

Paramount

A Symbol Of Quality

➤ SUBMERSIBLE COLUMN PIPE



AN ISO 9001:2008 CERTIFIED COMPANY

ORNATE
PLASTICS PVT. LTD.

www.paramountpipe.net

Company Profile

Backed by the expertise of an adept workforce along with state-of-the-art facilities, we “**ORNATE PLASTICS PVT. LTD.**” are scaling to the newer heights of success. We are a well integrated organization engaged in manufacturing Pvc products that are widely utilized in various agriculture as well as industrial segments. We started our operation in the year 1984 with a vision to become the foremost choice of leading industries/clients. With our untiring efforts to achieve maximum client satisfaction, we have been successful in developing a vast clientele. We are known as “**Paramount Group**” - manufacturer, exporter & supplier of PVC products.

Infrastructure

An organization's infrastructure plays a vital role in determining its position in the industry. Our robust infrastructural facility allows us to manufacture superior PVC products. Leveraging on our sound infrastructure, we are able to meet all the requirements of our clients in the minimum lead time. We are well equipped with latest technology PVC Extruders and ancillaries that assist us in swift production activities. We upgrade all these from time to time in compliance to keep the pace with changing market condition.

Why Us

There are numerous reasons for which we are preferred by large no. of clients spread across the globe. Some of them are as follows :

- Consistent quality standards
- Customer oriented approach
- Competitive pricing policy
- Premium quality range
- Huge product range
- Timely delivery of consignments
- State-of-the-art facilities
- Transparent business dealings

Product Range

- Pvc Suction & Delivery Hose Pipes
- Rotomouling Granuals / Pulverized Powder
- cPvc Pipes for Hot and Cold Water System
- uPvc High Pressure Plumbing Pipes
- uPvc ASTM Plumbing Pipes
- uPvc Column Pipes
- Pvc Compound
- Pvc Braided Hose Pipes

Paramount Aquaflow™

Quality Assurance

We undertake no. of stringent measures to ensure premium quality of our product range. We use supreme grades of raw-materials as well as standard additives. We have also implemented a strict quality control mechanism in all our operations, so as to ascertain flawless production. The production process is supervised by expert quality controllers, who ensure that industrial norms and standards are followed throughout the manufacturing process. Moreover, they conduct rigorous testing procedures on the whole array of finished Pvc products based on various parameters in our in house Laboratory.

Quality Policy

We “**ORNATE PLASTICS PVT. LTD.**” (PARAMOUNT GROUP) is committed to :

Our goal is to exceed the quality expectations of our customers. This commitment starts with top management and extends through the entire organization. It is achieved through innovation, technical excellence and continuous improvement.

- » Water rising from submersible and jet pump for irrigation, domestic, industrial application.
- » A perfect replacement for MS, GI, and SS pipes.
- » Suitable for salty, sandy and chemically aggressive water.

- » Long Life with max. load capacity
- » Light in weight & easy to transport
- » Easy and low installation cost since no need of threading tools or solvent cement for fitment
- » Cost effective & power sever
- » 10 to 30% extra water due to smooth inner surface
- » No electrolytic deposition
- » No rusting or corrosion
- » High impact resistance
- » With unique stud pin lock

Advantages of *Paramount Aquaflow™* uPvc Column Pipes

» Manufacturing Process :

Paramount Aquaflow™ uses latest extrusion technology, standard quality control procedures and has fully equipped laboratory ensuring the best quality of pipes with perfect dimensional accuracy. We use CNC machines for threading of pipes and couplers with high accuracy tools to ensure the exact dimensions thereby resulting in easy and comfortable fitment of pipes.

» Special Formulation :

Paramount Aquaflow™ pipes are made with specially designed formulation, so that the pipes are capable of handling both internal hydro-static pressure as well as vertical tensile load due to the water column and pump weight. This special formulation also ensures that the threads do not get brittle and break even after loosening and tightening several times during the life span.

» Thick & Thin :

This innovative technique is for making pipes thicker in the threading end to compensate for material removal due to threads. Therefore saves raw material consumption and at the same time provides much higher strength to the pipes.

» Square Threads :

Unique square threads made on CNC machines provide sufficient grip and additional strength against tensile load. Thus the joint becomes fairly strong with sufficient factor of safety to take care of load of entire assembly with pump weight. These specially designed threads also make it suitable for easy fitment. All threads are checked thoroughly with fitment gauges to ensure 100% accuracy.

» Rubber Ring :

Specially designed "O" rings and "BELT" rings are provided on pipe threads to make the joints watertight, absorb pump vibrations, avoid leakage and over tightening.

» Molecular Orientation :

At **ORNATE PLASTICS PVT. LTD.** we have developed unique Molecular Orientation Technique during pipe extrusion, which gives higher impact strength to the pipes.

Comparison Chart

| Material Property Requirement For Column Pipes | <i>Paramount Aquaflow™</i> uPVC Column Pipes | Mild Steel Or Galvanized Steel Pipes |
|--|---|--|
| Long life | uPVC Column Pipes do not react with acidic or alkaline water and have a long life in the bore wells. | Steel pipes are prone to rust, corrosion & ultimately get damaged and need to replace quickly. |
| Light weight | Pipes are light in weight and are easy to handle, install and remove. | Pipes are heavy and a great effort is required for installation or maintenance. Difficult to handle. |
| Smooth internal surface | Internal surface is smooth, therefore low head loss due to friction and results in higher discharge of water. | Rough internal surface and head loss is high resulting in less discharge of water. |
| Leak proof joints | Rubber rings are provided with the threads at every joint ensuring 100% leak proof | Steel pipes are prone to rust, corrosion & ultimately get damaged and need to replace quickly. |
| Strong threaded joints | Specially designed square thread, which do not corrode rust or deteriorate. | Threads are prone to rust and corrosion easily. |

Technical Chart & Specification

| Nominal Size (Inch) | Nominal Size (mm) | Average Outside Diameter (OD) (mm) | Type | Wall Thickness (mm) | | | |
|---------------------|-------------------|------------------------------------|-------------|---------------------|------|--------------------|------|
| | | | | End Side | | Middle/Berral Side | |
| | | | | Min | Max | Min | Max |
| 1" | 25 mm | 33.0 ± 0.10 | Eco | 3.1 | 3.3 | 1.6 | 1.7 |
| | | | Medium | 3.4 | 3.8 | 2.5 | 3.0 |
| | | | Standard | 4.7 | 5.0 | 4.0 | 4.4 |
| 1 ¼" | 32 mm | 42.0 ± 0.10 | Eco | 4.1 | 4.3 | 2.1 | 2.2 |
| | | | Medium | 4.6 | 4.8 | 2.8 | 3.0 |
| | | | Standard | 6.0 | 6.2 | 4.1 | 4.3 |
| | | | Heavy | 6.3 | 6.5 | 5.2 | 5.6 |
| 1 ½" | 40 mm | 48.0 ± 0.10 | Eco | 4.3 | 4.7 | 2.4 | 2.5 |
| | | | Medium | 4.9 | 5.2 | 3.5 | 3.8 |
| | | | Standard | 5.9 | 6.2 | 4.0 | 4.4 |
| | | | Heavy | 7.9 | 8.2 | 5.8 | 6.1 |
| 2" | 50 mm | 60.0 ± 0.13 | Eco | 4.0 | 4.2 | 2.1 | 2.3 |
| | | | Medium | 5.0 | 5.3 | 2.6 | 2.8 |
| | | | Standard | 6.4 | 6.4 | 4.1 | 4.4 |
| | | | Heavy | 7.4 | 7.6 | 5.5 | 5.8 |
| | | | Super Heavy | 9.3 | 9.5 | 6.8 | 7.0 |
| 2 ½" | 65 mm | 75.2 ± 0.13 | Medium | 5.0 | 5.40 | 2.8 | 3.1 |
| | | | Standard | 6.7 | 7.1 | 4.2 | 4.5 |
| | | | Heavy | 8.7 | 8.9 | 6.5 | 6.9 |
| | | | Super Heavy | 10.3 | 10.5 | 8.6 | 8.8 |
| 3" | 80 mm | 88.0 ± 0.15 | Eco | 5.2 | 5.4 | 3.2 | 3.5 |
| | | | Medium | 5.5 | 5.8 | 3.4 | 3.6 |
| | | | Standard | 7.4 | 7.6 | 5.2 | 5.6 |
| | | | Heavy | 9.1 | 9.3 | 7.5 | 7.9 |
| | | | Super Heavy | 11.0 | 11.3 | 9.7 | 10.1 |
| 4" | 100 mm | 113.0 ± 0.15 | Medium | 6.0 | 6.4 | 4.0 | 4.4 |
| | | | Standard | 8.5 | 9.0 | 5.9 | 6.3 |
| | | | Heavy | 12.1 | 12.6 | 9.6 | 10.1 |
| | | | Super Heavy | 15.5 | 16.0 | 13.0 | 13.4 |

Technical Chart & Specification

| Length of Thick Portion at Both Side (mm) | Nominal Effective Length (mm) | Ultimate Breaking Load (Kg) | Safe Pulling Load with Chain Pulley (Kg) | Safe Allowable Hydrostatic Pressure (Kg/cm ²) | Safe Total Pump Delivery Head (m) | Standard Packing | Colour Cap as per Type |
|---|-------------------------------|-----------------------------|--|---|-----------------------------------|------------------|------------------------|
| 200 ± 20 | 3000 + 10 | 800 | 440 | 12.5 | 125 | 30 | Orange |
| 200 ± 20 | 3000 + 10 | 1450 | 800 | 16 | 160 | 30 | Orange |
| 200 ± 20 | 3000 + 10 | 1700 | 1250 | 30 | 300 | 30 | Red |
| 200 ± 20 | 3000 + 10 | 1340 | 740 | 12.5 | 125 | 25 | Orange |
| 200 ± 20 | 3000 + 10 | 2000 | 1150 | 15 | 150 | 25 | Orange |
| 200 ± 20 | 3000 + 10 | 2600 | 1500 | 25 | 250 | 25 | Red |
| 200 ± 20 | 3000 + 10 | 3100 | 1550 | 35 | 350 | 25 | Red |
| 200 ± 20 | 3000 + 10 | 1760 | 970 | 12.5 | 125 | 20 | Orange |
| 200 ± 20 | 3000 + 10 | 2400 | 1250 | 15 | 150 | 20 | Orange |
| 200 ± 20 | 3000 + 10 | 3000 | 1700 | 26 | 260 | 20 | Red |
| 200 ± 20 | 3000 + 10 | 4000 | 2000 | 35 | 350 | 20 | Blue |
| 200 ± 20 | 3000 + 10 | 2150 | 1180 | 8 | 80 | 15 | Orange |
| 200 ± 20 | 3000 + 10 | 2900 | 1550 | 13 | 130 | 15 | Orange |
| 200 ± 20 | 3000 + 10 | 3800 | 2100 | 20 | 200 | 10 | Red |
| 200 ± 20 | 3000 + 10 | 5000 | 3030 | 27 | 270 | 10 | Blue |
| 200 ± 20 | 3000 + 10 | 5600 | 3500 | 35 | 350 | 10 | Black |
| 200 ± 20 | 3000 + 10 | 3550 | 1930 | 10 | 100 | 10 | Orange |
| 200 ± 20 | 3000 + 10 | 5300 | 2860 | 16 | 160 | 10 | Red |
| 200 ± 20 | 3000 + 10 | 7000 | 4200 | 26 | 260 | 5 | Blue |
| 200 ± 20 | 3000 + 10 | 8600 | 4800 | 35 | 350 | 5 | Black |
| 200 ± 20 | 3000 + 10 | 4500 | 2500 | 10 | 100 | 5 | Orange |
| 200 ± 20 | 3000 + 10 | 5100 | 2800 | 11 | 110 | 5 | Orange |
| 200 ± 20 | 3000 + 10 | 7200 | 4110 | 17 | 170 | 5 | Red |
| 200 ± 20 | 3000 + 10 | 10600 | 6350 | 26 | 260 | 5 | Blue |
| 200 ± 20 | 3000 + 10 | 11900 | 6600 | 35 | 350 | 5 | Black |
| 200 ± 20 | 3000 + 10 | 7500 | 4100 | 10 | 100 | 5 | Orange |
| 200 ± 20 | 3000 + 10 | 10500 | 5800 | 15 | 150 | 5 | Red |
| 200 ± 20 | 3000 + 10 | 16000 | 9500 | 26 | 260 | 5 | Blue |
| 200 ± 20 | 3000 + 10 | 19800 | 11000 | 35 | 350 | 5 | Black |

Handling of Pipes

- » On receiving pipes please check and inspect for any form of transport damage due to shift in load or improper handling.
- » Visually examine the ends of pipes for any cracks or damage.
- » Do not throw or drop the pipes on the floor.
- » Do not drag or push the pipes from the truck bed.
- » Contact of pipes from any sharp object should be totally avoided.

Storage of Pipes

- » Pipes should preferably be stored indoors. When this is not possible please ensure that the bundles are covered to prevent exposure to sunlight, and to reduce the effect of U.V. rays.
- » Maximum stacking height of pipes should be 7 feet.
- » Place alternate layers of pipes at an angle of 90 degrees / perpendicular to each other, with the first layer in a square shape.
- » The pipes are stored on level ground free of any sharp objects.
- » If pipes of same diameter but different classes are being stacked together, place the thicker pipes below, i.e. stack heavy pipes below standard pipes.
- » The surface should be dry.

Accessories



- ECO
- Medium
- Standard
- Heavy
- Super Heavy

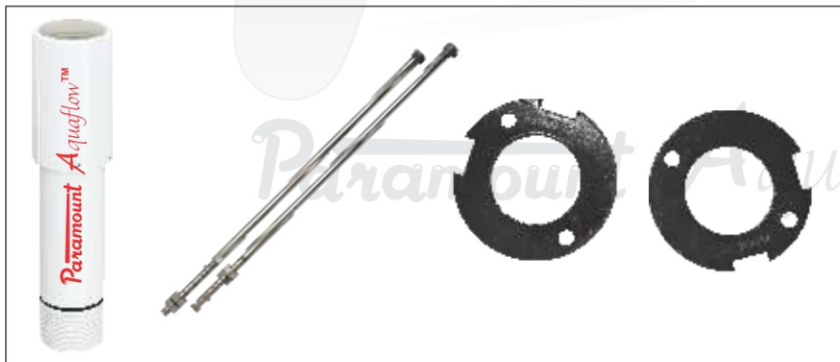
uPVC COLUMN PIPE
1" to 4"



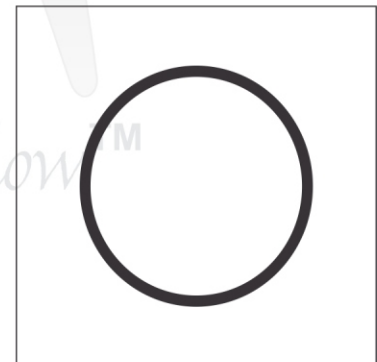
TOP BOTTOM ADAPTER SET
1" to 4" CI & SS Both



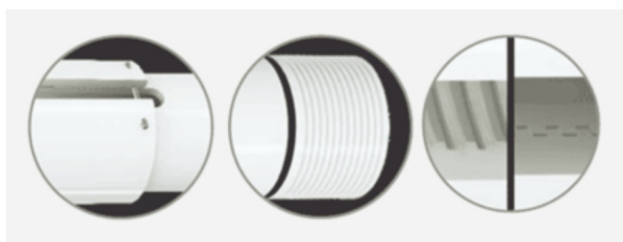
SIGRI (LOWERING JIG)
2" to 4"



PUMP GUARD SET
1½" to 4"



'C' RING
1" to 4" ALL SIZE



Paramount Aquaflo™ uPVC COLUMN PIPES
WITH UNIQUE STUD PIN LOCK





Installation Procedures



1 INSERT FLANGE

Insert one Flange to Bottom Adaptor from bottom side

FIX THE ADAPTOR

Fix the Adaptor to Pump with wrench support, tightly



3 WASH WITH SOAP & CLEAN WATER

Wash PVC SM Piece male and female Threads with plain water and insert in Adaptor Square Threads.

CONNECT FLANGES WITH SS RODS

Place 2nd Flange on top of PVC SM Piece coupler and connect both Flanges with SS RODS
Note: Maintain minimum play between both Flanges while tightening the bolts to rods.



5 INSERT PIPES

Clean the male and female Threads with plain water and insert pipe to pipe till last pipe.

FIX WITH PUMPS

Drop the pump with one after another pipe with a support of LOWERING ZIG and manpower.



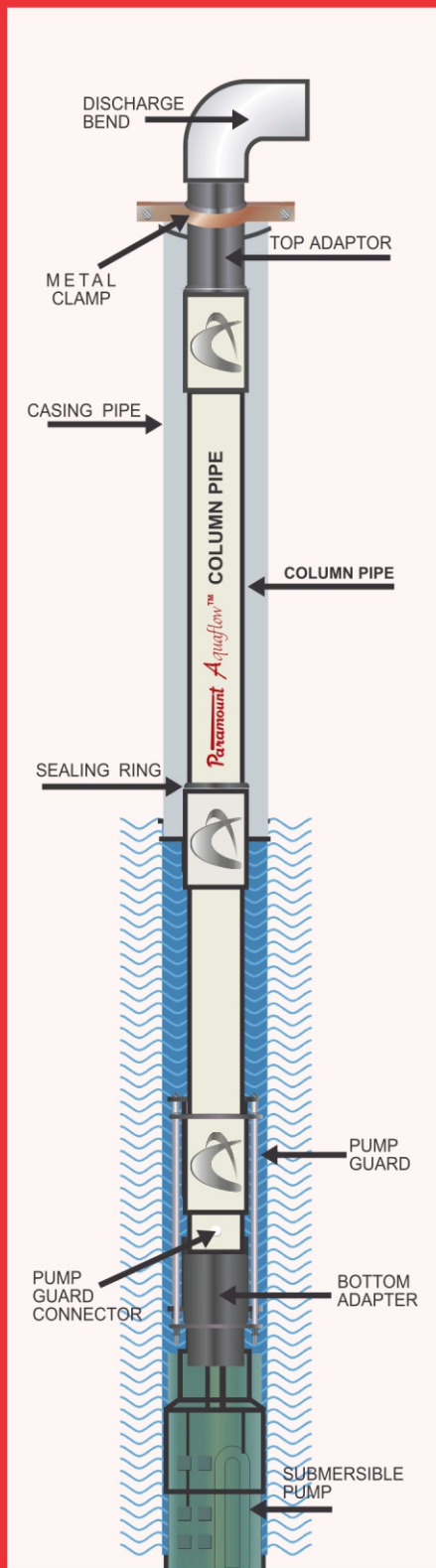
7 FIX WINDING WIRE

Tie the cable to pipe outer walls, with a winding wire loosely, with an extra length of one foot approximately to each pipe to sustain the Vibration jerks.

FIX TOP ADAPTOR FOR USAGE

Fix TOP ADAPTOR to final pipe coupler, adjust with GI coupler and bend for regular usage.





AN ISO 9001:2008 CERTIFIED COMPANY

ORNATE
PLASTICS PVT. LTD.

8/B, Old National Highway, Village : Bamanbore - 363520. (Gujarat) INDIA.