



## Top Applications of PVC Pipes

PVC (Polyvinyl Chloride) pipes are the most common and used pipes. These PVC pipes are manufactured in different dimensions and sizes therefore, it stands third in the category of widely manufactured plastic polymer. As the usage of PVC pipes is wide, it is extensively used in sewer system, houses, water service lines, agriculture, and drain waste vents and also in various other industries.

PVC pipes are often used because they are affordable, widely accepted by standards, strong, long-lasting, lightweight, easy to install, corrosion-resistant, and eco-friendly.



# AKG

Dr. A.K Garg Group of Companies

## Manufacturing Since 1985.

Approved in Various Govt. /Semi Govt. & Prestigious Pvt Sectors.

Most Exhaustive Range in Pipes & Fittings.

FRLS Conduit Pipes & Fittings also Available.

Conduits with best Bending Radius in industry.



### Corrugated Flexible Conduit PIPES & FITTINGS



### PVC Casing Capping Trunking & Trunklinks



### Wires & Cables



Rigid PVC Conduits & Fittings | PVC Casing & Capping | PVC Trunkings/ Cable Management System | PVC Wiring Channels (Slotted & Unslotted) | Wires & Cable

## AKG PLASTICS PVT LTD

B-23, Secotr-85, Noida UP, 201305

[www.akggroupindia.com](http://www.akggroupindia.com)

The top applications for PVC pipes are as follows:

### PVC Pipe for Water Plumbing and Water Pipes

PVC pipes are frequently used in water pipelines and plumbing systems. By volume and mass, it is the PVC applications sector with the largest market. PVC pipes were initially utilised for water management before being further incorporated into modern infrastructure and society. PVC pipes come in a variety of shapes, lengths, and sizes. The pipes are used to bring water to a variety of locations, including buildings, businesses, facilities, and machinery. If you are looking for water plumbing or water pipes, AKG group offers the [Best Plumbing Pipes in India](#).

## **PVC Pipe for Waste Handling and Control**

The most common applications for PVC pipes are in waste management and control. They are employed for waste management in a variety of locations, including industrial zones, modern social infrastructure, commercial buildings, and so forth. Wastewater transportation, sewers, drains, and vents connected to various structures and machinery all use PVC pipes. Drains, vents, and waste (DWV) management systems use PVC pipes installed in toilets, sinks, and liquid handling equipment. Because of their synthetic qualities, such as resistance to corrosion, rust, and the growth of microbiological layers, as well as greater flexibility and bend strength, PVC pipes are advantageous in DWV applications. Because of this, they have an advantage over other metal piping and can profit from invention, management, and waste management.

## **PVC Pipes for the Management of Rainwater**

when it comes to enabling the rainwater collection system, PVC pipes are at the forefront. The upkeep and distribution of the rainwater are made possible by the PVC pipes. The PVC pipes carry the rainfall from the roof down into a collection or storage system. Special sockets are included into the fitting material that is used to connect the channel, making it easy to install and preventing leakage. PVC pipes provide a benefit over iron pipes, which rust easily. Depending on the requirements for the harvesting system, they are also available in a range of sizes and are simple to install. The UV stabiliser and high-quality PVC pipes guarantee that the system won't fracture or bend.

## **PVC Pipes for Farming**

Without PVC pipes, one of the biggest and most significant industries, agriculture, would be without. PVC pipes are utilised for all significant agricultural operations, including irrigation, sprinkler systems, and the spraying of pesticides and fertilisers. PVC agricultural pipes are used on farms for pest control and irrigation purposes. All types of chemicals, corrosion, soil, and fire cannot harm PVC pipes. They are therefore the most suitable for carrying fertiliser and insecticides into a farm. PVC farm pipes are incredibly durable, need minimal upkeep, and, under ideal circumstances, endure more than 50 years.

## **PVC Pipe for Sprinkler Systems**

The use of PVC pipes in sprinkler systems for both light hazards and multiple purposes has been permitted. In public spaces like museums, theatres, and libraries as well as in hotels, workplaces, and private structures, fire sprinkler systems are frequently installed using PVC pipes. PVC pipes are resistant to corrosion, scaling, and the growth of any microbiological layer, making them more durable and low-maintenance than conventional iron pipes. In the fire sprinkler system, the PVC pipes are not combustible and do not cause flashover. PVC pipes

have non-corrosive qualities, are lightweight, and are simple to build in a small area.

### **Using PVC Pipes in Industry**

The usage of PVC pipes in the industrial sector has proven to be advantageous. PVC piping may convey a variety of materials, including dangerous chemicals and cold water. PVC pipes are very helpful in industrial settings due to their strong resistance to corrosion. The piping system for industrial application must be durable to withstand the harsh climate while transporting hazardous waste or chemicals. As a result, the PVC pipes are gathered in a limited area and provide non-corrosive qualities.

### **Fittings for PVC Pipe**

Because they provide a large selection of pipes, valves, and fittings, the most recent PVC pipes and fittings have shown to be beneficial in practically all fields. PVC pipes can be connected in a great variety of ways since they come in several shapes, including straight pipes, branch pipes, T-shaped pipes, and bracketed pipes. As a result, PVC pipes offer a versatile system that is simple to install and free of cracks.