

Types of GI Pipes and their Classification Based on Industrial Usage in India

Galvanization is a process that makes galvanized iron pipes, also called GI pipes, stronger and last longer.



Ghaziabad, Uttar Pradesh Mar 22, 2024 ([Issuewire.com](https://www.issuewire.com)) - In India in 2024, GI Pipes emerged as one of the most sought-after industry commodities. They garnered substantial demand within the business and construction sectors. The popularity of GI Pipes stems from their low carbon content and zinc coating, rendering them highly resistant to corrosion. These pipes are available in three sizes, determined by the thickness of the sheet utilized in their fabrication. [Galvanized Pipe Dealers](#) witnessed a surge in demand due to the widespread adoption of GI Pipes across various applications.

Galvanization is a process that makes galvanized iron pipes, also called GI pipes, stronger and last longer. During this process, zinc is applied to the pipes to stop rust from forming and make them last longer. To meet the needs of a wide range of customers, GI pipes come in a variety of sizes and specs.

GI pipes in India are divided into three types based on their industrial uses: light, medium, and heavy pipes.

Classes A and B GI Pipes: These are mild-gauge pipes that can be told apart by a yellow stripe. When compared to other types of GI pipes, Class A pipes tend to be less expensive.

GI pipes in Class B: These have a blue stripe on the outside and cost more than Class A pipes but less than Class C pipes. The blue line helps you see what size pipe it is.

Labelled with a red stripe, Class C GI Pipes are the best type of GI Pipes because they are of higher quality and last longer. Even though they cost more, Class C pipes are the best choice for situations where strength and durability are very important.

[GI Pipe Dealers](#) are very important in India because they make sure that customers can choose from a large selection of GI pipes and find the right one for their needs.

Uses of GI Pipes in India by 2024

- provision of water to residential areas
- carrying wastewater to a sewage
- Chemical conveyance
- Air vent
- Limited Airline

Galvanized iron pipe characteristics

- GI Pipes are more resilient and have longer lifespans.
- For demanding fabrication, they work best.
- The greater corrosion resistance of GI pipes is well recognized.
- GI pipes have a longer-lasting finish and are simple to cut.
- Extreme temperatures can be used with galvanized pipes.

The advantages of using GI pipes

- The lifespan of GI pipes is lengthy. In harsh environments, the minimum lifespan is about thirty years.
- If properly maintained, galvanized iron pipes have a 40–50-year lifespan under typical circumstances or in situations where they are less exposed to the elements.
- Pure iron has a very high ductility and is devoid of carbon. Steel and iron's lifespan is increased with zinc, a strong metal. Because of its strong restiveness, this combination is excellent for external use.
- An ISO certification is held by the majority of GI pipes.

- **Make sure you're safe when using GI pipes**

when putting a GI Pipe through a wall, you need to allow for future growth.

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When necessary, anti-corrosion coatings and lime treatments must be applied to these pipes.

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When GI Pipes are buried, they need to be covered with sand.

Manufacturing of GI Pipes

The wall thickness of its sheet changes with their diameters. Prior to being submerged in a zinc solution, this pipe is prepared. In this method, the pipe is kept from rusting. GI The way pipes are made makes it easy to thread, cut, and bend them, as well as to combine them. Even in coastal settings, its lifespan might reach a minimum of twenty-five years.

Finding the correct GI Pipes for your needs

Industries, home water lines, and other building sites use G I pipes all the time. They are bought in different sizes and wall thicknesses based on what is needed. Because GI Pipes are so flexible, it's easy to find them in both business and home settings.

They are the most famous because they last a long time, don't rust, and don't cost too much. They are usually made and galvanized to protect against corrosion and soil attack. Different pipe-making methods are used in different businesses to make GI pipes.

Explore a wide range of GI Pipes at L&T-SuFin

L&T SuFin is a well-known website where you can buy GI Pipes and other business supplies. Depending on the type of product bought, they help customers with logistics and some money issues. You can get the GI Pipes you need from the L&T SuFin page. If you want to learn more about the business world, read more blogs from L&T SuFin.

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