

we transit life

**kankai**<sup>®</sup>  
PIPES & FITTINGS



Pipes & Fittings



# Company Profile



Kankai Pipes & Fittings Private Limited has been incorporated in 2013 as Plastic pipes manufactures in india. We are Known for our specialization in the field of manufacturing plastic pipes and fittings which has helped us to earn an enviable reputation till date. Our financial stability and a strong work force have given us the confidence as being reliable plastic pipes manufacturers thus offering our clients with quality based products. This has paved our way towards a better business at a consistent pace.

Our motto has always been to offer superior quality products at the best competitive price. An experienced and highly qualified technical team in association with skilled quality managers in this field proves to be a boon for our company. Being emerging plastic pipes manufacturers in india we have focused on providing customized services and on time delivery of our products. sustaining a long term relationship will lead us to acquire a major customer base by supplying the desired range of plastic pipes and fittings.

Mr. Sagar Patel has been an influential guidance as a mentor and it is under his supervision we have been able to overcome the many hurdles towards our success. His rich experience and enthusiasm in the domain as a plastic pipes manufacturers has given us ways to attain a reputed place in the market.

## Our Team

At Kankai Pipes & Fittings Private Limited, our belief and confidence has always been on our expertise team of professional who have been a great support at all times. Their experience and in-depth knowledge in the area of manufacturing plastic pipes and fittings has assisted us to capture the market in a big way. We have a team of quality controllers, production staff and administrative controllers who are well acquainted with the latest developments and tools which have become a trend in the current scenario.

## Our Infrastructure

As leading plastic pipes manufactures in india, we have been doing well in maintaining our reputation in this domain. Our in house research and development units have helped us with innovative technologies and facilities which are the requirements of the present system. The infrastructure includes a well equipped state-of-art facilities consisting of warehousing units, manufacturing units, packaging units and quality control units which are maintained by our skilled professionals

## Client Satisfaction

Ever since our inception in 2013, we have focused to attain high standards with respect to client satisfaction. Over the years, as one of the leading and trustworthy plastic pipes manufacturers, our motto has been to exceed customer satisfaction and win their loyalty. We treat each client as our only client by paying excellent attention to all their needs and queries. We ensure that every service is met as per customer's expectations. At Kankai Pipes & Fittings Private Limited, we welcome all our customers with open arms and take appropriate care of their needs and security. As one of the most reputed manufacturers, we are focused on empowering our clients with necessary information related to plastic pipes and fittings. Our mode of payment too is completely trouble free.



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## Salient Feature

- Ultimate for Hot & Cold Water Uses.
- Smooth Internal Surface & Energy Saving.
- High Impact Strength and Durability.
- Strong and Tough Materials.
- Corrosion Resistance.
- Very Easy & Fast Installation.
- Lower Bacterial Growth.
- Fire Resistance.
- Unaffected By Chlorine In The Water.
- Very Low Thermal Expansion.

## Applications

- Hot and cold potable water distribution in buildings of all types - residential (low rise & high rise), commercial complexes & institutes
- Can be used in fire suppression systems (sprinklers etc.) due to its fire resistance.
- Corrosive fluid handling industries.



## Specifications

Dimension And Pressure Rating Chart of CPVC Pipe

Nominal Pipe Size		Outer Diameter (mm)		SDR 11				SDR 13.5			
				Wall Thickness (mm)		Working Pressure at		Wall Thickness (mm)		Working Pressure at	
						23°C	82°C			23°C	82°C
inch	mm	Average	Tolerance	Min.	Tolerance	Kg/cm <sup>2</sup>		Min.	Tolerance	Kg/cm <sup>2</sup>	
0.50"	15	0.625 (15.90)	± 0.003 (± 0.08)	0.068 (1.73)	+ 0.020 (+ 0.51)	28.1	7.0	0.055 (1.40)	+ 0.020 (+ 0.51)	22.6	5.6
0.75"	20	0.875 (22.20)	± 0.003 (± 0.08)	0.080 (2.03)	+ 0.020 (+ 0.51)	28.1	7.0	0.065 (1.65)	+ 0.020 (+ 0.51)	22.6	5.6
1.00"	25	1.125 (28.60)	± 0.003 (± 0.08)	0.102 (2.59)	+ 0.020 (+ 0.51)	28.1	7.0	0.083 (2.12)	+ 0.020 (+ 0.51)	22.6	5.6
1.25"	32	1.375 (34.90)	± 0.003 (± 0.08)	0.125 (3.18)	+ 0.020 (+ 0.51)	28.1	7.0	0.102 (2.59)	+ 0.020 (+ 0.51)	22.6	5.6
1.50"	40	1.625 (41.30)	± 0.004 (± 0.010)	0.148 (3.76)	+ 0.020 (+ 0.51)	28.1	7.0	0.120 (3.06)	+ 0.020 (+ 0.51)	22.6	5.6
2.00"	50	2.125 (54)	± 0.004 (± 0.010)	0.192 (4.90)	+ 0.023 (+ 0.58)	28.1	7.0	0.157 (4.00)	+ 0.023 (+ 0.58)	22.6	5.6



## CPVC Fittings

### Salient Feature

- Good abrasion resistance
- Easily portable
- Light weight
- Made from top-grade raw materials
- High floor characteristics
- Easy to handle
- A smooth inner wall that reduces frictional losses
- Inert to most alkaline and acidic solution
- Excellent strength and flexibility
- Excellent chemical and corrosion resistance

## CPVC Brass Fittings

### Salient Feature

- Unmatched quality
- Resistance to corrosion
- Unsurpassable performance
- Easy installation
- Precise dimension
- Accuracy in design
- Reliable
- Superior tensile strength

## Specifications

- Size: Ranging from ½ to 2 inches
- Threads: UNEF, UNF, UNC, NPT, BSP, BSPT, BSW, BA, ISO Metric (MM Threads)
- Plating: Natural, Chrome, Nickel, Tin Plating, other coating catering to customer specifications



## Salient Feature

- Seamless performance
- Leak proof
- Immunity to electrolytic or galvanic corrosion
- No fungal or biological growth
- Less wear resistance
- Nominal rates
- Sturdy construction
- Dimensionally accurate
- Reliability
- Excellent durability
- Quality assured
- Easy to install

## Applications

- Cold water supply in building construction
- Industrial process lines
- Swimming pools
- Salt water lines
- Aggressive / corrosive fluid transportation
- Dye plants, chrome, zinc plating and tanning plants
- Sugar, paper and distillery industries
- Coal washing and ash handling

Product Name : Plumbing Pipes  
 Range : 0.5" to 4" in schedule 40 & 80 as per ASTM-D-1785  
 Standard : As per ASTM-D-1785  
 Colour : White  
 Length : Available in 3 & 6 meter

## Technical Parameters

Nominal Diameter		Outside Diameter (mm)		SCHEDULE 40			SCHEDULE 80		
				Wall Thickness (mm)		Working Pressure at 23° c	Wall Thickness (mm)		Working Pressure at 23° c
inch	mm	Min.	Max.	Min.	Max.	Kg/cm <sup>2</sup>	Min.	Max.	Kg/cm <sup>2</sup>
0.50"	15	21.2	21.5	2.8	3.3	41.4	3.7	4.2	58.6
0.75"	20	26.6	26.8	2.9	3.4	33.1	3.9	4.4	47.6
1.00"	25	33.3	33.5	3.4	3.9	31.1	4.5	5.1	43.4
1.25"	32	42.0	42.3	3.6	4.1	25.5	4.8	5.4	35.9
1.50"	40	48.1	48.4	3.7	4.2	22.8	5.1	5.7	32.4
2.00"	50	60.2	60.5	3.9	4.4	19.3	5.5	6.2	27.6
2.50"	65	72.8	73.2	5.2	5.8	20.7	7.0	7.8	29.0
3.00"	80	88.7	89.1	5.5	6.1	17.9	7.6	8.5	25.5
4.00"	100	114.1	114.5	6.0	6.7	15.2	8.6	9.6	22.1



# uPVC Plumbing Fittings

## uPVC Fittings

### Salient Feature

- Durability
- Reliability
- Sturdy construction
- Economic rate
- Water and leak proof

Product Name : uPVC Plumbing Fitting  
Range : 0.5" to 2" in schedule 80 as per ASTM D-2467  
Standard : ASTM D-2467  
Colour : White

## uPVC Brass Fittings

### Salient Feature

- Dimensional accuracy
- High quality
- On time delivery
- Develop as per ASTM Standard
- Reliable
- Durable
- Corrosion resistant



# uPVC Column Pipes

## Salient Feature

- Low maintenance and long life
- No contamination because of corrosion or incrustation
- High tensile load capability
- Leak proof joints
- High impact strength
- Low cost compared to C.I and G.I pipes
- Smooth bore that offers excellent flow properties
- Easy in installation
- Economically satisfied
- Minimum frictional losses thus saving power
- 25% higher discharge charge than G.I pipes
- Non conductor of Low thermal conductivity and electricity

## Applications

- Water rising for submersible pump set
- It is commonly used as replacement on the place for MS, ERW, GI, HDPE and stainless steel

Product Name : uPVC Column Pipes  
 Range : 1" to 4" Outer Diameter (25mm to 100mm Nominal Diameter)  
 Colour : White  
 Length : Available in 3 meter  
 Types : Available in Three grades



## Some important features of our column pipes, couplers and its accessories

- Square threads of pipes as well as coupler gives very high tensile load capacity, high izod impact and easy fitment, re-fitment and longer life
- The rubber dampeners, silent system provides leak proof fittings and also absorbs the vibration of the pump which results in longer life of motor and pump bearing.
- Our square threads of pipes as well as coupler are of best designed and manufactured in CNC machines in order to provide best accuracy and quality.
- The rubber ring like step ring, L-ring, O-ring & Seal ring are of natural rubber and best to absorb the shock of motor
- Our thick and thin portion of the pipes has been so developed in order to absorb the full torque produced due to motor thus resulting long life.
- The technically developed adapters have 11 TPI metric threads at one end which fits into motor and square threads at one end which fits into column pipes.

## Technical Parameters

Capacity to pull weight of submersible pumps column pipes with chain pulley

Nominal Diameter		O.D. Nominal	Product Range		
inch	mm		Ultimate Breaking load (Kgs.)		
			Medium	Standard	Heavy
1.00"	25	33	1400	1800	-
1.25"	32	42	2100	2600	3100
1.50"	40	48	2500	3000	4000
2.00"	50	60	2800	3800	4700
2.50"	65	75	3500	5000	7000
3.00"	80	88	5000	7000	9500
4.00"	100	113	7500	10300	16000

\*Technical specification are subject to change without prior notice.





**PIPES & FITTINGS**

# uPVC Pressure Pipes

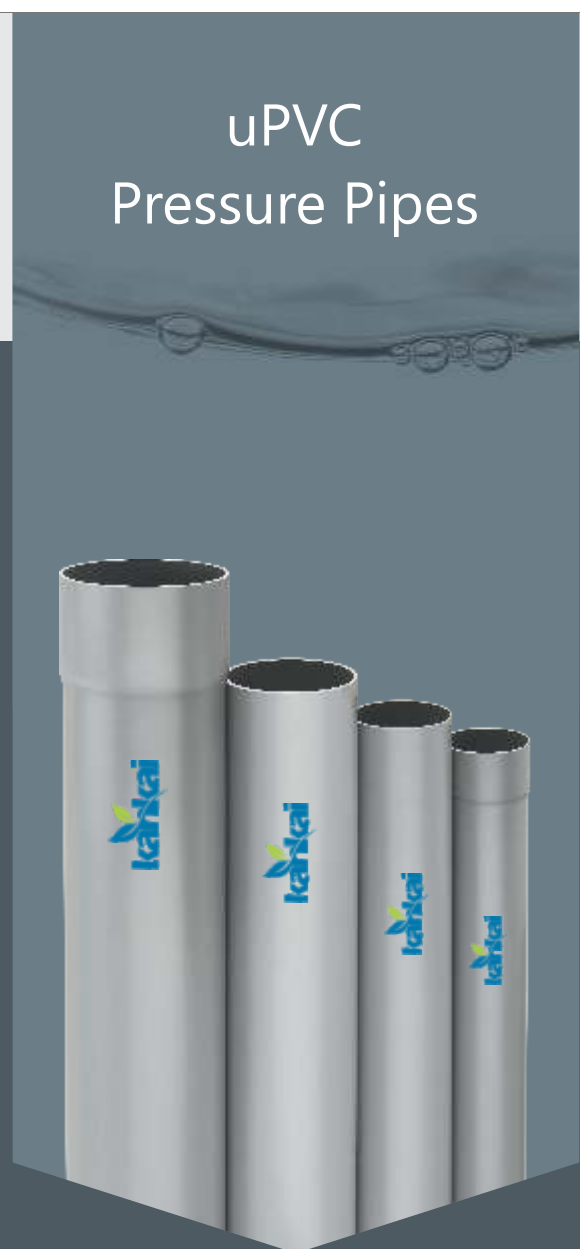
## Salient Feature

- Suitable for potable water supplies.
- Light weight offers total economy in handling, transportation & installation
- Seamless, strong & resilient
- Odorless and hygienic for potable water
- Longer lasting PVC is free from weakness caused by formation, rusting and weathering.
- Energy efficient
- High flow characteristics

## Applications

- Water supply
- Lift irrigation
- Main and sub main line for drip and sprinkler irrigation system
- Fertilizer, lifting, transporting, conveying, distributing disposing or tapping water
- Urban and rural areas drinking water scheme

Product Name : uPVC pressure pipes  
 Range : 20 mm to 315 mm Outer Diameter  
 Pressure Rating : 2.5 kg/cm<sup>2</sup> to 10.0 kg/cm<sup>2</sup>  
 Standard : IS : 4985 : 2000  
 Colour : Light Grey  
 Length : Available in 4,5 & 6 meter  
 Types : Plain ended  
           Socketed pipe for elastomeric sealing ring  
           Socketed pipe for solvent cement jointing



## Technical Parameters

Nominal Diameter		Mean Outside Diameter		Outer Diameter at any Point		Wall Thickness									
						Class - 1 2.5 kg/cm <sup>2</sup>		Class - 2 4 kg/cm <sup>2</sup>		Class - 3 6 kg/cm <sup>2</sup>		Class - 4 8 kg/cm <sup>2</sup>		Class - 5 10 kg/cm <sup>2</sup>	
inch	mm	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
0.50"	20	20	20.3	19.5	20.5	-	-	-	-	-	-	-	-	1.1	1.5
0.75"	25	25	25.3	24.5	25.5	-	-	-	-	-	-	1.2	1.6	1.4	1.8
1.00"	32	32	32.3	31.5	32.5	-	-	-	-	-	-	1.5	1.9	1.8	2.2
1.25"	40	40	40.3	39.5	40.5	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7
1.50"	50	50	50.3	49.4	50.6	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3
2.00"	63	63	63.3	62.2	63.8	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1
2.50"	75	75	75.3	74.1	75.9	-	-	1.8	2.2	2.6	3.1	3.4	4.0	4.2	4.9
3.00"	90	90	90.3	89.9	91.1	1.3	1.7	2.1	2.6	3.1	3.7	4.0	4.6	5.0	5.7
4.00"	110	110	110.4	108.6	111.4	1.6	2.0	2.5	3.0	3.7	4.3	4.9	5.6	6.1	7.1
4.50"	125	125	125.4	123.5	126.5	1.8	2.2	2.9	3.4	4.3	5.0	5.6	6.4	6.9	8.0
5.00"	140	140	140.5	138.3	141.7	2.0	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9
6.00"	160	160	160.5	158.0	162.0	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2
7.00"	180	180	180.6	177.8	182.2	2.6	3.1	4.2	4.9	6.1	7.1	8.0	9.2	9.9	11.4
8.00"	200	200	200.6	197.6	202.4	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11.0	12.7
9.00"	225	225	225.7	222.3	227.7	3.3	3.9	5.2	6.0	7.6	8.8	10.0	11.5	12.4	14.3
10.00"	250	250	250.8	247.0	253.0	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9
11.00"	280	280	280.9	276.6	283.4	4.1	4.8	6.4	7.4	9.5	11.0	12.5	14.4	15.4	17.8
12.00"	315	315	316.0	311.2	318.8	4.6	5.3	7.2	8.3	10.7	12.4	14.0	16.1	17.3	19.9

We provide SWR pipe fittings that designed in conformation with IS-13592 specifications for pipes and IS- 14735 specifications for fittings. These are energy efficient and widely demanded for drainage system for homes, offices, hotels, commercial complexes, drain lines in industries, chemical plants & power plants, also for drainage systems at public places.

## Salient Feature

- **Strong and durable** : The S.W.R. pipes & fittings are strong, sturdy and unbreakable. These are unaffected by weather conditions, termite, bacteria and fungus growths.
- **Easy to handle and Join** : These are light in weight, therefore easy to handle and join.
- **Better flow characteristic** : There is no deposit formation, so diameter of pipe remains the same resulting in better flow
- **Energy saving**: Have smooth internal surface which implies low frictional loss. Hence power consumption is on lower side.
- **Leak proof** : These are leak proof due to close dimensional tolerance and precision design.
- **Safe** : These are fire resistant and non conductor of electricity.
- **Resistant to** : rust, UV radiation, most of the chemicals
- **Economical** : These are cost effective and long lasting.
- **Maintenance free** : No breakage and free from rusting and unaffected by environmental stress.

## Applications

### Agricultural :

- Drainage system for home, offices, hotels, residential & commercial complexes and hospitals
- Sanitation purposes

### Industrial :

- In industries, chemical plants, power plants drains as chemical waste lines & overflow lines.

### Other :

- Drainage system for public places such as airports, railway stations, bus stands, hospitals and theaters
- In main vent lines in drainage schemes.



# Our Quality



## Quality Policy

Assuring relevancy and quality is what makes us a global player in its own right. We assure that the products are met as per the customer's expectations. Thus, we ensure the highest standard of output. In terms of quality assurance, we have set targets for measuring our performance and constantly discover prospects for enhancement quality is our hallmark and we conduct consistent quality checks on every product to ensure that no leakage or breakage takes place any where in the service.

All pipes and fittings at Kankai is manufactured under stringent process control and carefully monitored throughout the manufacturing process to offer our customers flawless products. We strive to achieve 100% customer satisfaction and to achieve this we ensure :

- Zero defect products
- Best services
- Timely dispatch
- Client satisfaction at every level
- Effective communication with clients
- Seek for performance feedback from customers for improvement





## Global Exports



### **Kankai Pipes & Fittings Pvt. Ltd.**

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