficient manufacturing and processing factories.

In addition, booster pumps are used a lot in agriculture such as irrigation.

## Classification of booster water pumps

Booster pumps are classified into two main categories:

### 1. Type of booster pump with PW symbol . EA:

If your booster pump has a PW symbol . EA will specialize in sucking clean water from pipes, tanks, and drilled wells with a depth of less than 8m.



Booster pumps are commonly used in households

When the water pressure is weak, the booster pump will automatically increase the water pressure for appliances using water in the home such as washing machine, shower, washing .

Not only does the booster function, but it also pumps water to the upper tank effectively.

When using this booster pump, you do not need to unplug the power plug. Because of the required water pressure, the booster pump will automatically run when using water and automatically turn off when not using water. However, if you want to perform this feature, you need to install a mechanical float into the water tank.

The booster pump only needs to be primed for the first use, the next time the machine will suck itself. Therefore you do not need to install one-way valve at the end of the nozzle.

## **2. Type of booster pump with PA symbol . EA:**

Series of booster pump with PA symbol . EA does not use a pressure tank or is also called an electronic pressure booster pump. Automatic pressure booster pumps electronic circuits are often used to increase water pressure from low pressure places, or from water tanks on rooftops to provide water for water use devices such as showers and machines. laundry or hot water dispenser .

This booster pump is operated by water pressure, so if you want to use this booster pump, it will require an initial water pressure of 1m, ie the minimum distance from the output of the automatic water equipment. Pressure booster to the water tank surface is 1m.

Booster pump with PA symbol . EA also has the feature to automatically run when using water and automatically turn off when not using water.

## **How to install a booster pump**

Depending on the needs of your home or industrial use, choose the appropriate booster pump. After choosing the booster pump, you install it as follows:

1. Connect the pipe from the water tank to the booster pump. The piping from the tank must match the inlet diameter of the water pump.

2. Attach the water distribution pipe to the output of the machine.
3. Plug the power cord of the booster pump into the power source to operate it.
4. Open the water valve test to check whether the machine operates stably.
5. When using booster pump, make sure the water on the tank is always adequate to avoid the pump running continuously causing overload and waste of electricity.

Hopefully, the above article will help you understand more about the use of turbocharging water pumps and have more experience to help choose and use the booster pump properly.

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