



AN ISO 9001 : 2008 CERTIFIED COMPANY



Pipes & Fittings >>



History

Captain Pipes Ltd., We are a manufacturer of quality solutions for water supply and distribution. Our manufacturing capacity of 15000 metric tons per annum includes fully integrated and automatic German and Japanese technologies. Our in house laboratory ensures that our products conform to the quality standard of IS and ASTM.

Vision

We firmly believe that our success depends on our valuable customers and members of our company. We strive to create maximum value for our customers by providing them the most innovative and quality products for their needs. We always create an environment of trust, respect, and healthy relationship within our company campus. With this emphasis on our customers and members of our company we wish to make "CAPTAIN" the most trusted brand in domestic and international market.

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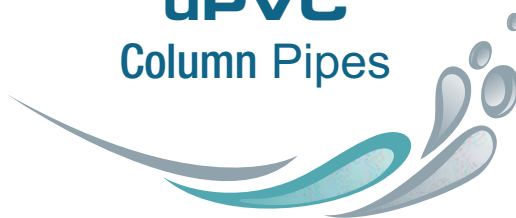
uPVC Column Pipe For Submersible Pump Set Suitable up to **1500 Feet**



“ Inventor Of In-built Locking System Without Breaking Of PVC Material...!!”



uPVC Column Pipes



Features :

- Made up of High Quality Virgin PVC Material
- Square threads of pipes are of best design and manufactured in CNC machine in order to provide accuracy and quality
- Square thread gives a very high load holding capacity and it do not rust
- The "O" ring is made up of high efficient rubber provide leak proof joints
- The thick and thin portion of pipes has been developed to provide higher strength to pipes
- Rigid with high impact resistance

Applications :

- Suitable for rising water using submersible pumps in Borewell
- Suitable for Jet Pump for irrigation and domestic usage
- Excellent alternative of MS, ERW, HDPE and SS Pipes
- Ideally suitable for Normal, Cold, clean, salty and sandy aggressive water
- Suitable for use as a movable pumping system

Properties :

- Odourless & Hygienic, so suitable for potable water supply
- High Izod impact and tensile strength
- High torque resistant
- 100% leak proof with high flow rate
- Economically satisfied as it is cost effective
- Minimum Frictional loss
- Light in weight hence handling, transportation and installation becomes much easier
- Non-corrosive, seamless, strong and resilient
- Rigid in nature with longer life
- 25% higher discharge compare to G.I. Pipes
- Low installation cost

Product name	: uPVC Column Pipes / Drop Pipes / Riser Pipes / Borehole Pipes	
Range	: 1" to 6" Outer Diameter (25 mm to 150 mm Nominal Diameter)	
Colour	: White	
Length	: Available in 3 & 6 meter	
Types	: (1) Tiny	(5) Standard Deluxe Plus
	(2) Medium Deluxe Plus	(6) Standard
	(3) Medium	(7) Heavy
	(4) Standard Deluxe	(8) Super Heavy



uPVC Column Pipes



In-Built Automatic Locking System

- In this, the coupler is fitted to the pipe through special automatic locking system to prevent thread slippage during assembly and dismantling process of pipe
- The advantage of this system is, it cannot be unthreaded and dismantled and provide rigid locking
- It also increases the life of the submersible pump



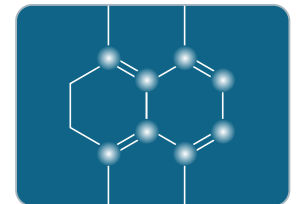
Square Threads

- The coupler and pipe joints have square threads machined using CNC machine to maintain accuracy for taking high load with no slippage of threads
- Due to this, it is very easy to assemble and dismantle column pipe as well as provide extra strength to the pipe
- It reduces the loosening of joints during ON/OFF of submersible pumpset
- This unique square thread provide sufficient grip and additional strength against tensile load



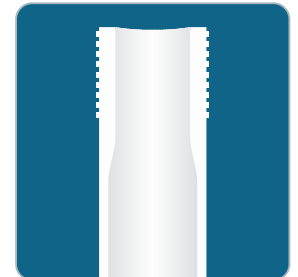
Bi-Axial Orientation

- Specially design Bi-Axial design tools in column pipe extrusion process to ensure the PVC molecular chain gets linear and diametrically oriented which gives higher impact strength to the pipes



Thick And Thin Portion of Pipe

- The technique for making column pipes thicker in the threading end to compensate for material due to threads. The residual thickness in the end part after removal of thread is the same as barrel thickness, therefore the pipe strength remains the same
- This technique saves raw material consumption also provides much higher strength to the pipes
- This portion has been developed in order to absorb the full torque produced from motor, thus resulting in long life



uPVC Column Pipe Accessories

Adaptor Set	Pump Guard Set	Belt Wrench	Sigri



uPVC Column Pipes



Technical Parameters

Nominal Bore (Avg.)		Outer Diameter (Avg.) mm	Technical Parameters	Grade							
				Tiny	Medium Deluxe Plus	Medium	Standard Deluxe	Standard Deluxe Plus	Standard	Heavy	Super Heavy
inch	mm										
1.00"	25	33.35	End Wall Thickness Avg. (mm)	2.90	3.50	3.80	-	-	5	5.35	5.90
			Allowable Hydrostatics Pressure (kgf/cm²)	12	15	18	-	-	20	22	25
			Ultimate Breaking Load (Kgs.)	1200	1500	1900	-	-	2000	2200	2500
			Recommendable Depth (Feet)	120	200	350	-	-	500	700	800
1.25"	32	42.15	End Wall Thickness Avg. (mm)	3.65	3.90	4.20	-	4.50	5.10	5.60	6.10
			Allowable Hydrostatics Pressure (kgf/cm²)	15	20	20	-	21	22	25	30
			Ultimate Breaking Load (Kgs.)	1700	1900	2000	-	2300	2800	3300	3500
			Recommendable Depth (Feet)	120	300	350	-	400	500	700	800
1.50"	40	48.15	End Wall Thickness Avg. (mm)	4.13	4.20	4.40	-	-	5.35	6.15	8.50
			Allowable Hydrostatics Pressure (kgf/cm²)	15	18	20	-	-	30	35	40
			Ultimate Breaking Load (Kgs.)	2200	2400	2700	-	-	3200	4400	4500
			Recommendable Depth (Feet)	150	200	350	-	-	500	700	800
2.00"	50	60.10	End Wall Thickness Avg. (mm)	4.20	4.50	4.95	5.30	6	6.55	7.65	9.20
			Allowable Hydrostatics Pressure (kgf/cm²)	15	18	20	25	28	30	35	45
			Ultimate Breaking Load (Kgs.)	2800	2950	3100	3400	3700	4000	4800	6000
			Recommendable Depth (Feet)	150	200	350	400	450	550	1100	1500
2.25"	60	65.45	End Wall Thickness Avg. (mm)	-	-	-	-	-	-	8.10	9.10
			Allowable Hydrostatics Pressure (kgf/cm²)	-	-	-	-	-	-	40	45
			Ultimate Breaking Load (Kgs.)	-	-	-	-	-	-	5000	6500
			Recommendable Depth (Feet)	-	-	-	-	-	-	1200	1500
2.50"	65	75.30	End Wall Thickness Avg. (mm)	4.70	-	6	6.65	6.85	7.45	8.70	10.40
			Allowable Hydrostatics Pressure (kgf/cm²)	25	-	30	32	33	35	40	45
			Ultimate Breaking Load (Kgs.)	3500	-	5000	5800	6500	7000	9000	12000
			Recommendable Depth (Feet)	150	-	350	400	450	550	1200	1500
3.00"	80	88.80	End Wall Thickness Avg. (mm)	6.05	-	6.35	6.60	6.70	7.80	10.15	12
			Allowable Hydrostatics Pressure (kgf/cm²)	25	-	30	32	33	35	40	45
			Ultimate Breaking Load (Kgs.)	5000	-	5500	6800	7000	7200	10000	15000
			Recommendable Depth (Feet)	150	-	350	400	450	550	1200	1500
4.00"	100	114.25	End Wall Thickness Avg. (mm)	5.75	-	6.68	-	7.70	8.40	12.15	15
			Allowable Hydrostatics Pressure (kgf/cm²)	25	-	30	-	33	35	40	45
			Ultimate Breaking Load (Kgs.)	7400	-	7800	-	9000	12000	18000	22000
			Recommendable Depth (Feet)	150	-	350	-	450	550	1200	1500
5.00"	125	140.05	End Wall Thickness Avg. (mm)	-	-	-	-	-	10.9	15.25	18.50
			Allowable Hydrostatics Pressure (kgf/cm²)	-	-	-	-	-	40	45	50
			Ultimate Breaking Load (Kgs.)	-	-	-	-	-	15000	20000	25000
			Recommendable Depth (Feet)	-	-	-	-	-	600	1200	1500
6.00"	150	165	End Wall Thickness Avg. (mm)	-	-	-	-	-	12.8	16	-
			Allowable Hydrostatics Pressure (kgf/cm²)	-	-	-	-	-	40	45	-
			Ultimate Breaking Load (Kgs.)	-	-	-	-	-	18000	22000	-
			Recommendable Depth (Feet)	-	-	-	-	-	650	1250	-

*Technical Specification are Subject to Change Without Prior Notice.

uPVC

Pressure Pipes & Fittings





uPVC Pressure Pipes



Properties :

- Suitable for potable water supply
- Light weight makes easy handling, transportation & installation
- Seamless, strong & resilient
- Odorless and hygienic for potable water
- Resistant to rusting and weathering
- Energy efficient due to low pressure losses
- High flow characteristics

Applications :

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

Product name : Unplasticized Polyvinyl Chloride pipe for potable water supplies (uPVC Pipes)
 Range : 20 mm to 315 mm Outer Diameter
 Pressure Rating : PN-2.5 to PN-10.0
 Standard : IS 4985:2000
 Colour : Light Grey
 Length : Available in 4.5 & 6 meter
 Types : (1) Plain ended (2) Socketed pipe for elastomeric sealing ring (3) Socketed pipe for solvent cement jointing

Technical Parameters

(All Dimensions in mm) As Per IS:4985:2000

Nominal Diameter		Mean Outside Diameter		Outside Diameter at any Point		Wall Thickness									
						Class - 1 PN-2.5		Class - 2 PN-4		Class - 3 PN-6		Class - 4 PN-8		Class - 5 PN-10	
inch	mm	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
½"	20	20	20.3	19.5	20.5	-	-	-	-	-	-	-	-	1.1	1.5
¾"	25	25	25.3	24.5	25.5	-	-	-	-	-	-	1.2	1.6	1.4	1.8
1"	32	32	32.3	31.5	32.5	-	-	-	-	-	-	1.5	1.9	1.8	2.2
1 ¼"	40	40	40.3	39.5	40.5	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7
1 ½"	50	50	50.3	49.4	50.6	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3
2"	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 ½"	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"	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"	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 ½"	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"	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"	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"	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"	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"	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"	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"	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"	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



Technical Parameters

As Per IS 7834:1987

Products Name	mm	inch	Packing Qty. Per Box
 Elbow 90°	63	2"	48
	75	2½"	32
	90	3"	24
	110	4"	20
 MTA	63	2"	96
	75	2½"	96
	90	3"	64
	110	4"	24
 Reducer	75 x 63	2½" x 2"	96
	90 x 75	3" x 2½"	72
	110 x 90	4" x 3"	60
	110 x 75	4" x 2½"	60
 Tail Piece	63	2.00"	150
	75	2.50"	90
	90	3.00"	60
	110	4.00"	35
 Bend	63	2"	-
	75	2½"	-
	90	3"	-
	110	4"	-
	140	5"	-
	160	6"	-
	180	7"	-
	200	8"	-
	225	9"	-
	250	10"	-
	280	11"	-
	315	12"	-

Products Name	mm	inch	Packing Qty. Per Box
 Tee	63	2"	32
	75	2½"	32
	90	3"	24
	110	4"	20
 FTA	63	2"	32
	75	2½"	32
	90	3"	36
	110	4"	36
 Reducing Bush	90 x 63	3" x 2"	80
	90 x 75	3" x 2½"	80
	110 x 75	4" x 2½"	72
	110 x 90	4" x 3"	72
 End Cap (Threaded)	63	2"	200
	75	2½"	150
	90	3"	100
	110	4"	50
 Coupler	63	2"	-
	75	2½"	-
	90	3"	-
	110	4"	-
	140	5"	-
	160	6"	-
	180	7"	-
	200	8"	-
	225	9"	-
	250	10"	-
	280	11"	-
	315	12"	-

Product name : uPVC Pressure Fittings
 Range : 2" to 4"
 Standard : As Per IS 7834 : 1987
 Colour : Grey



SOLVENT Cement



uPVC / PVC / CPVC Solvent Cement

Piping System	Bodied Type	Suitable up to Size	Size	Standard Box	Master Carton
uPVC / PVC	Medium Bodied Solvent Cement	SCH-40 up to 6" Dia SCH-80 up to 4" Dia	10 ml Tube	50	800
			25 ml Tube	50	600
			59 ml Tin Can	24	288
			118 ml Tin Can	24	144
			237 ml Tin Can	12	96
			473 ml Tin Can	12	48
			946 ml Tin Can	6	24
PVC Pressure Pipe	Regular Bodied Solvent Cement	Up to 8" Dia	100 ml Tin Can	48	192
			250 ml Tin Can	40	80
			500 ml Tin Can	20	40
			1000 ml Tin Can	12	24
			5000 ml Plastic Can	4	4
CPVC Yellow (With NSF Approved)	Medium Bodied Solvent Cement	Up to 4" Pipes & Fittings	10 ml Tube	50	800
			25 ml Tube	50	600
			59 ml Tin Can	24	288
			118 ml Tin Can	24	144
			237 ml Tin Can	12	96
			473 ml Tin Can	12	48
			946 ml Tin Can	6	24

uPVC / PVC Solvent Cement Heavy Duty Clear

- Medium Bodied Fast Setting
- For Sch. 40 through 6" dia., Sch. 80 through 4" dia. interference fit
- For residential & commercial plumbing
- Meets ASTM-D 2564 standard

uPVC / PVC Solvent Cement Heavy Duty Clear

- Regular Bodied Slow Setting
- Specially formulated for rigid PVC piping system
- highly suitable for irrigation piping system

CPVC Solvent Cement Clear

- Medium Bodied Fast Setting
- For Sch. 40 & Sch. 80 through 4" dia. interference fit
- For residential & commercial plumbing



uPVC Plumbing Pipes & Fittings





uPVC Plumbing Pipes



Properties :

- Suitable for potable water supply
- Properties remains unchanged till temperature 60°C continuous and 90°C for short time
- Light weight makes easy handling, transportation & installation
- Seamless, strong, flexible & resilient
- Odorless and hygienic for potable water
- High flow characteristics
- Good insulator
- Simple and leak proof joints

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 Pipe

• Type – 1 (As per ASTM-D-1785)

Range : ½" to 3" schedule 40 & 80
Standard : ASTM-D-1785
Colour : white
Length : Available in 3 & 6 meter
Types : Plain ended & thread ended

• Type – 2 (As per ISI)

Range : 20 mm to 50 mm Outer Diameter
Standard : IS 4985:2000
Colour : Light Grey
Length : Available in 4,5 & 6 meter
Types : Plain ended

Technical Parameters

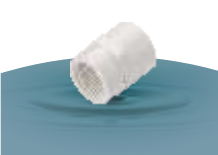
As Per ASTM D-1785

Nominal Diameter		Outside Diameter (mm)		Wall thickness (mm)				Packing Qty. Nos.
inch	mm			Schedule 40		Schedule 80		
½"	15	21.34	± 0.10	2.77	+ 0.51	3.73	+ 0.51	50
¾"	20	26.67	± 0.10	2.87	+ 0.51	3.91	+ 0.51	25
1"	25	33.40	± 0.13	3.38	+ 0.51	4.55	+ 0.53	25
1 ¼"	32	42.16	± 0.13	3.56	+ 0.51	4.85	+ 0.58	15
1 ½"	40	48.26	± 0.15	3.68	+ 0.51	5.08	+ 0.61	10
2"	50	60.32	± 0.15	3.91	+ 0.51	5.54	+ 0.66	05
2½"	63	75.20	± 0.15	5.16	+ 0.61	7.07	+ 0.48	05
3"	80	88.90	± 0.20	5.49	+ 0.66	7.62	+ 0.91	05



Technical Parameters

As Per ASTM D-2467 SCH-80

Product Name	inch	mm	Inner Packing	Total Qty.
 Coupler	1/2"	15	60 X 10	600
	3/4"	20	40 X 9	360
	1"	25	28 X 7	196
	1 1/4"	32	20 X 6	120
	1 1/2"	40	15 X 6	90
	2"	50	12 X 4	48
 Elbow 90°	1/2"	15	50 X 6	300
	3/4"	20	30 X 6	180
	1"	25	20 X 5	100
	1 1/4"	32	12 X 5	60
	1 1/2"	40	8 X 5	40
	2"	50	6 X 4	24
 Tee	1/2"	15	50 X 4	200
	3/4"	20	24 X 6	144
	1"	25	18 X 4	72
	1 1/4"	32	12 X 4	48
	1 1/2"	40	8 X 3	24
	2"	50	4 X 5	20
 Reducing Tee	3/4" X 1/2"	20 X 15	24 X 6	144
	1" X 1/2"	25 X 15	18 X 5	90
	1" X 3/4"	25 X 20	18 X 4	72
	1 1/2" X 1/2"	40 X 15	8 X 4	32
	1 1/2" X 1"	40 X 25	8 X 5	40
	2" X 1"	50 X 25	4 X 5	20
 FTA	2" X 1 1/2"	50 X 40	4 X 5	20
	1/2"	15	100 X 5	500
	3/4"	20	48 X 8	384
	1"	25	42 X 5	210
	1 1/4"	32	20 X 7	140
	1 1/2"	40	20 X 5	100
 Reducing Bush	2"	50	12 X 5	60
	3/4" X 1/2"	20 X 15	100 X 4	400
	1" X 1/2"	25 X 15	100 X 4	400
	1" X 3/4"	25 X 20	100 X 2	200
	1 1/4" X 1/2"	32 X 15	36 X 8	288
	1 1/4" X 3/4"	32 X 20	36 X 8	288
	1 1/4" X 1"	32 X 25	36 X 8	288
	1 1/2" X 1/2"	40 X 15	25 X 7	175
	1 1/2" X 3/4"	40 X 20	25 X 7	175
	1 1/2" X 1 1/4"	40 X 32	25 X 7	175
	2" X 1"	50 X 25	24 X 4	96
	2" X 1 1/4"	50 X 32	24 X 4	96
	2" X 1 1/2"	50 X 40	24 X 4	96

Product Name	inch	mm	Inner Packing	Total Qty.
 End Cap Plain	1/2"	15	100 X 3	300
	3/4"	20	70 X 6	420
	1"	25	50 X 5	250
	1 1/4"	32	36 X 5	180
	1 1/2"	40	25 X 5	125
	2"	50	16 X 5	80
 Reducer	3/4" X 1/2"	20 X 15	40 X 9	360
	1" X 1/2"	25 X 15	56 X 6	336
	1" X 3/4"	25 X 20	42 X 5	210
	1 1/4" X 1"	32 X 25	20 X 6	120
	1 1/2" X 1"	40 X 25	24 X 6	144
	1 1/2" X 1 1/4"	40 X 32	20 X 5	100
	2" X 1"	50 X 25	20 X 4	80
	2" X 1 1/4"	50 X 32	20 X 4	80
 Tank Adaptor	2" X 1 1/2"	50 X 40	20 X 4	80
	1/2"	15	100 X 4	400
 MTA	1/2"	15	100 X 5	500
	3/4"	20	72 X 9	648
	1"	25	48 X 7	336
	1 1/4"	32	35 X 6	210
	1 1/2"	40	30 X 4	120
	2"	50	15 X 5	75
 PVC Ball Valve	1/2"	15	30 X 4	120
	3/4"	20	20 X 4	80
	1"	25	12 X 4	48
	1 1/4"	32	8 X 4	32
	1 1/2"	40	6 X 4	24
	2"	50	4 X 4	16
 Reducing Elbow	3/4" X 1/2"	20 X 15	30 X 6	180
	1" X 1/2"	25 X 15	20 X 5	100
	1" X 3/4"	25 X 20	20 X 5	100
 Bend	1/2"	15	-	100
	3/4"	20	-	50
	1"	25	-	50
	1 1/4"	32	-	-
	1 1/2"	40	-	-
	2"	50	-	-



Technical Parameters

As Per ASTM D-2467 SCH-80

Product Name	inch	mm	Inner Packing	Total Qty.
 Union	1/2"	15	35 X 6	210
	3/4"	20	24 X 6	144
	1"	25	16 X 5	80
	1 1/4"	32	12 X 5	60
	1 1/2"	40	9 X 4	36
	2"	50	6 X 4	24
 Tank Adaptor	1/2"	15	50 X 4	200
	3/4"	20	30 X 5	150
	1"	25	16 X 5	80
	1 1/4"	32	16 X 4	64
	1 1/2"	40	12 X 4	48
	2"	50	10 X 3	30
 Brass Elbow	1/2"	15	50 X 2	100
	3/4"	20	30 X 3	90
	1"	25	24 X 4	96
 Brass Elbow (Reducing)	3/4" X 1/2"	20 X 15	30 X 3	90
	1" X 1/2"	25 X 15	24 X 5	120
	1" X 3/4"	25 X 20	24 X 5	120
 Brass Tee	1/2"	15	25 X 4	100
	3/4"	20	24 X 2	48
	1"	25	18 X 4	72
 Brass Tee (Reducing)	3/4" X 1/2"	20 X 15	24 X 2	48
	1" X 1/2"	25 X 15	18 X 4	72
	1" X 3/4"	25 X 20	18 X 4	72

Product Name	inch	mm	Inner Packing	Total Qty.
 Step Over Bend	1/2"	15	-	60
	3/4"	20	-	-
	1"	25	-	65
	1 1/4"	32	-	-
 Brass MTA	1/2"	15	63 X 4	252
	3/4"	20	48 X 4	192
	1"	25	30 X 3	90
 Brass MTA (Reducing)	1" X 1/2"	25 X 15	42 X 3	126
	3/4" X 1/2"	20 X 15	48 X 4	192
 Brass FTA	1/2"	15	48 X 5	240
	3/4"	20	48 X 3	144
	1"	25	30 X 3	90
 Brass FTA (Reducing)	1" X 1/2"	25 X 15	35 X 3	105
	3/4" X 1/2"	20 X 15	48 X 4	192

CPVC

Plumbing Pipes & Fittings

Ideal For
HOT & **COLD**
Water Application





CPVC Plumbing Pipes



CAPTAIN CPVC Plumbing System

In view of our manufacturing excellence, experience and a vision for innovation, we at CAPTAIN decided to introduce our all-new range of CPVC Pipes & fittings especially meant for those who settle for nothing but the best. CAPTAIN CPVC Pipes & Fittings are not only light weight and convenient-to-use but also help reduce and added expenses during installation. Our CPVC Pipes & Fittings can sustain years of use to provide you with water that is safe for drinking and for other potable water application.

Salient Features & Benefits :

- Proven Hot Water performance upto 93°C
- Safe for drinking water and human health
- Exceptional all weather corrosion resistance
- No scaling or pitting maintain flow
- Low microbial growth
- does not support combustion
- UV resistance ensures pressure and temperature bearing capability unaffected even after long term exposure
- Low thermal expansion
- High Impact resistance
- Fast and Easy installation
- Consistent and reliable jointing
- Very low lifetime ownership cost

Applications :

- Hot and Cold water distribution in residential, Commercial and Industrial Spaces
- Hotels, Hospitals, Swimming Pools and RO & DM Water plants
- Carrying Potable Water and edible fluids
- Transportation of Chemicals and other hot, corrosive fluids
- Solar heating, Central heating and radiant floor heating application

Technical Parameters (SDR 11 Class-1)

As Per ASTM D-2846

Nominal Bore		Outside Diameter (mm)		Wall thickness (mm)		Pressure at 27° C		Pressure at 82° C		Packing Qty.
inch	mm	Average	Tolerance	mm	Tolerance	kg/cm ²	MPA	kg/cm ²	MPA	Nos.
1/2"	15	15.90	± 0.10	1.95	± 0.25	27.6	2.76	6.8	0.68	50
3/4"	20	22.20	± 0.10	2.25	± 0.25	27.6	2.76	6.8	0.68	50
1"	25	28.60	± 0.10	2.85	± 0.25	27.6	2.76	6.8	0.68	30
1 1/4"	32	34.90	± 0.10	3.45	± 0.25	27.6	2.76	6.8	0.68	20
1 1/2"	40	41.30	± 0.10	4.05	± 0.25	27.6	2.76	6.8	0.68	15
2"	50	54.30	± 0.10	5.20	± 0.30	27.6	2.76	6.8	0.68	10

Technical Parameters (SDR 13.5 Class-2)

As Per ASTM D-2846

Nominal Bore		Outside Diameter (mm)		Wall thickness (mm)		Pressure at 27° C		Pressure at 82° C		Packing Qty.
inch	mm	Average	Tolerance	mm	Tolerance	kg/cm ²	MPA	kg/cm ²	MPA	Nos.
1/2"	15	15.90	± 0.10	1.65	± 0.25	21.8	2.18	5.5	0.55	50
3/4"	20	22.20	± 0.10	1.95	± 0.25	21.8	2.18	5.5	0.55	50
1"	25	28.60	± 0.10	2.36	± 0.25	21.8	2.18	5.5	0.55	30
1 1/4"	32	34.90	± 0.10	2.85	± 0.25	21.8	2.18	5.5	0.55	20
1 1/2"	40	41.30	± 0.10	3.85	± 0.25	21.8	2.18	5.5	0.55	15
2"	50	54.30	± 0.10	4.25	± 0.25	21.8	2.18	5.5	0.55	10



Technical Parameters

As Per ASTM D-2846 SDR 11

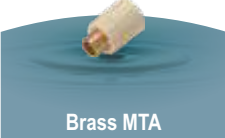
Product Name	inch	mm	Inner Packing	Total Qty.
 Coupler	1/2"	15	-	-
	3/4"	20	100 X 3	300
	1"	25	50 X 3	150
	1 1/4"	32	30 X 8	240
	1 1/2"	40	20 X 8	160
	2"	50	12 X 6	72
 Elbow 90°	1/2"	15	-	-
	3/4"	20	50 X 3	150
	1"	25	50 X 5	250
	1 1/4"	32	20 X 7	140
	1 1/2"	40	15 X 5	75
	2"	50	6 X 6	36
 MTA	1/2"	15	-	-
	3/4"	20	100 X 3	300
	1"	25	50 X 3	150
	1 1/4"	32	25 X 3	75
	1 1/2"	40	20 X 3	60
	2"	50	-	-
 End Cap Plain	3/4" X 1/2"	20 X 15	100 X 4	400
	1/2"	15	-	-
	3/4"	20	100 X 6	600
	1"	25	100 X 3	300
	1 1/4"	32	-	-
	1 1/2"	40	50 X 3	150
 Reducing Tee	2"	50	-	-
	3/4" X 1/2"	20 X 15	-	-
	1" X 1/2"	25 X 15	-	-
	1" X 3/4"	25 X 20	30 X 7	210
	1 1/4" X 1/2"	32 X 15	-	-
	1 1/4" X 3/4"	32 X 20	-	-
	1 1/4" X 1"	32 X 25	-	-
	1 1/2" X 1/2"	40 X 15	-	-
	1 1/2" X 3/4"	40 X 20	-	-
	1 1/2" X 1"	40 X 25	-	-
	1 1/2" X 1 1/4"	40 X 32	-	-
	2" X 1/2"	50 X 15	-	-
	2" X 3/4"	50 X 20	-	-
	2" X 1"	50 X 25	-	-
	2" X 1 1/4"	50 X 32	-	-
	2" X 1 1/2"	50 X 40	-	-

Product Name	inch	mm	Inner Packing	Total Qty.
 Elbow 45°	1/2"	15	-	-
	3/4"	20	50 X 3	150
	1"	25	40 X 3	120
	1 1/4"	32	20 X 3	60
	1 1/2"	40	-	-
	2"	50	-	-
 Tee	1/2"	15	-	-
	3/4"	20	50 X 7	350
	1"	25	30 X 5	150
	1 1/4"	32	15 X 6	90
	1 1/2"	40	10 X 6	60
	2"	50	5 X 4	20
 FTA	1/2"	15	-	-
	3/4"	20	75 X 3	225
	1"	25	45 X 3	135
	1 1/4"	32	20 X 3	60
	1 1/2"	40	-	-
	2"	50	-	-
 Union	3/4" X 1/2"	20 X 15	100 X 3	300
	1/2"	15	-	-
	3/4"	20	40 X 3	120
	1"	25	30 X 6	180
	1 1/4"	32	16 X 7	112
	1 1/2"	40	10 X 7	70
 Reducer Coupler	2"	50	6 X 5	30
	3/4" X 1/2"	20 X 15	100 X 4	400
	1" X 1/2"	25 X 15	-	-
	1" X 3/4"	25 X 20	50 X 4	200
	1 1/4" X 1/2"	32 X 15	-	-
	1 1/4" X 3/4"	32 X 20	48 X 3	144
	1 1/4" X 1"	32 X 25	48 X 3	144
	1 1/2" X 1/2"	40 X 15	-	-
	1 1/2" X 3/4"	40 X 20	35 X 3	105
	1 1/2" X 1"	40 X 25	35 X 3	105
	1 1/2" X 1 1/4"	40 X 32	30 X 3	90
	2" X 1/2"	50 X 15	-	-
	2" X 3/4"	50 X 20	-	-
	2" X 1"	50 X 25	-	-
	2" X 1 1/4"	50 X 32	-	-
	2" X 1 1/2"	50 X 40	-	-



Technical Parameters

As Per ASTM D-2846 SDR 11

Product Name	inch	mm	Inner Packing	Total Qty.
	3/4" X 1/2"	20 X 15	-	-
	1" X 1/2"	25 X 15	-	-
	1" X 3/4"	25 X 20	100 X 3	300
	1 1/4" X 1/2"	32 X 15	-	-
	1 1/4" X 3/4"	32 X 20	-	-
	1 1/4" X 1"	32 X 25	-	-
	1 1/2" X 1/2"	40 X 15	-	-
	1 1/2" X 3/4"	40 X 20	-	-
	1 1/2" X 1"	40 X 25	-	-
	1 1/2" X 1 1/4"	40 X 32	-	-
	2" X 1/2"	50 X 15	-	-
	2" X 3/4"	50 X 20	-	-
	2" X 1"	50 X 25	-	-
	3/4" X 1/2"	20 X 15	-	-
	1" X 1/2"	25 X 15	50 X 7	350
	1" X 3/4"	25 X 20	50 X 5	250
	1/2"	15	-	-
	3/4"	20	-	-
	1"	25	-	-
	1 1/4"	32	-	-
	1 1/2"	40	-	-
	2"	50	-	-
	1/2"	15	-	-
	3/4"	20	-	-
	1"	25	15 X 4	60
	3/4" X 1/2"	20 X 15	50 X 3	150
	1" X 1/2"	25 X 15	20 X 4	80
	1" X 3/4"	25 X 20	20 X 4	80
	1/2"	15	-	-
	3/4"	20	40 X 4	160
	1"	25	20 X 4	80
	1 1/4"	32	-	-
	1 1/2"	40	-	-
	2"	50	-	-
	3/4" X 1/2"	20 X 15	75 X 3	225
	1" X 1/2"	25 X 15	50 X 3	150
	1" X 3/4"	25 X 20	40 X 4	160

Product Name	inch	mm	Inner Packing	Total Qty.
	1/2"	15	-	-
	3/4"	20	20 X 4	80
	1"	25	15 X 3	45
	1 1/4"	32	-	-
	1 1/2"	40	6 X 5	30
	2"	50	5 X 4	20
	1/2"	15	-	-
	3/4"	20	-	-
	1"	25	-	-
	1 1/4"	32	-	-
	1 1/2"	40	-	-
	2"	50	-	-
	1/2"	15	-	-
	3/4"	20	-	-
	1"	25	-	-
	1/2"	15	-	-
	3/4"	20	-	-
	1"	25	-	-
	1 1/4"	32	-	-
	1/2"	15	-	-
	3/4"	20	20 X 4	80
	1"	25	15 X 3	45
	3/4" X 1/2"	20 X 15	20 X 5	100
	1" X 1/2"	25 X 15	20 X 3	60
	1" X 3/4"	25 X 20	20 X 3	60
	1/2"	15	-	-
	3/4"	20	40 X 4	160
	1"	25	20 X 4	80
	1 1/4"	32	-	-
	1 1/2"	40	-	-
	2"	50	-	-
	3/4" X 1/2"	20 X 15	75 X 3	225
	1" X 1/2"	25 X 15	50 X 3	150
	1" X 3/4"	25 X 20	40 X 4	160

SWR

Pipes & Fittings





SWR
Pipes



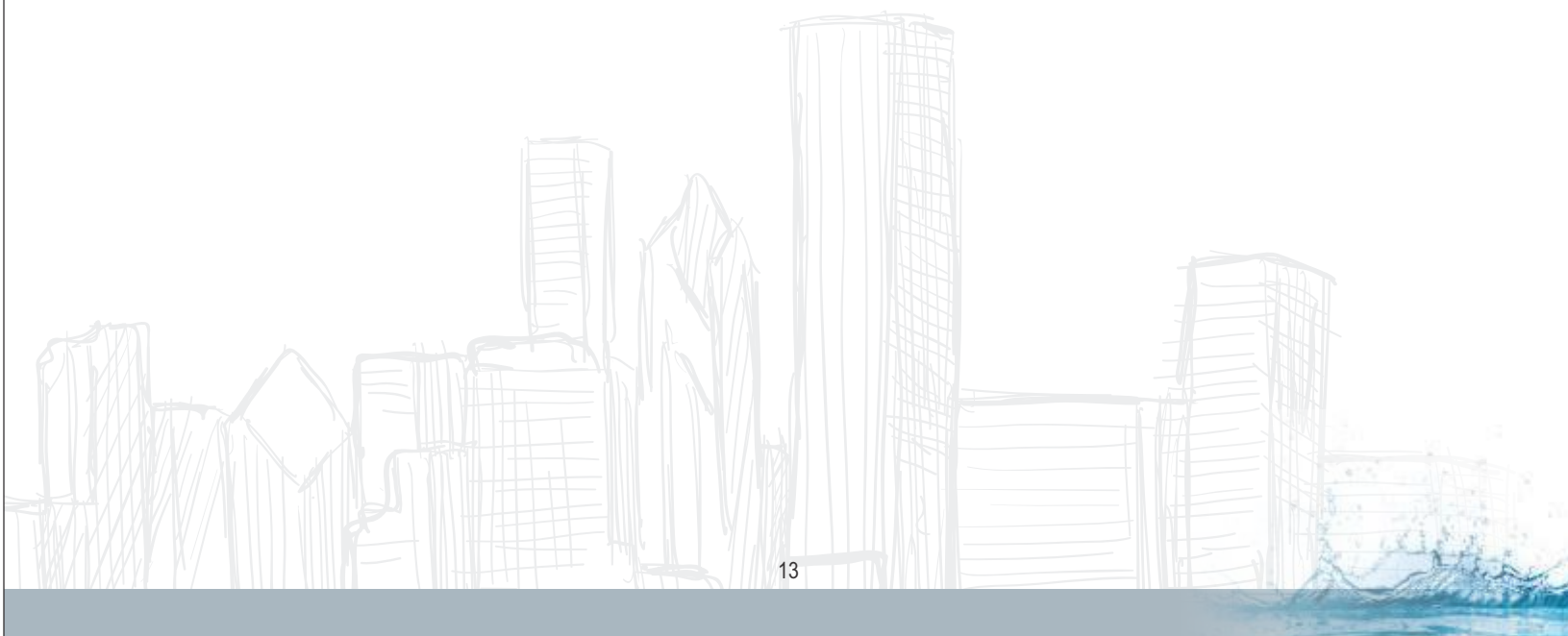
CAPTAIN PIPES is one of the leading names in offering wide ranges of SWR Drainage and Sewerage Pipes & fittings. These piping systems are widely used in both the residential and commercial areas and are efficiently used for eliminating removal of waste without any blockage and damage. Being highly resistant to all kinds of harmful chemicals and corrosion, the pipes offer long lasting and durable services. It is available in both push as well as ring system.

Salient Features & Benefits :

- Superior Quality standards and wide range
- Extra Stronger and longer lasting
- Free from Chemical and corrosion resistance
- Greater resistance to Ultra Violet (UV) degradation
- Light in weight, thus reducing transportation, handling and installation costs
- Quick and productive removal of waste without leakages
- Trouble free functioning saves on inspection and maintenance costs
- Cost Effective

Applications :

- It is suitable for soil, waste and rain water.
- It is used to maintain the flow of waste and rain water in the individual houses, high-rise building, complexes etc.
- It is also suitable to drain out the industrial wastage in chemical plants, sugar plants, milk and food processing plants
- It work as best alternative to the asbestos cement and cast iron systems as they are light in weight and easy to install





Dimension of Pipes

Nominal Outside Diameter DN		Mean Outside Diameter (mm)		Outside Diameter at Any Point (mm)		Wall Thickness (mm)			
						Type - A		Type - B	
inch	mm	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
1¼"	40	40	40.3	39.5	40.5	1.8	2.2	3.2	3.8
1½"	50	50	50.3	49.4	50.6	1.8	2.2	3.2	3.8
2"	63	63	63.3	62.2	63.8	1.8	2.2	3.2	3.8
2½"	75	75	75.3	74.1	75.9	1.8	2.2	3.2	3.8
3"	90	90	90.3	88.9	91.2	1.9	2.3	3.2	3.8
4"	110	110	110.4	108.6	111.4	2.2	2.7	3.2	3.8

Dimension of Grooved Socket

Nominal Outside Diameter DN		Inside Diameter of Socket, D ₁ (mm)		Inside Diameter of Beading, D ₂ (mm)		Length of Beading and Neck A	Neck of Socket B	Length Beyond Beading
						Min.	Max.	Min.
inch	mm	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1¼"	40	40.3	41.1	49.6	50.6	18	5	18
1½"	50	50.3	51.1	59.6	60.6	18	5	20
2"	63	63.3	64.1	72.9	73.9	18	5	23
2½"	75	75.3	76.4	84.5	85.5	20	5	25
3"	90	90.3	91.4	99.5	100.5	23	5	28
4"	110	110.4	111.6	120.3	121.3	26	6	32

Minimum Wall Thickness of Sockets on Pipes

Nominal Outside Diameter DN		S ₂ Min.		S ₃ Min.	
		Type - A	Type - B	Type - A	Type - B
inch	mm	Type - A	Type - B	Type - A	Type - B
1¼"	40	1.6	2.9	1.0	2.4
1½"	50	1.6	2.9	1.0	2.4
2"	63	1.6	2.9	1.0	2.4
2½"	75	1.6	2.9	1.0	2.4
3"	90	1.7	2.9	1.1	2.4
4"	110	2.0	2.9	1.2	2.4

Dimension of Sockets for Solvent Cementing

Nominal Outside Diameter DN		Socket Depth (C)	Mean Inside Diameter of Socket at Midpoint (D _i)	
			Min.	Max.
inch	mm	Min.	Min.	Max.
1¼"	40	26.0	40.1	40.3
1½"	50	30.0	50.1	50.3
2"	63	36.0	63.1	63.3
2½"	75	40.0	75.1	75.3
3"	90	46.0	90.1	90.3
4"	110	48.0	110.1	110.4

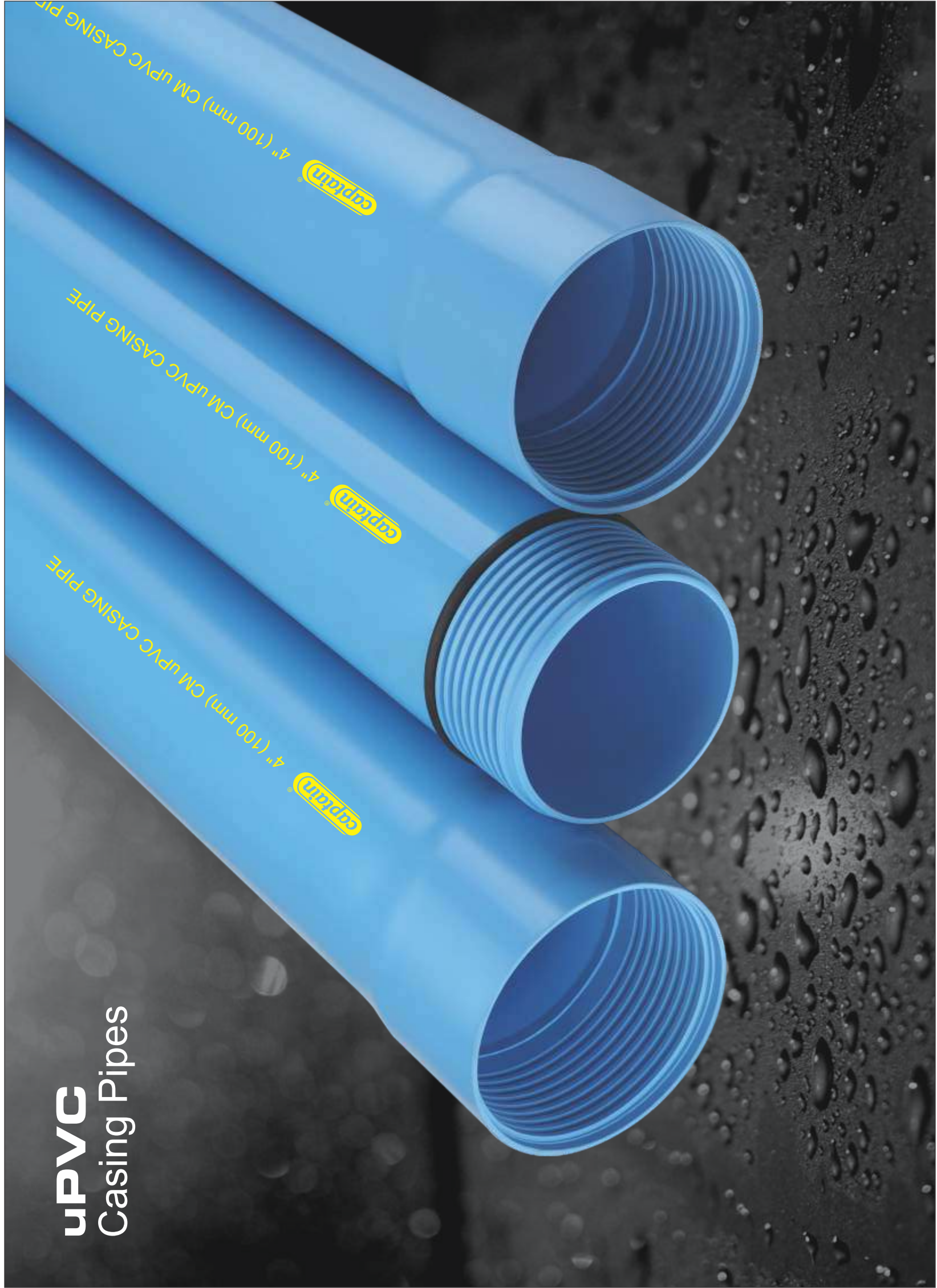


Technical Parameters

Product Name	Size (mm)	Qty. Per Box
 Bend 87.5°	75	48
	110	20
 Bend With Door 87.5°	75	40
	110	20
 Bend 45°	75	48
	110	36
 Tee 87.5°	75	36
	110	30
 Tee With Door 87.5°	75	36
	110	24
 Cross Tee	75	28
	110	20
 Reducing Tee	110 x 75	-
 Reducer	110 x 75	64
 Coupler	75	72
	110	36
 Vent Cowl	75	96
	110	96
 Cleansing Pipe 87.5°	75	48
	110	-

Product Name	Size (mm)	Qty. Per Box
 Single Y	75	32
	110	-
 Single Y With Door 45°	75	32
	110	-
 Double Y	75	20
	110	-
 Door Cap	75	-
	110	-
 Nahani Trap (Without Jali)	110 x 75	40
 Pipe Clip	75	192
	110	192
 Rubber Ring	75	-
	110	-
 P Trap	110 X 110	12
	125 X 110	-
 Q Trap	110 X 110	-
	125 X 110	-
 S Trap	110 X 110	12
	125 X 110	-

uPVC Casing Pipes





uPVC Casing Pipes



Properties :

- 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
- It can be installed Vertical 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 : 1½" to 16" Outer Diameter
 Standard : IS 12818:2010
 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 80m) red colour code.
- C. M. Pipe : For medium-depth (up to 250m) 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 transverse 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

As Per IS : 12818 : 2010

Nominal Diameter		Mean Outer Diameter (mm)		Grade				Length of Threads (mm)
				Wall Thickness (mm)				
				CM		CS		
inch	mm	Min.	Max.	Min.	Max.	Min.	Max.	
1½"	40	48.00	48.20	3.5	4.0	-	-	25
2"	50	60.00	60.20	4.0	4.6	-	-	30
3"	80	88.00	88.30	4.0	4.6	-	-	40
4"	100	113.00	113.30	5.0	5.7	-	-	48
4½"	115	125.00	125.30	5.0	5.7	-	-	48
5"	125	140.00	140.40	6.3	7.1	-	-	63
6"	150	165.00	165.40	7.5	8.5	5.7	6.5	63
7"	175	200.00	200.50	8.8	9.8	7.0	7.8	63
8"	200	225.00	225.50	10.0	11.2	7.6	8.8	74
10"	250	280.00	280.50	12.5	14.0	9.6	11.0	90
12"	300	330.00	330.60	14.5	16.2	11.2	13.30	90
14"	350	400.00	400.70	17.5	19.5	14.0	15.50	90
16"	400	450.00	450.80	19.5	21.7	16.0	17.50	102

Quality Policy :

We are committed to maintain the production of various products as per standards in industries to ensure the service to our valuable customers by way of manufacturing and supplying the quality product and continuous improvement for their total satisfaction and value of their money.



Registered of Member :



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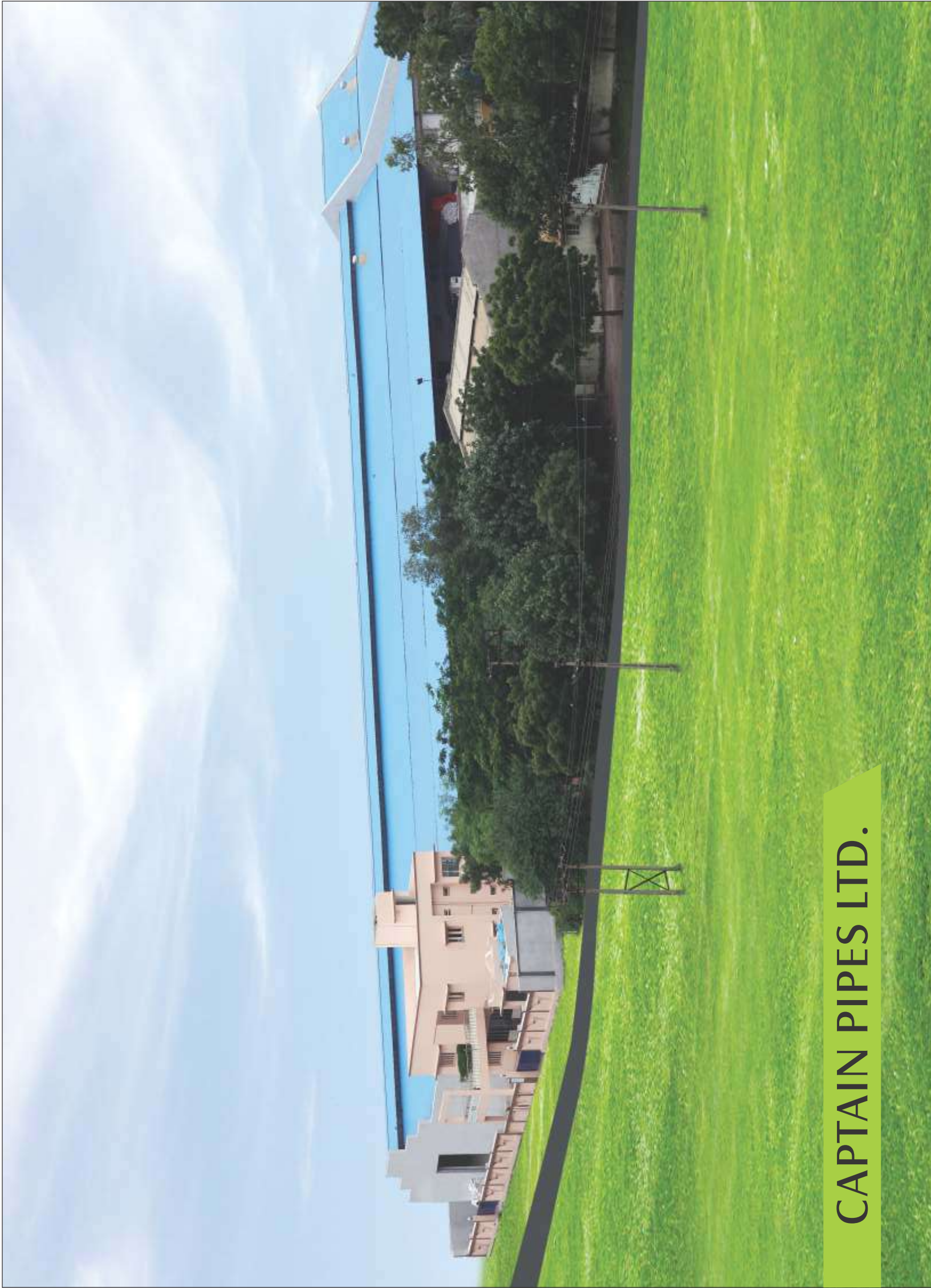


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Survey No. 257, Plot No. 23 to 28, N.H. 27,
SHAPAR (Veraval), Dist. Rajkot. (Guj.) INDIA

 +91 2827-252410  +91 9909029066

 info@captainpipes.com  www.captainpipes.com