

Backflow Valve Installation (Costs and Maintenance in 2022)



Backflow Valve Installation (Costs and Maintenance in 2022) – A backflow preventer prevents contaminated, potentially harmful substances from entering your home or company through the drain. This simple equipment will assist you in keeping your home clean. The majority of individuals are aware of the technology, but many are unaware of the expense of installing a backflow preventer. A complete cost breakdown may be seen [here](#).

Linquip's website has all the information you need about backflow valves, so you won't have to go anywhere else to find them. Whenever you need assistance in the selection of backflow valves that are the right fit for your needs, you can rely on our team of experts. In order for you to gain an understanding of the working principles as well as the applications of these industrial valves, you may find the following article on Linquip's website, "[**What is Industrial Valves? Working Principles & Applications**](#)," very useful.

Do you have any experience with backflow valves? And if so, how did that go for you? We have a wide selection of [**Valve Products**](#) at Linquip that can help you find the valve you're looking for. Is there any particular maintenance you need to do on the backflow valves you use? Are you looking for an easy-to-follow guide for installing or repairing a backflow valve? Are you looking for an online manual to assist you with installing the backflow valve? With the Linquip platform, you can access available [**Valve Service**](#)

Providers for free. The Linquip platform enables you to start finding the best prices for backflow valves by submitting a request to **Valve Suppliers and Companies**, all at no cost to you.

The typical cost of installing a backflow preventer is \$300-\$400, according to 2022 research. On average, a high-level backflow preventer costs \$800-\$1000, whereas a low-level backflow preventer costs somewhere between \$130 and \$200.

We strive to offer an overview of the entire cost of installing a backflow preventer to save you time and make the cost aspect easier to grasp.

Installation Types	Price Range
Average Cost	\$300-\$400
High Cost	\$800-\$1000
Low Cost	\$130-\$200
Labor Cost	\$80-\$400
Device Cost	\$30-\$650
Permit Fee	\$50
Thermostatic freeze Relief (If need)	\$70-\$90
Backflow Testing Cost	\$70-\$90

What Is A Backflow Preventer?

Flooding is one of the most prevalent sources of backflow. Water floods the sewage system when there is a lot of rain, especially in a short period of time, and it acts as a flash flood. Water and sewage are sent back up the drainage pipes and into residential households when the sewage system fills with water.

Although this is a very unusual occurrence, the harm it may inflict is significant enough that there are a variety of technical measures you can place in your house to avoid it.

A backflow preventer is the most frequent of these devices. These are relatively basic gadgets that attach to the water pipes in your home. They only allow fluids to flow in one way via your pipes, preventing sewage from breaking into your house and sealing your property against backflow. Additionally, it helps protect your drinking water from sewage contamination. Overall, it gives you peace of mind by ensuring that wastewater is only moving away from your property and never towards it.



A backflow preventer (Reference: qrfs.com)

Overall Cost Of Backflow Preventer Installation

Overall, you may anticipate paying between \$135 and \$1,000 for a backflow preventer and installation, with the typical cost being approximately \$300.

This is determined by the size and type of system you have in your house, as well as your financial constraints. A \$135 installation is likely to be a low-end model; a \$1,000 installation suggests a high-end alternative, maybe in a huge pipe system, with a relatively involved installation process.

Device Cost

The gadget itself can cost anywhere from \$35 to \$600, depending on the size of the system and the amount of efficacy you want. Because most gadgets are composed of plastic, they are relatively inexpensive to produce. If you need to install many devices, there will be some cost savings (this will also apply to labor costs).

In general, if you have older pipes that are composed of materials other than plastic, installing a backflow preventer will be more challenging, resulting in higher total expenditures.

Labor Costs

Installation labor costs vary greatly depending on where you are in the country. On the other hand, the work is likely to cost between \$100 and \$400. Installation of a backflow preventer, unlike other building jobs, is a very simple operation for which most plumbers will offer a flat price rather than an hourly cost. The procedure is normally finished in half a day or less, and it involves momentarily turning off your home's water supply. This is, however, the extent of the disturbance.

Key Factors

The size and kind of the system you have in your house are other important considerations in determining the ultimate cost. Although there are other elements at play, the age of your pipe system is one of the most important. Older systems are more difficult to install, which increases expenses. On the other hand, a large house will need a more strong preventer, which will raise the price.

There are extra expenditures that you may choose to take on (or not) that will assist shape the final bill in addition to these crucial criteria in determining the pricing. The following are some of them.

Additional Costs

The expenses listed below are all partially optional, meaning you can pay them or not. They may not be due in every jurisdiction if they are not voluntary. They don't count as core costs in any case, and you'll need to conduct some study (with the help of an expert) to see if they apply to your situation.

Testing Cost

You can pay for a test if you currently have a backflow preventer or want to make sure your new system is operating properly. This includes a plumber moving (clean) water in the incorrect direction through your system, allowing the backflow preventer to demonstrate whether or not it works. This will often cost between \$20 and \$100. It can be folded into the overall expenses if you want to incorporate it as part of your installation, which may result in a discount.

Installation Permit

Installing a backflow preventer may require a permit in some towns. This is because, in the event of a flood, it might cause leaks elsewhere in the system. As a result, the city restricts who has backflow preventers in order to monitor the problem better. If this is the case, your plumber or installer will be able to tell you. A permit will typically cost you \$50.



You need a permit for installing a backflow preventer in some areas (Reference: clogkingsllc.com)

Repairs to an Existing System

It's possible that you already have a backflow preventer that isn't working. If this is the case, repairing rather than replacing the system is typically the better option. Before beginning, a plumber will normally check to determine whether there is a system in place. A system that has already been installed will typically cost between \$50 and \$150 to fix.

Important Cost Factors to Install a Backflow Preventer

The cost is affected by a variety of things. Costs of backflow preventer devices, labor, permits, backflow testing, thermostatic freeze relief (if required), and so on. Understanding the cost element can help you comprehend the whole cost.

Knowing the cost component makes estimating the entire cost easier. The following are the top five factors:

- You must first obtain permission if one is required.
- You must select between a high-level and a low-level cost procedure.
- Then you must select the device you wish to install (Sizes range from half to twelve inches).
- You must figure out how much expert labor will cost.
- You must also locate the necessary equipment and pay the testing charge.

If you want to do it yourself, you must be well familiar with the procedure of installing a backflow preventer. You must also confirm that the safety measurements are met before beginning the task.

Other Considerations

One of the issues with a backflow preventer is that after it's installed, it's easy to forget about it. As a result, it might be challenging to see the advantages it offers. When your neighborhood floods, though, you'll quickly realize the benefits of a backflow preventer – especially if your neighbor doesn't have one installed. The cost of installation will appear to be low at that point.

Investing in your house's sewage pipe is a pretty simple sell when compared to other prospective home renovations. Unlike other contractor work, it is unlikely to cost you thousands of dollars, will not involve a lot of effort, noise, or disruption, and will take less than a day to complete.

Furthermore, other than the occasional examination to verify that everything is in full operating condition, it requires little to no maintenance. And you'll be eternally thankful that you have one installed when backflow occurs.

Conclusion

In this post, we have described the basics of the backflow valves along with their installation cost and maintenance. At Linquip, you can find numerous **Valve Companies**, along with various **Service Providers** and **Distributors**.

FAQs about Backflow Valve Installation

1. Where Should A Backflow Valve Be Installed?

What is the location of the Backflow Preventer? Your backflow prevention component should be put in an above-ground enclosure. It's the most secure and cost-effective location.

2. Do You Need A Strainer Before Backflow?

A strainer will keep the backflow preventer active if the public distribution system has a history of water main breaks or silty sand from shallow wells.

3. Can A Backflow Valve Be Installed Vertically?

Backflow preventers must be put in the direction that they were intended and authorized for (vertical, horizontal, etc.). Backflow preventers can be mounted horizontally, vertically (up or down), or in other configurations to facilitate installation.

4. How Do Backflow Valves Fail?

The following are some of the most typical issues that might cause your backflow preventer to fail: The first check valve is faulty. At certain water pressures, the first check valve of a reduced pressure backup preventer opens, enabling water to pressurize the area between the first and second check valves.

5. Can A Backwater Valve Be Installed Outside?

Backwater valves can be mounted on the exterior of a structure. In these situations, a steep slope on the sanitary sewer lateral is required for a successful installation.