

HAR PRESSURE SE BEASAR



uPVC Agri Pipes and Fittings

www.apollopipes.com




ISI Marked
Suraksha

COMPANY OVERVIEW



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VISION

We aspire to become a global leader in the field of Plastic Piping Systems through our relentless process of transforming innovative ideas into incredible realities. We aim to be a genuinely global, high-performing organisation that provides excellent goods and services to its customers.

With our ideals, we seek to create an innovative, high-performance company that is dedicated to offering great products to its clients. We strive to achieve total customer satisfaction by continually improving on product quality, ease of use, availability and cost performance. These values have guided our interactions with customers, partners, employees, and shareholders at large.

MISSION

Our mission is to become a market leader by being one of the best quality product suppliers by expanding continuously, using new technologies, improving business methods, satisfying market expectations, and ensuring employee happiness.

We have always believed in returning back to the society, and so we're working to harness the potential of non-renewable energy sources. Furthermore, we are devoted to deliver on every promise to our valued clients, and work with them to fully understand their evolving needs and long-term requirements.



OUR JOURNEY



UPVC Agri Pipes And Fittings



UPVC Agri Pipes And Fittings

2022-23

- PPR-C Pipes and Fittings Launch.
- Purchased of new land for upcoming plant at Dadri 2

2020-21

- Concluded the strategic acquisition of 'Kisan Mouldings' unit in Bengaluru.
- Successful listing of company's share on NSE.
- Started manufacturing water tank, solvent cement and Bath Fittings Robust.

2019

- Concluded promoter infusion of 142 crore through issuance of equity shares and fully convertible warrants on preferential basis.

2018

- Purchased a land with building in Noida to develop Apollo Pipes corporate office.
- Introduced a brand new products range of faucets, taps, showers and accessories.

2017

- Largest plastic piping solution company.
- Installed capacity of moulding division enhanced to 27,000 MTPA

2016

- First in north india to install 900kg/hr PVC extension line.
- Expanded capacity by 10,000 MTPA
- Took total available capacity to 50,000 MTPA

2013-15

- Started manufacturing uPVC plumbing pipes fittings with 180 MTPA Capacity.
- Commenced CPVC pipes & fittings using kemone, France resin.
- Started manufacturing uPVC agri and SWR fittings.

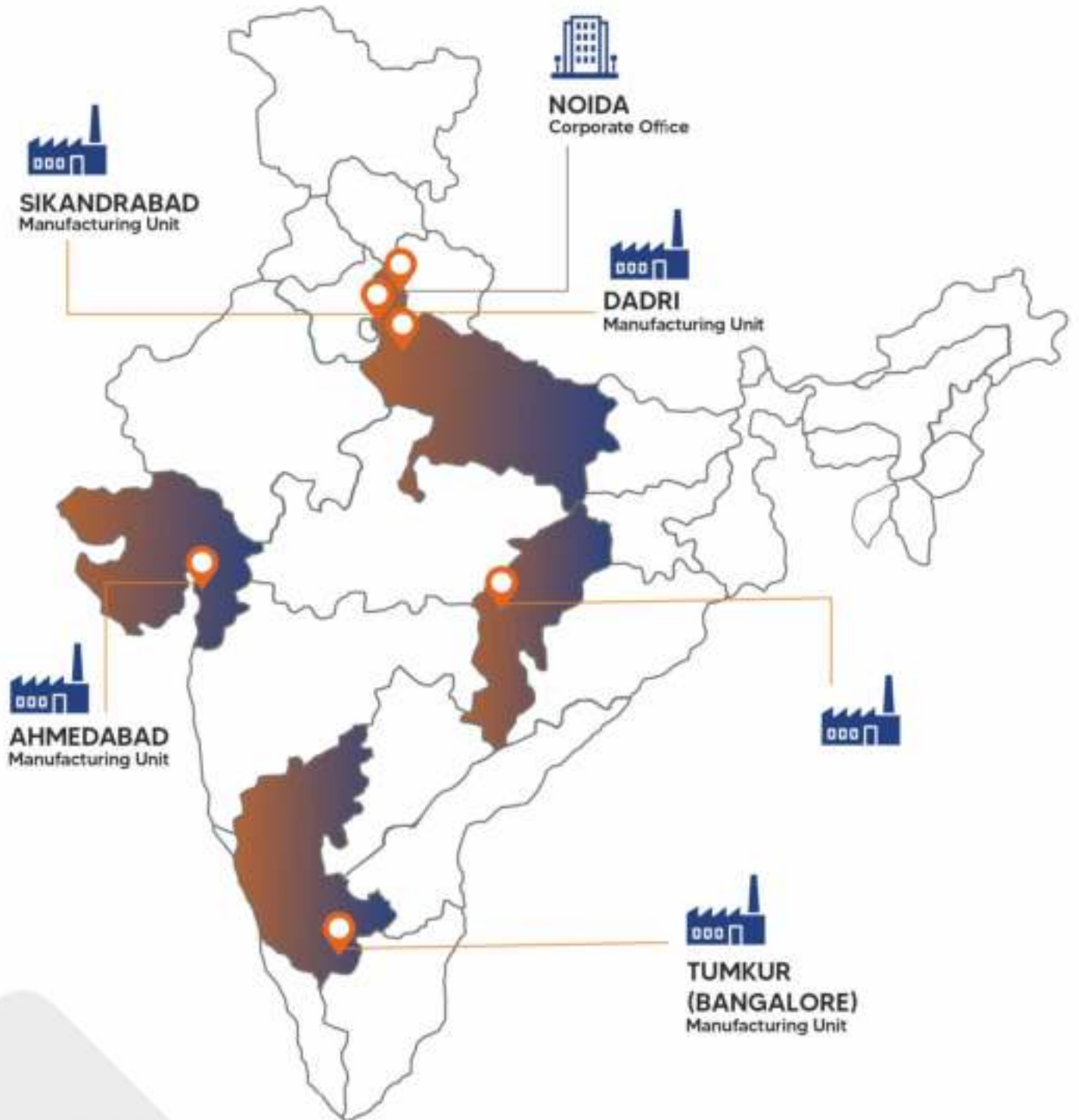
2005-10

- Started manufacturing HDPE pipes
- Setup new plant at Dadri-UP of capacity 21,000 MTPA

2000

- Commercial PVC pipe manufacturing operations.
- Established 3000 MTPA in Sikanderabad, U.P.

OUR PRESENCE



MANUFACTURING UNITS



Manufacturing Plant - Dadri (U.P.)



Corporate Office - Noida (U.P.)



Manufacturing Plant - Raipur (Chhattisgarh)



Manufacturing Plant - Bawla (Gujarat)



Manufacturing Plant - Sikandrabad (U.P.)



Manufacturing Plant - Tumkur (Karnataka)

AWARDS & CERTIFICATIONS



Best Brand Award-2021
by
The Economic Times



Iconic Brands Award of India-2022
by
The Economic Times



Best Manufacturing Award - 2024
by
Industry Outlook





uPVC AGRI PIPES & FITTINGS

APL Apollo Pressure Piping System, which includes a wide range of Pipes & Fittings in various sizes and pressure classes, is an appropriate solution for water supply and irrigation. Pressure piping system has become the prime choice of farmers, water supply bodies, and different government institutions who have successfully replaced conventional piping with APL Apollo products.

APL Apollo offers a comprehensive selection of Pressure Pipes & Fittings. Pressure Pipes are manufactured as per IS 4985: 2021 standards and are available in 20 to 400 mm sizes in different pressure classes. Pipes with both types of joints, i.e. solvent cement and rubber seal, are available. Varieties of moulded fittings and handmade fittings are also available. Moulded Fittings are manufactured as per IS 7834 and fabricated Fittings are manufactured. These Pipes & Fittings are used in a wide range of applications, including irrigation, water supply, industrial process lines, swimming pools, firefighting mains, etc. These Pipes are superior to CI, DI, or RCC Pipes in terms of being light in weight, easier and quicker installation, excellent corrosion and chemical resistance properties, high flow rates, long life, and economy.

Pressure Pipes are offered in Socketed (Self Fit) & Elastomeric (Ring Fit) variants

Applications

APL Apollo Pressure Pipes are multipurpose product with a wide range of applications in (Potable Water Transportation) (underground Pipe lines) for agriculture farms & domestic water supply lines, agricultural & domestic tube wells & bore wells, also they are often applied as drain pipes in residential, commercial & industrial buildings. APL Apollo Pressure Pipes are manufactured conforming to IS-4985 & the Fittings conforming to IS-7834. APL Apollo Pressure Pipes offer a maintenance-free solution for a longer & non-rusting and corrosion-free service life of more than 50 years



Why should you choose APL Apollo Pressure Piping System over other pipes?



Economical



Chemical
resistance



Fast & easy
jointing



Leak-proof
joints



UV
Stabilised



Better flow for
optimum yields

The Ring Fit Jointing System

The following diagrams show the cross-section view of the Elastomeric Pipe before & after assembly. When the Pipes are pushed together the rubber field is compressed. The composition gives rise to a sealing pressure that acts on the socket and spigot as shown in the illustration below.



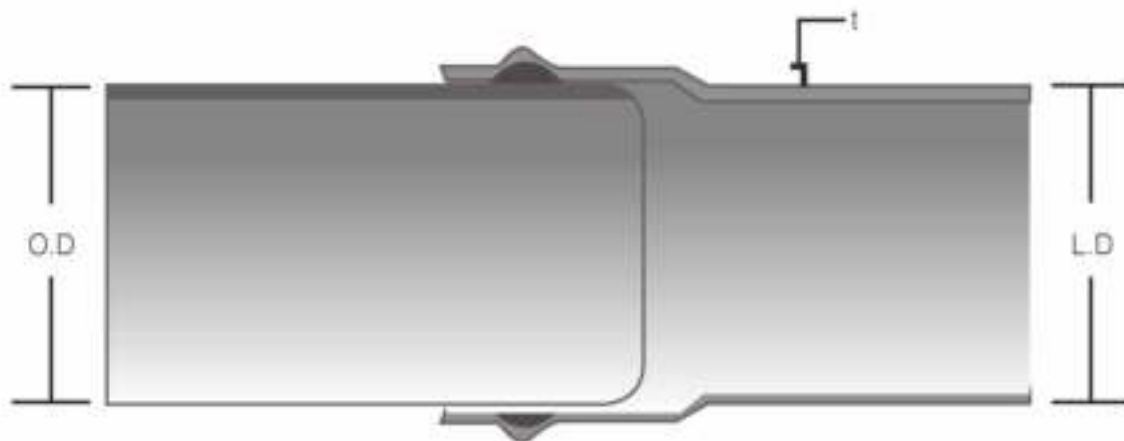
Gasket in Place



Gasket after Place Joining



Sealing Pressure



TECHNICAL SPECIFICATIONS

APL Apollo 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		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	Min	Max	Min	Max	Min	Max
20	20	20.3	-	-	-	-	-	-	-	-	1.1	1.5	1.4	1.8
25	25	25.3	-	-	-	-	-	-	1.2	1.6	1.4	1.8	1.8	2.1
32	32	32.3	-	-	-	-	-	-	1.5	1.9	1.8	2.2	2.2	2.7
40	40	40.3	-	-	-	-	1.4	1.8	1.8	2.2	2.2	2.7	2.8	3.3
50	50	50.3	-	-	-	-	1.7	2.1	2.3	2.8	2.8	3.3	3.4	4
63	63	63.3	-	-	1.5	1.9	2.2	2.7	2.8	3.3	3.5	4.1	4.3	5
75	75	75.3	-	-	1.8	2.2	2.6	3.1	3.4	4	4.2	4.9	5.1	5.9
90	90	90.3	1.3	1.7	2.1	2.6	3.1	3.7	4	4.6	5	5.7	6.1	7.1
110	110	110.4	1.6	2	2.5	3	3.7	4.3	4.9	5.6	6.1	7.1	7.5	8.7
125	125	125.4	1.8	2.2	2.9	3.4	4.3	5	5.6	6.4	6.9	8	8.5	9.8
140	140	140.5	2	2.4	3.2	3.8	4.8	5.5	6.3	7.3	7.7	8.9	9.5	11
160	160	160.5	2.3	2.8	3.7	4.3	5.4	6.2	7.2	8.3	8.8	10.2	10.9	12.6
180	180	180.6	2.6	3.1	4.2	4.9	6.1	7.1	8	9.2	9.9	11.4	12.2	14.1
200	200	200.6	2.9	3.4	4.6	5.3	6.8	7.9	8.9	10.3	11	12.7	13.6	15.7
225	225	225.7	3.2	3.9	5.2	6	7.6	8.8	10	11.5	12.4	14.3	15.3	17.6
250	250	250.8	3.6	4.2	5.7	6.5	8.5	9.8	11.2	12.9	13.8	15.9	17	19.6
280	280	280.9	4.1	4.8	6.4	7.4	9.5	11	12.5	14.4	15.4	17.8	19	21.9
315	315	316	4.6	5.3	7.2	8.3	10.7	12.4	14	16.1	17.3	19.9	21.4	24.7
355	355	356.1	5.1	5.9	8.1	9.4	12	13.8	15.8	18.2	19.6	22.6	24.1	27.8
400	400	401.2	5.8	6.7	9.1	10.5	13.5	15.6	17.8	20.5	22	25.3	27.2	31.3

PRODUCT RANGE

Pressure Pipes Conforming to IS: 1784 & 4985

Agriculture Pipes Class I to Class VI - 20mm to 400mm



Agriculture Fittings as per IS: 7834

ELBOW REGULAR
75mm to 110mm



ELBOW PN4
40mm to 110mm



ELBOW 4KG/CM² W/O COLLAR EXTRA STRONG
63mm to 110mm



ELBOW PN6 ISI
40mm to 110mm



ELBOW
140mm to 200mm



ELBOW PN10
20mm to 110mm



REDUCING ELBOW PN6
90x63mm to 160x110mm



THREADED ELBOW WITHOUT COLLAR
75x63mm to 63x63mm



TEE REGULAR
75mm to 110mm



TEE PN4
40mm to 110mm



TEE 4KG/CM² W/O COLLAR EXTRA STRONG
63mm to 110mm



TEE PN10
20mm to 110mm



TEE PN6 ISI
40mm to 110mm



REDUCING TEE PN4
110x63mm to 110x90mm



TEE
140x200mm



REDUCING TEE PN10
32x25mm to 63x32mm



REDUCING TEE PN6
160x110mm



END CAP PN4
63mm to 225mm



4 WAY REDUCING TEE
63x20mm to 63x32mm



END CAP PN10
20mm to 32mm



END CAP PN6
40mm to 75mm



**MALE THREADED
ADAPTOR (MTA) PN6**
40mm to 110mm



END CAP THREADED
75mm to 110mm



**FEMALE THREADED
ADAPTOR PN6**
32mm to 110mm



**MALE THREADED
ADAPTOR PN10**
20mm to 32mm



COUPLER 6KG
40mm to 160mm



**FEMALE THREADED
ADAPTOR PN10**
20mm to 32mm



**REDUCING
COUPLER**
75x63mm to 160x110mm



COUPLER PN10
20mm to 32mm



REDUCING COUPLER PN6
110x75mm to 110x90mm



COUPLER PN10
20mm to 32mm



REDUCING BUSH
110x90mm to 160x110mm



COUPLER PN4
200mm



**FEMALE THREADED
ELBOW PN10 (BRASS)**
25mmx $\frac{1}{2}$ " to 32mmx $\frac{1}{2}$ "



SERVICE SADDLE
63x20mm to 110x25mm



**FEMALE THREADED
ADAPTOR PN10 (BRASS)**
25mmx $\frac{1}{2}$ " to 32mmx $\frac{1}{2}$ "



**COMPACT LONG HANDLE
BALL VALVE (THREADED)**
20mm to 75mm



**FEMALE THREADED
TEE PN10 (BRASS)**
25mmx $\frac{1}{2}$ " to 32mmx $\frac{1}{2}$ "



**COMPACT LONG HANDLE
BALL VALVE (PLAIN)**
20mm to 75mm



INSTALLATION GUIDE



CUTTING: Cut the pipe with the help of a Hand Saw & make sure it should cut from right angles from all sides. The cut piece should not be with burr on edges.



DEBURRING AND RIDGE REMOVAL: Remove all the burrs and ridges accumulated on the inner and on the outer edges of the pipe with the help of a deburring knife, file or abrasive paper.



CLEANING: clean the pipe with dry cloth to avoid dust, dirt, oil, moisture and other foreign material during the installation process.



CHAMFERING: After cutting, the pipe needs to be chamfered from the outer sides. It is advisable to provide approximately 2 mm wide, 150 chamfer on spigot end.



DRYFIT TEST: Before applying solvent cement, insert the pipe end into the socket of the next pipe or fitting to check that interference occurs at about 1/3 to 2/3 of the socket depth.



APPLICATION OF SOLVENT CEMENT: Mark the pipe length to be inserted for jointing. Apply a liberal coat of solvent cement with the help of the brush at the correct place .



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

Note :

- a) Pipe line should be installed in proper alignment and along with necessary clamps.
- b) Pressure testing to be done before concealing work.
- c) Pressure testing may be carried out after a curing period of 24 hrs.

FEATURES & BENEFITS

- Light weight, easy to transport, store, handle and install. Saves labour.
- Smooth bore ensures higher flow compared to G.I pipes and fittings of the same size.No clogging. Saves operational cost.
- Solvent cement joint, therefore quick installation.
- Corrosion resistant, UPVC is rustproof material, therefore bore diameter remains constant, ensuring constant flow over a lifetime.
- Long working life (if operated under normal/recommended working conditions).
- Cost effective. Added value for your money.

APPLICATIONS

In agriculture

- Water supply and distribution schemes.
- Irrigation

Others

- Drinking water supply and distribution.
- Cable ducting
- Ventilation pipelines
- Slurry lines





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