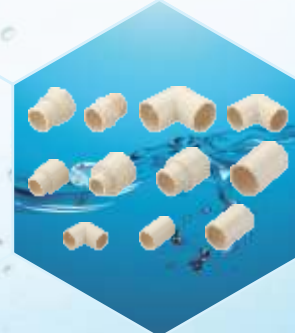
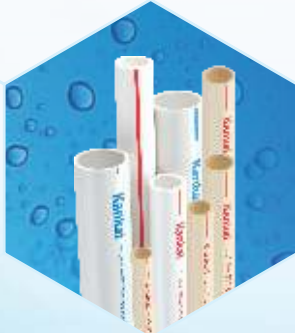


we transit life

**kankai**TM
PIPES & FITTINGS



Product Catalogue

cPVC Pipes & Fittings, uPVC Pipes & Fittings, uPVC Column Pipes,
uPVC Pressure Pipes, uPVC Casing Pipes, H.D.P.E. Pipes

About us

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.



Index

1	Table of Contents
2	cPVC Pipes
3	cPVC Fittings
4	uPVC Pipes
5	uPVC Fittings
6	uPVC Column Pipes
7	uPVC Pressure Pipes
8	uPVC Casing Pipes
9	Our Quality

CONTENTS



Salient Feature

- Ideal for hot and cold applications
- Tough and reliable
- Saves energy and cost
- Easy installation
- Cost effective

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

- Tensile: 560 Kg/cm²
- Flexural: 1057 Kg/cm²
- Compressive: 707 KG/cm²
- Low Thermal Conductivity: 0.137 W/m/K
- Low Thermal Expansion: 1.95x10⁻⁵ m/m/K

Technical Parameters

Dimension of 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 ²		Min.	Tolerance	Kg/cm ²	
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

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 1/2 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 Features

- 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
 Types : Plain ended & thread ended

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 ²	Min.	Max.	Kg/cm ²
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 Fittings

uPVC Fittings

Salient Feature

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

Product Name : Plumbing Fitting
Range : 0.5" to 2" in schedule 40 & 80 as per ASTM-D-1785
Standard : As per ASTM-D-1785
Colour : White
Types : Plain ended & thread ended



uPVC Brass Fittings

Salient Feature

- Dimensional accuracy
- High quality
- On time delivery
- Developed as per drawings
- Reliable
- Durable
- Corrosion resistant



Salient Features

- 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

Product Range					
Nominal Diameter		O.D. Nominal	Ultimate Breaking load (Kgs.)		
inch	mm		Medium	Standard	Heavy
1.00"	25	33	800	1300	1500
1.25"	32	42	1200	1500	1900
1.50"	40	48	1300	1700	2100
2.00"	50	60	1900	2100	2800
2.50"	65	75	1900	2700	4200
3.00"	80	88	2800	4000	5500
4.00"	100	113	5500	4100	9500

*Technical specification are subject to change without prior notice.

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/cm² to 10.0 kg/cm²
 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 ²		Class - 2 4 kg/cm ²		Class - 3 6 kg/cm ²		Class - 4 8 kg/cm ²		Class - 5 10 kg/cm ²	
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



PIPES & FITTINGS

uPVC Casing Pipes

Salient Features

- Suitable for bore or tube well supplies
- Light weight offers total economy in handling, transportation & installation
- Seamless, strong & resilient
- Longer lasting PVC is free from weakness caused by formation, rusting and weathering
- Economically
- Durable and maintenance free
- Maximum ambient temperature : 70° C
- Maximum installation depth - 80m to 250m
- Installation : Vertical, Horizontal or inclined

Applications

- Domestic wells, irrigation wells, industrial wells and mines
- Waste water (drainage & sewage)
- Urban and rural areas drinking water scheme

Product Name : uPVC Casing Pipes
 Range : 4" to 16" Outer Diameter
 Standard : IS : 12818 : 1992
 Colour : Regular Blue
 Length : Available in 3 meter
 Grade : CM & CS
 Types : Socketed pipe with thread ended

- Plain Pipes
 These can be used as extension pipes to screen pipe. They are of two types :
 C.S. Pipe : For shallow-depth (up to 80 m) red colour code.
 C.M. Pipe : For medium-depth (up to 250 m) yellow colour code
- Screen Pipes
 These pipes may be plain or ribbed. They have transverse slots and are mainly used in bore wells, from the water-table level onwards.
- Ribbed Screen Pipes
 These pipes have longitudinal ribs and transvers slots. The ribs keep granulated soil away from the slots, and increase the permeability rating to more than double when compared to plain screen pipes.



Technical Parameters

Nominal Diameter (DN)		Mean Outer diameter (d) of pipe (mm)		Wall Thickness (mm)				Length of Threads (mm)
				Type - CM		Type - CS		
inch	mm	Min.	Max.	Min.	Max.	Min.	Max.	
4.0	103	113.0	113.3	5.0	5.7	-	-	48
4.5	115	125.0	125.0	5.0	5.7	-	-	48
5.0	125	140.0	140.4	6.30	7.1	-	-	63
6.0	153	165.0	165.4	7.5	8.5	5.7	6.5	63
7.0	175	200.0	200.5	8.8	9.8	7.0	7.8	63
8.0	200	225.0	225.5	10.0	11.2	7.6	8.8	74
10.0	250	280.0	280.5	12.5	14.0	9.6	11.0	90
12.0	300	330.0	330.6	14.5	16.2	11.2	13.3	90
14.0	350	400.0	400.7	17.5	19.5	14.0	15.5	90
16.0	400	450.0	450.8	19.5	21.7	16.0	17.5	102

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



cPVC
Pipes

H.D.P.E.
Pipes

cPVC
Fittings

uPVC
Casing Pipes

uPVC
Pipes

uPVC
Pressure Pipes

uPVC
Fittings

uPVC
Column Pipes



Kankai Pipes & Fittings Pvt. Ltd.

Regd. Office : Survey No. 97/4, Padadhari Morbi Road, Village-Ukarada,
Taluka-Padadhari, Rajkot-360 110, Gujarat (INDIA)

Branch Office : 221, 2nd Floor, Plot No. H-6, Aggarwal Tower,
Netaji Subhash Place, Pitampura, Delhi-110034

Web : kankaipipes.com | E-mail : info@kankaipipes.com