



**LARGEST RANGE OF
PRESSURE PIPE
IS:4985**



WE TAKE CARE OF ALL YOUR WATER MANAGEMENT NEEDS

We offer Highest Quality uPVC Column Pipes, Casing & Well Screen Pipes, Pressure Pipe, SWR Pipe, Drainage Pipe and Plumbing Pipe for your water management needs.



ROBUST WATER MANAGEMENT: **THE NEED OF THE HOUR**

With industrialization and globalization, rampant exploitation of natural resources has become the norm. People often take water resources and their abundant availability for granted. Just as important it is to know that there is limited water available, it is equally crucial to utilize the natural resources effectively and efficiently.

As water requirements escalate at an alarming rate, the need for the systematic operation and harnessing of water is increasing too. From industrial, residential, agricultural to commercial sectors, the efficient management of water resources has become indispensable for meeting the various water needs.

Enabling much more than easy transport of resources, water pipes have emerged as tools that make water management seamless. Following are the various ways pipes enable to efficiently harness the water resources.

- Transporting water to meet the irrigation needs in agricultural land.
- Extracting groundwater from borewells.
- Transferring water from water resources to water treatment plant.
- Transferring treated water from the plant to households, manufacturing units, offices, malls, hospitals, etc.

To carry out such varied ways of water management, it's critical to deploy a broad range

of piping systems. Expertly designed pipes become especially important due to global concern of growing temperature. With the Earth's average temperature escalating, it has become extremely crucial to choose pipes that can easily withstand the high-temperatures and carry the liquid or gas without contaminating the element.

VINYL PIPES: **EFFECTIVE WATER MANAGEMENT SOLUTIONS**

Specially created to meet myriad water applications, Vinyl offers an exhaustive range of piping systems that make water management easy and effortless. Keeping in mind the sustainability of the environment, all Vinyl pipes are designed to be safe and environment-friendly. High standards are maintained while outlining material quality, dimensions of the pipe, and operation design.

Understanding the indispensable need of robust piping systems, uPVC Pressure Pipes are created to withstand high-pressure, high-temperature and meet the needs of high water-carrying capacity.



Strategic Intent

परस्पररोपग्रहो जीवानाम्

Tattvārtha Sūtra [5.21]

Nothing sums up our business intent better than this Jain aphorism, which says that all life is bound together by mutual support and interdependence. It essentially means that all organisms are mutually beneficial to each other. Life can, therefore, be viewed as a gift of togetherness, accommodation and assistance in a universe teeming with interdependent constituents.

Our Goal

To make every water supply bore well across the globe highly efficient with excellent safety levels while maintaining its affordability at all times. Thus, we look forward to saving 1.3 billion units of electricity through our efforts.

Our Salient Features

- Management and production certificate from Six sigma and Just in time.
- Green practices compliance.
- Manufacturing as per DIN, ASTM, and GOST.
- Undergoing implementation for NSF 14,61, WRAS , ACS , Astm .SAAB.

Who **Are We?**

Family Run Professional Business for 8 decades Dedicated to Managing Water

We, at Vinyl Tubes Private Limited, are amongst the leading names in the piping and related products segment. The company, founded by Mr. Jaychand Jain in 1941, has emerged as one of the most trusted brands for uPVC pipes and fittings because of our utmost focus on quality. Under the aegis of his son Mr. Hukum Chand Jain and grandson, Mr. Vitul Jain, the company has managed to demonstrate outstanding competence and extraordinary team spirit.

Our prominence in the pipe manufacturing sector is a result of our reliance on efficient technologies and our propensity to leverage our proprietary knowledge by utilizing polymers in the water industry. As an organization that is fully committed to delivering results through an environmental-friendly approach, we use recyclable polymers for the complete water cycle.

What **We Do**

We develop and deploy the best technology and practices to achieve our mission

With approximately eight decades of experience in the Indian Pipe Market, we have explored the strong growth fundamentals in the Indian pipe industry. Through our consistent endeavors, we have managed to successfully optimize our production, processes, and quality control systems. Through the development and manufacturing of the strongest, safest, and most efficient range of eclectic uPVC pipes for all water applications, we ensure the reliability and efficiency of water supply systems across the globe.

We have unfolded new dimensions of development and progress through our initiatives and cherish a strong reputation for high-quality

products and a reliable distribution network. We deal in a wide range of products such as well casing pipes, pressure pipes, column pipes, screen pipes, and their respective fittings, which find application in irrigation, sanitation, housing, and drainage.

Our patented technology of power lock has made us one of the leading column pipes manufacturers and has helped us develop pipes for a range of water applications. We already have piping solutions for over a million borewells with the same technology and power lock. Our power lock technology endows us with the ability to develop uPVC pipes that are at par with global standards.

The Power of **Brand VINYL**

Consumer Satisfaction is the Priority

For us, our brand value isn't confined to the financial output that we generate through our customers. We are a customer-centric firm and the consumer satisfaction that we generate through our products and services is the most crucial denominator of our brand value for us. We firmly believe that the larger the impact we make on our customers' lives, the bigger we evolve as a company that revolves around customer satisfaction.

Understanding how important trust is for a brand, we work hard to stay miles ahead of every other player operating in this industry regarding quality assurance. Certifications from the Bureau of Indian Standards (BIS), Indian Standard Institute (ISI), International Standards Organization (ISO), and Conformité Européenne (CE) bear ample testimony to the emphasis on adherence to quality standards. Third-party inspections from agencies like SGC, RITES, and CIEPT lend further credibility to products from Vinyl Tubes.

uPVC Pressure Pipes: **Rigorously Designed for Robust Demands**

Vinyl uPVC pipes are the most advanced solution for the conveyance of high-pressure water. They are endowed with a host of superior features that make them the most suitable solution for transportation of potable and irrigation water. Based on the process of molecular orientation, they feature a layered plastic structure with clearly visible layers

Vinyl uPVC pressure pipes and fittings are known for their proven track record in the water reticulation sector. Vinyl pressure pipes are manufactured in accordance with the Part 1 specification of SANS 966, thereby incorporating the traditional design stresses of 10-12.5 MPa. They are well-suited for applications in both pumping and gravity designs. Their low friction results in lower pumping cost, which translates to enhanced energy saving.



Our **Pressure Piping System**

Vinyl's Pressure Piping System with a huge range of pipes and fittings in different sizes and pressure classes is an optimal option for water supply and irrigation. Vinyl uPVC pressure piping system has become the first preference of farmers, government institutions and different water supply bodies who have successfully replaced the traditional piping with Vinyl products.

Vinyl's exhaustive range of Pressure pipes is the most efficient piping system. uPVC Pressure Pipes are best suitable in situations that deal with high-pressure, high-temperature and which requires high water-carrying capacity. Vinyl offers a wide range of uPVC pressure pipes that are manufactured in accordance with IS:4985-2000. The pipes are offered in sizes 22 mm to 315 mm from class I to class V. Pipes with two types of joints are available, that is, solvent cement, and rubber seal. A wide variety of fittings are also provided by Vinyl that is handmade. The molded fittings are made in accordance with IS:7834 whereas the fabricated fittings are made in accordance with IS:10124. These Vinyl pipes are better than CI, DI or RCC in respect of being lightweight, easy to install, and corrosion-resistant. With high rates of flow, the pipes have a long life and are economical.

Being a multipurpose product, Vinyl Pressure Pipes find their application in agriculture farms, borewells & tubewells, and domestic water supply lines. They are also often used as drain pipes in commercial, residential, and industrial buildings.

uPVC Pressure Pipes are best suitable in situations that deal with high-pressure, high-temperature and which requires high water-carrying capacity.

Salient Features of Vinyl Pressure Pipes:

Excellent Quality Machining : The Vinyl uPVC pressure pipes are manufactured by the most advanced, up-to-date machines to ensure an immaculate product at every time.

Manufactured from quality raw material : The pipes are manufactured from the most supreme quality raw material, thereby ensuring high strength and durability.

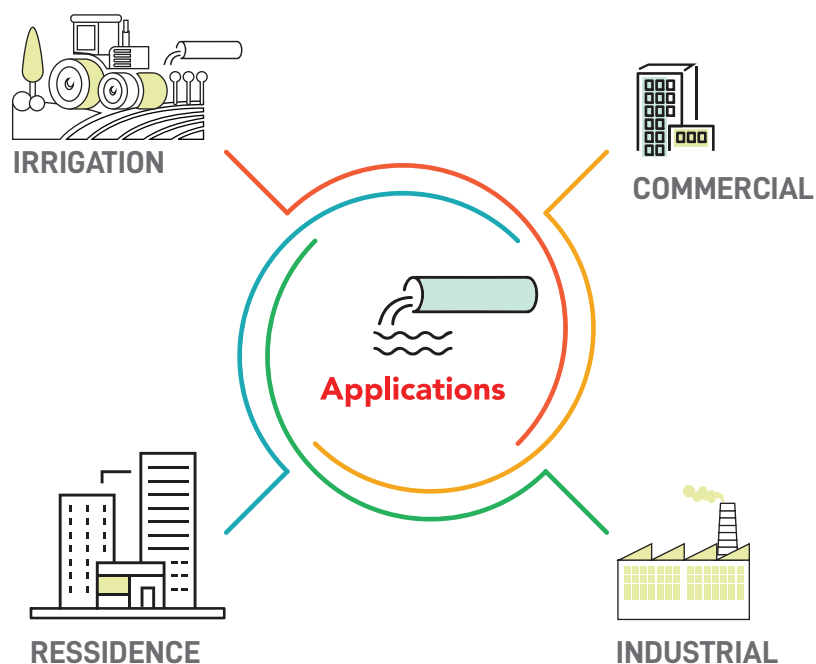
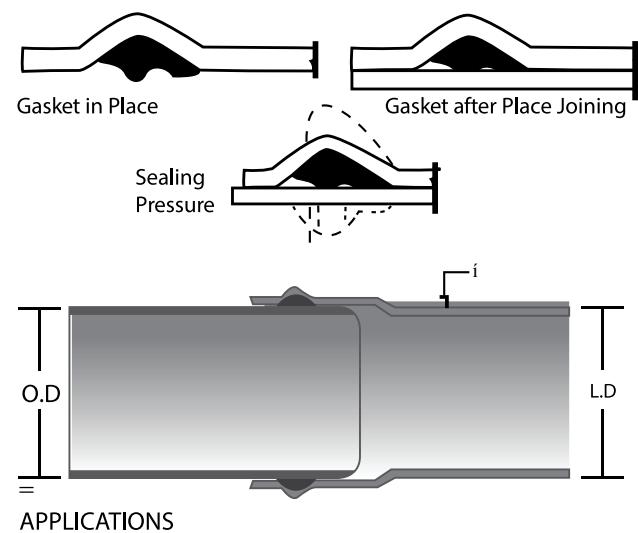
Offer excellent chemical resistance : To offer better functioning, the Vinyl pressure pipes are made immune to many chemicals such as acids, alkalis, oxidizing agents, domestic effluents, oils, etc.

Smoothbore : In order to support the hassle-free movement of the water, the pipes are equipped with a plane smooth inside surface.

Powerful quality standards : Manufactured under stringent quality standards, Vinyl uPC pressure pipes offer a reliable piping system which is tough, resilient and highly durable with best impact strength

Flexibility and Impact Resistance : The Vinyl uPVC pressure pipes have a high mode of elasticity that gives it maximum flexibility without damaging the structural integrity of the pipes. They can quickly reform and come back to the original shape right after the removal of the deformation source.

Thick walls : The Vinyl uPVC pipes have thick walls so as to meet the required pressure for carrying out the work.



Benefits of Vinyl Pressure Pipes:

Non-toxic	➤ These pipes are non-toxic in nature making themselves a safe option for drinking water.
No Odor	➤ Vinyl Pressure pipes are designed in such a way that they remain odourless for all their years in use.
Hygienic	➤ The pipes are considered to be exceptionally good for carrying water as they prohibit contamination, thus maintaining a high level of hygiene inside the pipe.
High resistance to corrosion	➤ The Vinyl pressure pipes are extremely resistant to chemicals as well as electrolytic and galvanic activities. Free from corrosion, the pressure pipes offer long and stable operations.
Self-extinguishing	➤ The Vinyl uPVC pressure pipes do not require any coatings for fire resistance as the pipes have self-extinguishing quality.
Zero maintenance	➤ The corrosion-resistant property of the Vinyl manufactured pressure pipes eliminate the repeated coating requirements thus making the product maintenance free.
Longevity	➤ The pipes are strong, reliable, and free from any weakness. The pipes can withhold scale formation as well as rusting and weathering thus giving a much longer life to the pressure pipes.
Cost-effective	➤ Extremely lightweight, the uPVC Pressure Pipes are superior and function for a comparatively longer period. They are highly cost-effective and offer easy transportation, installation, handling, and replacement. Its lightweight makes it easy to transport and handle and coupled with its high longevity, these pipes make for an excellent cost-effective solution.



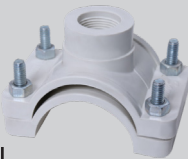
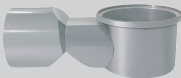
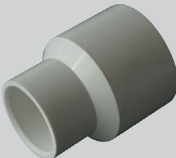
VINYL PRESSURE PIPES TECHNICAL CHART CONFORMING TO IS: 4985

Nominal Outside Diameter	Mean Outside Diameter		Wall Thickness					
			Class 1 0.25 Mpa		Class 2 0.4 Mpa		Class 3 0.6 Mpa	
Nominal Size	Min	Max	Min	Max	Min	Max	Min	Max
20	20.0	20.3	-	-	-	-	-	-
25	25.0	25.3	-	-	-	-	-	-
32	32.0	32.3	-	-	-	-	-	-
40	40.0	40.3	-	-	-	-	1.4	1.8
50	50.0	50.3	-	-	-	-	1.7	2.1
63	63.0	63.3	-	-	1.5	1.9	2.2	2.7
75	75.0	75.3	-	-	1.8	2.2	2.6	3.1
90	90.0	90.3	1.3	1.7	2.1	2.6	3.1	3.7
110	110.0	110.4	1.6	2.0	2.5	3.0	3.7	4.3
125	125.0	125.4	1.8	2.2	2.9	3.4	4.3	5.0
140	140.0	140.5	2.0	2.4	3.2	3.8	4.8	5.5
160	160.0	160.5	2.3	2.8	3.7	4.3	5.4	6.2
180	180.0	180.6	2.6	3.1	4.2	4.9	6.1	7.1
200	200.0	200.6	2.9	3.4	4.6	5.3	6.8	7.9
225	225.0	225.7	3.2	3.9	5.2	6.0	7.6	8.8
250	250.0	250.8	3.6	4.2	5.7	6.5	8.5	9.8
280	280.0	280.9	4.1	4.8	6.4	7.4	9.5	11.0
315	315.0	316.0	4.6	5.3	7.2	8.3	10.7	12.4
355	355.0	356.1	5.1	5.9	8.1	9.4	12.0	13.8
400	400.0	401.2	5.8	6.7	9.1	10.5	13.5	15.6
450	450.0	451.4	6.5	7.5	10.3	11.9	15.2	17.5

VINYL PRESSURE PIPES TECHNICAL CHART CONFORMING TO IS: 4985

Nominal Outside Diameter	Mean Outside Diameter		Wall Thickness					
			Class 4 0.8 Mpa		Class 5 1.0 Mpa		Class 6 1.25 Mpa	
Nominal Size	Min	Max	Min	Max	Min	Max	Min	Max
20	20.0	20.3	-	-	1.1	1.5	1.4	1.8
25	25.0	25.3	1.2	1.6	1.4	1.8	1.8	2.1
32	32.0	32.3	1.5	1.9	1.8	2.2	2.2	2.7
40	40.0	40.3	1.8	2.2	2.2	2.7	2.8	3.3
50	50.0	50.3	2.3	2.8	2.8	3.3	3.4	4.0
63	63.0	63.3	2.8	3.3	3.5	4.1	4.3	5.0
75	75.0	75.3	3.4	4.0	4.2	4.9	5.1	5.9
90	90.0	90.3	4.0	4.6	5.0	5.7	6.1	7.1
110	110.0	110.4	4.9	5.6	6.1	7.1	7.5	8.7
125	125.0	125.4	5.6	6.4	6.9	8.0	8.5	9.8
140	140.0	140.5	6.3	7.3	7.7	8.9	9.5	11.0
160	160.0	160.5	7.2	8.3	8.8	10.2	10.9	12.6
180	180.0	180.6	8.0	9.2	9.9	11.4	12.2	14.1
200	200.0	200.6	8.9	10.3	11.0	12.7	13.6	15.7
225	225.0	225.7	10.0	11.5	12.4	14.3	15.3	17.6
250	250.0	250.8	11.2	12.9	13.8	15.9	17.0	19.6
280	280.0	280.9	12.5	14.4	15.4	17.8	19.0	21.9
315	315.0	316.0	14.0	16.1	17.3	19.9	21.4	24.7
355	355.0	356.1	15.8	18.2	19.6	22.6	24.1	27.8
400	400.0	401.2	17.8	20.5	22.0	25.3	27.2	31.3
450	450.0	451.4	20.0	23.0	24.8	28.6	30.5	35.1

PRESSURE FITTINGS AS PER IS: 7834

			
ELBOW PN4 40mm - 90mm	ELBOW PN6 ISI 50mm - 90mm	ELBOW REGULAR 63mm - 90mm	ELBOW 140mm - 160mm
			
REDUCING ELBOW 110mm - 90mm	ELBOW PN10 90mm - 110mm	TEE REGULAR 63mm - 110mm	TEE PN4 40mm - 110mm
			
TEE PN10 90mm - 110mm	ELBOW PN10 90mm - 110mm	TEE PN6 ISI 50mm - 110mm	MALE THREADED ADAPTOR (MTA) 63mm - 110mm
			
SERVICE SADDLE 110x15/20/25/32mm	FEMALE THREADED ADAPTOR (FTA) 40mm - 110mm	S-TRAP 110x110mm - 125x110mm	NAHANI TRAP WITHOUT JALI 110x75mm - 110x63mm
			
TEE 140mm - 200mm	REDUCING COUPLER 75x63mm - 160x110mm	END CAP 63mm - 225mm	P-TRAP 110x110mm - 125x110mm
			
Q-TRAP 110x110mm - 125x110mm	JALI (ROUND) 110mm	VENT COWL 75mm - 110mm	MULTI FLOOR TRAP (W.O.JALI) 110mm
			
END CAP THREADED 75mm - 100mm	PIPE CLAMP 75mm - 110mm	REDUCING BUSH 110x90mm - 160x110mm	PVC SOLVENT CEMENT 25mm - 5000mm

AGRI PIPES CONFORMING TO IS 4985-2000

AGRI PIPES Class I - 3"x16" | Class II - 2"x16" | Class III - 1 1/4"x16"
Class IV - 3/4"x16" Class V - 1/2"x16"

What makes Vinyl Pipes Your **Best Bet?**

Our dedication to be the one-stop-shop for all your piping needs gives us an edge over others and makes us the most preferred choice in the market. Whatever be the needs, troubles or preferences of our clients, Vinyl Pipes promises to take care of it all.

From an extensive range of pipes to the availability of specific customizations, the following checklist sheds light on our commitment to be the solution to every piping problem in the industry.

- Availability of Pipes of All Dimensions - From 1 inch to 20 inches pipes
- Varied Applications - Suitable for Agricultural, Industrial and Domestic Uses
- Specific Customizations Available - The Pipes can be tailor-made as per the preferences and needs of the client.
- Successful History: We have an impressive track record of 10 million successful installations.
- Suitable for Trusted Pipe Brands: Our pipes are suitable for most of the leading pump manufacturers including Grundfos, FE, GWS, Wilo, Leo
- International Adherence to all Major Standards - DIN , ISO , ISI, NSF APPLIED, WRAS, CIPET
- Screening by Third-party Testing Agencies - A robust screening process including inspection and verification by Crown agents and SGS agencies is carried out to ensure the utmost transparency and credibility in our operations.
- Complete Product Range SKUs- Ready and Available stock for most of the Products.
- Shorter Delivery Period - The Facility of shorter delivery period is available for large quantity supplies. Our stock can be delivered to most global sea ports within three weeks.
- Facility of Client-oriented Deadlines - The product delivery deadline can be matched with the dates preferred by the client.
- Global Shipments - The company offers the provision of handling shipments on a global scale.
- Global Reach: We have a global reach of 44 countries including Japan, Italy, US, France and Russia.
- Favourable Locations - Factories established near sea port for easy delivery. Our new manufacturing facility is only 10 km from the most connected sea port in India.
- Highly Competitive Pricing: Our products are offered at competitive prices owing to the direct bulk supply of raw materials and our high production volumes.
- A Global OEMS Solution - A mass producer and the preferred choice of client as a global OEMS company
- Extensive network of Raw material Suppliers - The company receives a supply of a vast range of raw materials, spanning from Formosa, Reliance to OXY vinyl.
- Extensive network of Chemical and Additive Suppliers - Names of brands
- A State-of-the-art Manufacturing Facility - The manufacturing facilities contain an in-house engineering department that develops and employs the most sophisticated tools and machines matching the widely-accepted International standards.
- Complete Automation and CNC operation - The advanced machines running in our facilities are fully automated and operate only on CNC, ensuring the maximum efficiency and productivity.

With an unwavering dedication to our vision and a promise to deliver nothing but the best, Vinyl Pipes is poised to become the largest and most advanced Casing Pipes Supplier in the world.

Installation **Guide**



1. Cutting - Cut the pipe with the help of a hand saw and ensure that it is cut at right angles from all sides. The cut piece should not have irregular and rough edges.



2. Deburring and Ridge Removal - After cutting, remove all the ridges and burrs accumulated on the inner and outer edges of the pipe with the help of a deburring file, knife or abrasive paper.



3. Cleaning - Now clean the pipe with a dry cloth to avoid any sort of dust, dirt, moisture, oil and any other foreign material during the course of the installation process.



4. Chamfering - After cleaning, the pipe is required to be chamfered from the outer sides. It is suggested to provide approximately 2 mm wide, 150 chamfer on the spigot end.



5. Dryfit Test - Fit the pipe end into the socket of the next pipe or fitting before applying solvent cement to check that interference occurs at about $\frac{1}{3}$ to $\frac{2}{3}$ of the socket depth.



6. Application of Solvent Cement - Now, mark the length of the pipe which is to be inserted for joining. Apply a lenient coat of solvent cement with the help of the brush at the right place.

7. Jointing - Push the pipe inside the fitting so that it goes inside it equally from all sides. Wipe off the excess solvent cement. Hold both the pipes for 2 minutes so that the joint is done perfectly.

VINYL TUBES PRIVATE LIMITED

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