



uPVC | cPVC | Column

Pipes & Fittings

01-04-2024



ETHAN PIPE INDUSTRIES

Your Quality Pipe Professionals. Since 2022 Quality Meets Affordability.

Welcome to ETHAN Pipe Industries, a leading manufacturer of uPVC and cPVC pipes and fittings.

We have remained committed to providing our customers with exceptional piping solutions that are of the highest quality, innovative, and cost-effective. We are proud to have developed a reputation as a trusted name in the industry, which is a result of our relentless focus on quality, innovation, and customer satisfaction.

Pipe Industries, we are dedicated to delivering products that are designed to meet the most challenging applications. We employ the latest technology and employ state-of-the-art manufacturing processes to ensure that our products meet the industry's stringent quality standards. Our commitment to excellence, as we strive to continuously improve our operations and adhere to best pr

Innovation is central to our business philosophy at ETHAN Pipe Industries. We continuously explore new and inventive ways to enhance our products and services and develop new piping solutions that align with the industry's changing needs. Our R&D team is always working to improve our products and processes and to maintain a competitive edge in the mark

Customer satisfaction is our top priority at ETHAN Pipe Industries. We believe that our customers are the foundation of our business, and we are committed to delivering exceptional products and services that exceed their expectations. We work closely with our customers to understand their specific needs and requirements and develop customised solutions that help them overcome their unique challenges.

Our unwavering commitment to quality, innovation, and customer satisfaction has helped us to build a reputation as a trusted name in the industry. We take pride in our products, our people, and our dedication to excellence.



**We served Industries
since 2022**



VISION

Our vision is to become a global leader in uPVC pipe and fitting manufacturing. We aim to achieve this by providing top-quality products and exceptional customer service that exceed our customers' expectations. We are constantly striving to improve our products processes and meet the evolving needs of the industry.



MISSION

Our mission is to consistently deliver quality and meet diverse customer needs. Our customers are at the heart of our business and we are dedicated to providing them with value for their investment. We achieve this through technology, a highly skilled team of professionals, and maintaining strict quality control standards.



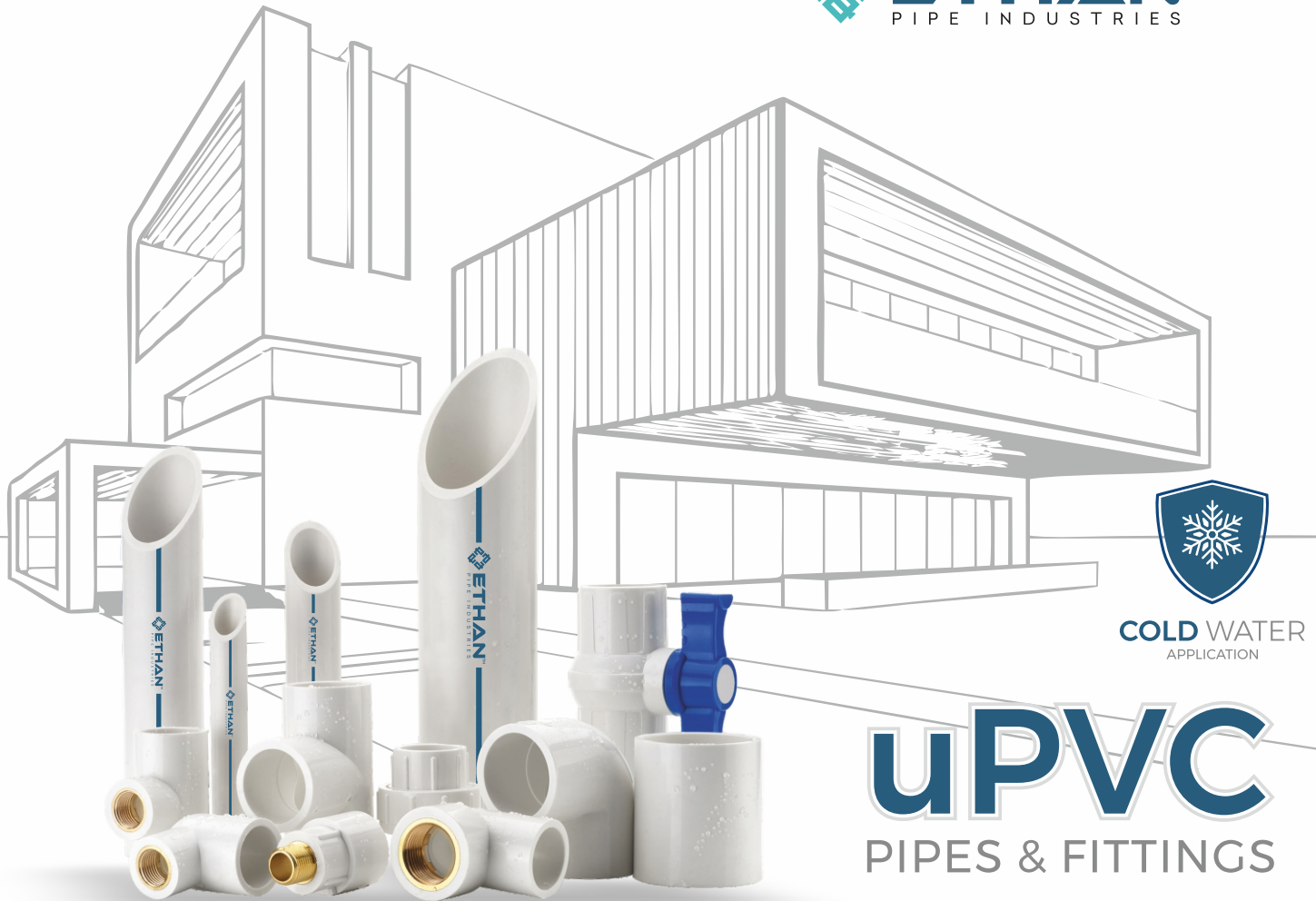
QUALITY

Committed to high-quality products, critical to customer success. Our state-of-the-art manufacturing facilities are equipped with the latest technology. We also have a highly skilled team of professionals who oversee the production process and conduct quality control tests to ensure that our products meet the industry's stringent quality standards.



VALUE

We provide cost-effective solutions that deliver superior performance. At ETHAN Pipe Industries, we work closely with our customers to develop custom solutions that meet their unique requirements. Our goal is to deliver the best value for their investments by providing high-quality, innovative, and cost-effective piping solutions.



uPVC

PIPES & FITTINGS

ETHAN High pressure uPVC solvent weld plumbing systems are the most suitable, easy and economical solution for transportation and distribution of potable water. This system is very easy to install and is functionally most suitable for plumbing applications like down-take and up-take lines, terrace looping and concealed pipe work in any building or construction. **ETHAN** uPVC is a value added long-term plumbing solution for the building industry.

Features and Benefits:

- Excellent resistance to corrosion and chemical attacks
- Maintenance - free & easy to install
- Simple and leak proof joint
- Designed to last for ages
- Most cost effective
- UV resistant
- Lead free

NOMINAL DIAMETER		OUTSIDE DIAMETER	SCH 40		SCH 80	
			Wall Thick	Working Pressure at 23° C	Wall Thick	Working Pressure at 23° C
(inch)	(mm)	(mm)	(mm)	(Kg/Cm ²)	(mm)	(Kg/Cm ²)
½"	15	21.24 - 21.44	2.77 - 3.28	41.4	3.73 - 4.24	58.6
¾"	20	26.57 - 26.77	2.87 - 3.38	33.1	3.91 - 4.42	47.6
1"	25	33.27 - 33.53	3.38 - 3.89	31.1	4.55 - 5.08	43.4
1¼"	32	42.03 - 42.29	3.56 - 4.07	25.5	4.85 - 5.43	35.9
1½"	40	48.11 - 48.41	3.68 - 4.19	22.8	5.08 - 5.69	32.4
2"	50	60.17 - 60.47	3.91 - 4.42	19.3	5.54 - 6.20	27.6

uPVC Pipe As Per ASTM D-1785





uPVC Pipe SCH - 40				
Size (Inch.)	Size (MM)	Pack (3 Mtr.)	Pack (6 Mtr.)	Rate (Per Mtr.)
1/2"	15	50	25	75.00
3/4"	20	40	25	96.00
1"	25	25	15	141.00
1 1/4"	32	15	10	185.50
1 1/2"	40	15	10	222.00
2"	50	10	8	304.00



uPVC Pipe SCH - 80				
Size (Inch.)	Size (MM)	Pack (3 Mtr.)	Pack (6 Mtr.)	Rate (Per Mtr.)
1/2"	15	50	25	90.00
3/4"	20	40	25	131.50
1"	25	25	15	181.00
1 1/4"	32	15	10	268.00
1 1/2"	40	15	10	302.50
2"	50	10	8	405.50

uPVC Fitting SCH 80 As Per ASTM D-2467

Size	Packaging	Rate	Size	Packaging	Rate
Coupler			Elbow 90°		
1/2"	100X8=800	5.95	1/2"	100X6=600	6.85
3/4"	100X5=500	8.55	3/4"	50X7=350	10.95
1"	50X6=300	12.50	1"	40X5=200	17.25
1 1/4"	25X7=175	23.00	1 1/4"	25X5=125	34.80
1 1/2"	25X5=125	28.95	1 1/2"	15X6=90	44.95
2"	15X5=75	39.25	2"	10X5=50	61.50
Tee			End Cap		
1/2"	50X8=400	11.25	1/2"	100X16=1600	4.25
3/4"	25X10=250	14.95	3/4"	100X7=700	6.20
1"	25X6=150	24.95	1"	50X10=500	9.40
1 1/4"	15X5=75	46.00	1 1/4"	40X8=320	18.50
1 1/2"	12X4=48	60.95	1 1/2"	30X8=240	27.75
2"	7X5=35	86.00	2"	20X7=140	32.00
FTA			MTA		
1/2"	100X9=900	5.10	1/2"	100X10=1000	4.80
3/4"	100X5=500	8.45	3/4"	50X12=600	6.90
1"	50X6=300	12.98	1"	50X8=400	10.55
1 1/4"	40X5=200	25.50	1 1/4"	40X6=240	21.00
1 1/2"	30X4=120	33.50	1 1/2"	30X5=150	28.00
2"	10X12=120	50.00	2"	15X10=150	45.00
Elbow 45°			Union		
1/2"	100X6=600	9.80	1/2"	50X8=400	20.90
3/4"	50X8=400	14.25	3/4"	30X8=240	20.90
1"	30X8=240	23.00	1"	25X6=150	40.00
1 1/4"	25X5=125	45.00	1 1/4"	20X5=100	68.00
1 1/2"	15X6=90	54.00	1 1/2"	10X7=70	82.00
Reducer Coupler			2"	8X6=48	134.50
3/4"x1/2"	50X10=500	7.98	Reducer Bush		
1"x1/2"	50X7=350	12.10	3/4"x1/2"	100X12=1200	3.50
1"x3/4"	50X7=350	13.45	1"x1/2"	100X7=700	7.30
1 1/4"x1/2"	25X10=250	20.50	1"x3/4"	100X7=700	6.90
1 1/4"x3/4"	25X10=250	22.00	1 1/4"x1/2"	50X8=400	22.00
1 1/4"x1"	25X8=200	24.50	1 1/4"x3/4"	50X8=400	21.00
1 1/2"x1/2"	25X7=175	26.70	1 1/4"x1"	50X8=400	18.50
1 1/2"x3/4"	25X7=175	28.95	1 1/2"x1/2"	50X6=300	29.50
1 1/2"x1"	25X6=150	30.00	1 1/2"x3/4"	50X6=300	27.80
1 1/2"x1 1/4"	20X6=120	31.00	1 1/2"x1"	50X6=300	25.95
2"x1/2"	20X6=120	34.50	1 1/2"x1 1/4"	50X6=300	26.50
2"x3/4"	20X6=120	35.50			
2"x1"	20X6=120	37.00			
2"x1 1/4"	15X7=105	38.00			
2"x1 1/2"	15X6=90	39.50			

	Size	Packaging	Rate		Size	Packaging	Rate
	Reducer Tee				Reducer MTA		
	3/4"x1/2"	40X7=280	15.45		1/2"	50X10=500	13.00
	1"x1/2"	25X7=175	23.95		Reducer MTA		
	1"x3/4"	40X4=160	25.00		3/4"	50X7=350	19.00
	1 1/4"x1/2"	20X5=100	46.00		Reducer FTA		
	1 1/4"x3/4"	15X6=90	48.00		3/4"x1/2"	20x15	21.00
	1 1/4"x1"	15X6=90	50.00		Tank Connector (Socket Type)		
	1 1/2"x1/2"	15X4=60	54.50		1/2"	50X10=500	17.25
	1 1/2"x3/4"	12X6=72	55.80		3/4"	50X6=300	22.00
	1 1/2"x1"	12X6=72	58.00		1"	25X8=200	33.65
	1 1/2"x1 1/4"	12X5=60	60.75		1 1/4"	20X6=120	57.00
	2"x1/2"	7X6=42	80.00		1 1/2"	20X5=100	78.00
	2"x3/4"	7X6=42	81.00		2"	12X5=60	105.00
	2"x1"	8X5=40	83.00		Tank Connector (Pipe Type)		
	2"x1 1/4"	7X5=35	84.50		1/2"	50X8=400	23.00
	2"x1 1/2"	7X5=35	85.75		3/4"	50X10=500	28.95
	Reducer Elbow				Tank Connector		
	3/4"x1/2"	50X8=400	14.50		1/2"	50X8=400	17.00
	1"x1/2"	50X5=250	18.20		3/4"	50X6=300	23.10
	1"x3/4"	50X5=250	22.40		1"	25X7=175	34.50
	Ball Valve				Tank Connector		
	1/2"	15	64.00		1 1/4"	20X6=120	55.00
	3/4"	12	89.00		1 1/2"	20X5=100	80.00
	1"	7	105.00		2"	12X5=60	110.00
	1 1/4"	4	163.00				
	1 1/2"	3	205.00				
	Ball Valve Threaded						
	1/2"	15	107.00				
	3/4"	20	143.00				
	1"	25	202.00				
	1 1/4"	32	298.00				
	1 1/2"	40	381.00				
	Ball Valve (Long Handel)						
	1/2"	15	67.00				
	3/4"	12	92.00				
	1"	5	108.00				
	1 1/4"	4	168.00				
	1 1/2"	3	212.00				
	Ball Valve Threaded (Long Handel)						
	1/2"	15	118.00				
	3/4"	20	154.00				
	1"	25	222.00				
	1 1/4"	32	324.00				
	1 1/2"	40	398.00				
	2"	50	590.00				

uPVC Brass Fitting



Size	Packaging	Rate
Brass Elbow 90°		
1/2"	50x5=250	36.30
3/4"	50x4=200	57.50
1"	25x4=100	85.00



Size	Packaging	Rate
Brass Tee		
1/2"	50x4=200	41.60
3/4"	25x5=125	61.10
1"	20X3=60	92.00



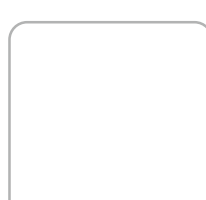
Size	Packaging	Rate
Brass FTA		
1/2"	50x7=350	34.00
3/4"	50x5=250	57.95
1"	25x6=150	78.00
1 1/4"	20X3=60	164.00
1 1/2"	15x4=60	215.00
2"	5x5=25	425.00



Size	Packaging	Rate
Brass MTA		
1/2"	50x5=250	49.90
3/4"	40X6=240	75.00
1"	30x4=120	114.25
1 1/4"	16x5=40	225.00
1 1/2"	12x5=60	310.00
2"	5x5=25	490.00



Size	Packaging	Rate
Brass FTA (Hex)		
3/4"	20x8=160	
1"	11x6=66	
1 1/4"	6x10=60	
1 1/2"	4x8=32	
3/4"x1/2"	20x10=200	



Size	Packaging	Rate
Brass MTA (Hex)		
3/4"	22x8=176	
1"	13x6=78	
1 1/4"	6x10=60	
1 1/2"	4x8=32	
3/4"x1/2"	24x8=192	



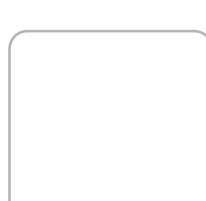
Size	Packaging	Rate
Brass Red. FTA		
3/4"x1/2"	50x5=250	40.25
1"x1/2"	50x4=200	43.30
1"x3/4"	50x4=200	64.50



Size	Packaging	Rate
Brass Red. MTA		
3/4"x1/2"	50x5=250	62.00
1"x1/2"	50x4=200	65.20
1"x3/4"	25x6=150	85.75



Size	Packaging	Rate
Universal Mixer Adapter		
3/4"x1/2"	1	



Size	Packaging	Rate
Ball Valve With Brass Threaded		
3/4"	20	275
1"	25	460



Size	Packaging	Rate
Concealed Valve		
3/4"	1 PCS.	
1"	1 PCS.	



Size	Packaging	Rate
Stop Valve		
3/4"	1 PCS.	
1"	1 PCS.	



cPVC PIPES & FITTINGS

Made of chlorinated polyvinyl chloride, **ETHAN** cPVC Pipes and Fitting are manufactured according ASTM D-2846 respectively. **ETHAN** cPVC Pipes & Fittings offer a long-lasting and cost-effective solution for hot and cold water in plumbing and potable water applications.

Features and Benefits:

- Smooth continuous flow of water due to smooth inner surface
- Low thermal expansion & conductivity
- Easy to handle & installation
- Flame & smoke resistant
- Most cost – effective
- Chemical resistant

NOMINAL DIAMETER		OUTSIDE DIAMETER	SDR 11		SDR 13.5	
			Wall Thick	Working Pressure at 23°C & 82°C	Wall Thick	Working Pressure at 23°C & 82°C
(inch)	(mm)	(mm)	(mm)	(Kg/Cm ²)	(mm)	(Kg/Cm ²)
½"	15	15.8 - 16.0	1.7 - 2.2	28.1 - 7.0	1.4 - 1.9	22.6 - 5.6
¾"	20	22.1 - 22.3	2.0 - 2.5	28.1 - 7.0	1.7 - 2.2	22.6 - 5.6
1"	25	28.5 - 28.7	2.6 - 3.1	28.1 - 7.0	2.1 - 2.6	22.6 - 5.6
1¼"	32	34.8 - 35.0	3.2 - 3.7	28.1 - 7.0	2.6 - 3.1	22.6 - 5.6
1½"	40	41.2 - 41.4	3.8 - 4.3	28.1 - 7.0	3.1 - 3.6	22.6 - 5.6
2"	50	53.9 - 54.1	4.9 - 5.5	28.1 - 7.0	4.0 - 4.6	22.6 - 5.6

cPVC Pipe As Per ASTM D-2846



CPVC Pipes SDR - 13.5 (3m)			
Size	Packing	Weight per pipe	Total BDL
1/2"	75	0.330 kg.	24.75 kg.
3/4"	50	0.530 kg.	26.50 kg.
1"	30	0.830 kg.	24.90 kg.
1 1/4"	25	1.280 kg.	32.00 kg.
1 1/2"	15	1.680 kg.	25.20 kg.
2"	10	2.880 kg.	28.80 kg.



CPVC Pipes SDR - 13.5 (5m)			
Size	Packing	Weight per pipe	Total BDL
1/2"	75	0.580 kg.	43.50 kg.
3/4"	50	0.900 kg.	45.00 kg.
1"	30	1.380 kg.	41.40 kg.
1 1/4"	25	2.140 kg.	53.50 kg.
1 1/2"	15	2.780 kg.	41.70 kg.
2"	10	4.780 kg.	47.80 kg.



CPVC Pipes SDR - 11 (3m)			
Size	Packing	Weight per pipe	Total BDL
1/2"	75	0.400 kg.	30.00 kg.
3/4"	50	0.620 kg.	31.00 kg.
1"	30	0.980 kg.	29.40 kg.
1 1/4"	25	1.480 kg.	37.00 kg.
1 1/2"	15	1.980 kg.	29.70 kg.
2"	10	3.230 kg.	32.30 kg.



CPVC Pipes SDR - 11 (5m)			
Size	Packing	Weight per pipe	Total BDL
1/2"	75	0.660 kg.	49.50 kg.
3/4"	50	1.080 kg.	54.00 kg.
1"	30	1.680 kg.	50.40 kg.
1 1/4"	25	2.480 kg.	62.00 kg.
1 1/2"	15	3.280 kg.	49.20 kg.
2"	10	5.380 kg.	53.80 kg.

cPVC Fitting SDR-11 As Per ASTM D-2846



Size	Packaging	Rate
Coupler		
1/2"	100X10=1000	8.90
3/4"	100X10=1000	9.50
1"	50X10=500	16.50
1 1/4"	25X10=250	26.00
1 1/2"	25X8=200	48.00
2"	20X5=100	92.00



Size	Packaging	Rate
Elbow 90°		
1/2"	100X10=1000	10.60
3/4"	50X14=700	13.50
1"	50X7=350	24.50
1 1/4"	25X8=200	46.00
1 1/2"	20X6=120	73.50
2"	12X5=60	125.00
1"X3/4"	50X7=350	27.00



Size	Packaging	Rate
Tee		
1/2"	100X10=1000	14.20
3/4"	50X10=500	17.50
1"	25X10=250	31.00
1 1/4"	25X6=150	63.50
1 1/2"	10X8=80	98.00
2"	8X5=40	178.00



Size	Packaging	Rate
End Cap		
3/4"	100X15=1500	7.00
1"	50X20=1000	11.50
1 1/4"	50X8=400	20.50
1 1/2"	50X6=300	39.00
2"	50X5=250	45.00



Size	Packaging	Rate
FTA		
3/4"	100X9=900	13.50
1"	50X10=500	23.00
1 1/4"	25X10=250	
1 1/2"	20X8=160	
2"	10X10=100	
3/4X1/2"	100X10=1000	



Size	Packaging	Rate
MTA		
3/4"	100X10=1000	11.50
1"	50X12=600	18.00
1 1/4"	30X12=360	
1 1/2"	20X10=200	
2"	15X8=120	
3/4X1/2"	100X10=1000	



Size	Packaging	Rate
Elbow 45°		
3/4"	100X8=800	21.50
1"	50X10=500	32.00
1 1/4"	25X8=200	56.00



Size	Packaging	Rate
Union		
1/2"	-	41.50
3/4"	50X8=400	45.00
1"	25X10=250	65.00
1 1/4"	20X6=120	95.00
1 1/2"	15X7=105	178.00
2"	10X5=50	215.00

	Size	Packaging	Rate
	Reducer Coupler		
	1"x3/4"	50X14=700	15.50
	1 1/4"x3/4"	25X12=300	28.00
	1 1/4"x1"	25X12=300	29.50
	1 1/2"x3/4"	30X10=300	32.00
	1 1/2"x1"	30X10=300	54.00
	1 1/2"x1 1/4"	25X10=250	65.00
	2"x3/4"		98.00
	2"x1"		102.00
	2"x1 1/4"		108.00
	2"x1 1/2"		117.00
	Reducer Tee		
	1"x3/4"	35X8=280	34.00
	1 1/4"x3/4"	25X6=150	62.00
	1 1/4"x1"	25X6=150	68.00
	1 1/2"x3/4"	15X6=90	98.00
	1 1/2"x1"	15X6=90	105.00
	1 1/2"x1 1/4"	10X8=80	110.00
	2"x3/4"	8X5=40	195.00
	2"x1"	8X5=40	203.00
	2"x1 1/4"	8X5=40	210.00
	2"x1 1/2"	8X5=40	218.00
	Cross Tee		
	3/4"	35x7=245	30.00
	1"	35x6=210	53.00
	1 1/4"	15x5=75	
	Tank Connector		
	1/2"	50x10=500	45.00
	3/4"	35x10=350	48.00
	1"	35x6=210	66.00
	1 1/4"	20x6=120	92.00
	1 1/2"	10x10=100	128.00
	2"	10x6=60	158.00
	Ball Valve (Long Handel)		
	3/4"	12	170.00
	1"	8	210.00
	1 1/4"	4	395.00
	1 1/2"	3	580.00
	2"	2	890.00

	Size	Packaging	Rate
	Reducer Bush		
	1"x3/4"	100X15=1500	11.75
	1 1/4"x3/4"	50X12=600	24.75
	1 1/4"x1"	50X12=600	21.00
	Union+NRV		
	3/4"	10	380.00
	1"	10	305.00
	1 1/4"	10	310.00
	Tank Connector (Socket Type)		
	3/4"	50x8=400	41.00
	1"	25x10=250	58.00
	1 1/4"	20x6=120	100.00
	1 1/2"	10x10=100	135.00
	2"	10x7=70	162.00
	Transaction Bush		
	3/4"x3/4"	100X15=1500	13.00
	1"x1"	50X12=600	
	1"x3/4"	50X12=600	
	Ball Valve		
	3/4"	15	165.00
	1"	8	205.00
	1 1/4"	4	385.00
	1 1/2"	3	575.00
	2"	2	870.00

cPVC Brass Fitting

	Size	Packaging	Rate		Size	Packaging	Rate
	Brass Elbow 90°				Brass Tee		
	1/2"	100x4=400	51.20		1/2"	100x4=400	58.00
	3/4"	35x6=210	62.00		3/4"	30x6=180	70.00
	1"	35x4=140	134.00		1"	25x4=100	146.00
	3/4"x1/2"	50x6=300	46.00		3/4"x1/2"	50x4=200	53.00
	1"x1/2"	35x5=175	65.00		1"x1/2"	25x6=150	72.00
	1"x3/4"	25x6=150	78.25		1"x3/4"	25x5=125	129.00
	Brass FTA				Brass MTA		
	1/2"	100x50=500	54.00		1/2"	100x50=500	70.50
	3/4"	50x6=300	64.00		3/4"	50x5=250	88.00
	1"	25x6=150	98.00		1"	25x6=150	147.00
	1 1/4"	5x7=35	210.00		1 1/4"	5x7=35	260.00
	1 1/2"	5x7=35	260.00		1 1/2"	5x7=35	410.00
	Brass FTA (Hex)				Brass MTA (Hex)		
	3/4"	20x8=160	175.00		3/4"	22x8=176	162.00
	1"	11x6=66	285.00		1"	13x6=78	288.00
	1 1/4"	6x10=60	495.00		1 1/4"	6x10=60	499.00
	1 1/2"	4x8=32	610.00		1 1/2"	4x8=32	756.00
	3/4"x1/2"	20x10=200	165.00		3/4"x1/2"	24x8=192	145.00
	Brass Red. FTA				Brass Red. MTA		
	3/4"x1/2"	50x8=400	45.00		3/4"x1/2"	50x7=350	52.00
	1"x1/2"	50x6=300	57.00		1"x1/2"	50x6=300	64.00
	1"x3/4"	50x5=250	71.00		1"x3/4"	50x5=250	75.00
					Ball Valve With Brass Threaded		
					3/4"	20	275
					1"	25	460

INTRODUCTION OF COLUMN PIPE

Specification :

- ▶ Self-extinguishing does not support combustion.
- ▶ High tensile strength and high pressure rating.
- ▶ Excellent pull out strength.
- ▶ Adjustable according to the depth of water level.
- ▶ High tensile strength of pipe coupler locking, so lock safety is 100%
- ▶ Low friction losses due to excellent smooth internal surface.
- ▶ Resistant to chemical reaction, Bacterial growth, Corrosion, Rusting etc.
- ▶ Size 1" (33mm) To 4" (113mm) are available with various range like economy, Medium, Standard, Super Standard, Heavy & Super Heavy.

Application :

- ▶ Water rising for submersible and jet pump Irrigation, Domestic, Industrial, Mining & Chemical distribution
- ▶ uPVC is nearly inert towards Corrosion, Chemical reaction and erosion. Hence it is ideally suited for long term use in salty, Sandy and Chemically aggressive water.

Salient Features :

- ▶ **High Load Bearing Strength:** Along with the durability and a strong threading system, These pipes are also able to take on heavy instantaneous or prolonged pressures.
- ▶ **Easy Installation:** Solvent jointing is the easiest process and plays the trick in laying large length of pipe in short time.
- ▶ **Non Corrosive:** ETHAN column pipes being chemically inert, resist corrosion require no maintenance thereby longer life than conventional pipe.
- ▶ **Smooth Inner Surface:** ETHAN column pipes have very smooth internal surface which allow friction loss flow with energy saving and tensile strength thereby stamina flow.
- ▶ **Light in Weight:** ETHAN column pipes are light in weight as compare to GI pipes and other pipes thereby transportation & installation are easy.
- ▶ **Square Thread:** Internal (inner surface of coupler) and External (outer surface of pipe) square threaded spigot ends & rubber gaskets for easy reliable and pressure sealing thereby under deep bore pulling load capacity is high. The square threads of coupler & pipes are specially made by CNC machine.
- ▶ **Cost Effective:** Low additional cost incurred in installation.
- ▶ **Economic:** ETHAN column pipes are the best quality pipe with economic price.



uPVC Column Pipes Price List

SIZE (INCH)	MM (OD)	TYPES OF PIPE	kgf/cm ²	MAXIMUM DEPTH OF INSTALLATION (FEET)	PACKING
1"	33MM	Bell 12.5 kg	12.5	150	40
		ECO	16	200	30
		MED	21	300	25
		Bell 15 kg	15	200	25
		STD	30	600	25
1.25"	42MM	Bell 12.5 kg	12.5	150	25
		ECO	15	200	25
		MED	21	300	20
		Bell 15 kg	15	200	25
		STD	25	500	20
		HVY	35	900	15
1.5"	48MM	Bell 12.5 kg	12.5	150	20
		ECO	15	250	15
		MED	21	350	15
		Bell 15 kg	15	200	20
		STD	27	650	15
		HVY	35	900	15
2"	60MM	ECO	9	150	15
		ECO	11	200	15
		ECO	13	200	15
		MED	17	350	15
		STD	21	650	10
		SUP.STD	28	800	10
		HVY	32	900	10
		SUP.HVY	32	1000	7
		SUP.HVY	37	1200	7
2.25"	63MM	STD	20	600	10
		HVY	28	900	10
		SUP.HVY	37	1200	7
2.5"	75MM	ECO	12	200	10
		MED	14	300	10
		STD	21	600	10
		HVY	32	900	7
		SUP.HVY	32	1000	5
		SUP.HVY	37	1200	5
3"	88MM	ECO	10	200	5
		MED	12	300	5
		STD	17	500	5
		HVY	26	850	5
		SUP.HVY	37	1100	5
4"	113MM	ECO	9	200	5
		MED	11	300	5
		STD	16	500	5
		HVY	26	850	3
		SUP.HVY	37	1100	3
5"	140MM	STD	17	520	2
		HVY	27	850	2
6"	165MM	STD	17	500	2
		HVY	27	800	2

uPVC Column Pipes for Submersible Pumps



SQUARE THREADS

Square Threads give excellent leak-proof under high tensile load for longer time. They are easy to fit and have stress free joints. It is very easy to install and remove Submersible Pump - Column Pipes can held firmly with each other.



ADAPTER

Specially designed adapter for ETHAN column pipes are non corrosive and powder coated.



RUBBER ('O') RING

Specially designed 'O' ring gives leak proof joints and becomes an excellent locking system. 'O' ring acts as a motor jerk absorber which increases the life of the submersible pump.



PUMP GUARD

Technically designed Stainless Steel Pump Guard ensure that pump does not fall, which in turn saves the tube-well. Only ETHAN pipe has additional safety.

Fitting Instructions



Don't use oil on threads of Ethan column pipes and always clean the thread of pipes with water before use and check the proper fitment of rubber sealing element.



Fit male square threads of ETHAN column pipes with female thread of pump guard / adaptor.



Before joining ETHAN column pipes, conform that the installation of pipe guard (sivali) is proper.



Fitting Tools for ETHAN column pipe



INSTALLATION PROCEDURE



01 CUT PIPE

Cut Pipe Square. As joints are sealed at the base of the fitting socket. An angled cut may result in joint failure. Acceptable tools include miter saw, mechanical cut o saw or wheel cutter. Wheel type cutters must employ a blade designed for plastics.



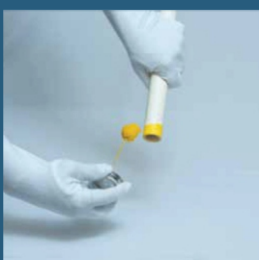
02 REMOVE BURR & BEVEL

Remove all burr from inside and outside of pipe with a knife-edge, file or deburring tool. Chamfer (bevel) the end of the pipe 10°-15°. Remove surface dirt, grease or moisture with a clean dry cloth.



03 DRY FIT

With light pressure, pipe should go one third to one half of the way into the fitting socket. Pipes and Fittings that are too tight or too loose should not be used.



04 APPLICATOR

Use an applicator that is one half the pipe diameter. Too large an applicator will force excessive cement into the inside of small diameter fittings. Too small an applicator will not apply sufficient cement to large diameter systems.



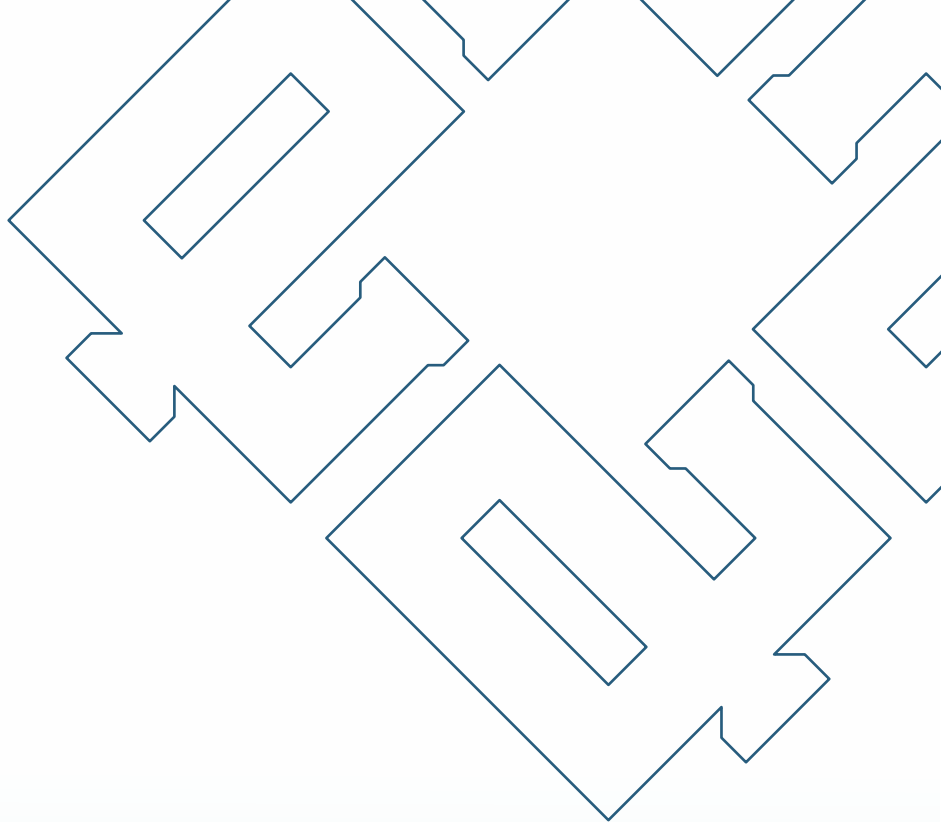
05 SOLVENT CEMENT

Apply a full even layer of cement to the outside of a pipe and medium layer of cement to the inside of a fitting.



06 SET AND CURE

Solvent cement set and cure times are a function of Pipe size, temperature and relative humidity. Curing time is shorter for drier environments, Smaller sizes and higher temperatures. It requires 10 to 20 minutes for perfect joint.



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