

NATRAJ[®]

HIGH TENSILE COLUMN PIPES FOR SUBMERSIBLE PUMPS

lifelines, not just pipelines

- ✓ LIGHT WEIGHT
- ✓ HYGIENIC
- ✓ HIGH FLOW RATE
- ✓ LONG LIFE
- ✓ EASY INSTALLATION
- ✓ NON CORROSIVE
- ✓ HIGH TENSILE LOAD CAPACITY
- ✓ LEAK PROOF JOINTS
- ✓ UV STABILIZED



An 9001 : 2008 Company

A product of
PRABHU POLY PIPES LTD.

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uPVC HIGH TENSILE COLUMN PIPE

NATRAJ uPVC column pipes are used In borewell systems to lower the pumpsets in the casing pipe to raise water. Natraj uPVC column pipes are manufactured to sustain high tensile loads subjected on it by the weight of the Submersible Pumpset and vibration generated by it while

running. These pipes have heavy duty square threads along with a separate socket attached to one end of the pipe. To ensure leak proof joints high quality EPDM rubber rings are provided on both ends of the pipe.

Range:

NATRAJ Submersible Column Pipes is available in sizes from 1 Inch (25mm) to 4 Inch (100 mm) ID & in standard 3 metre lengths. They are categorized under three categories SILVER (upto 100 ft), GOLD (100 ft to 200 ft), Diamond (200 ft to 350 ft) depending upon their depth of lowering.

Thread Profile:

Specially designed Square threads of Natraj Pipes can bear maximum load in a bore well environment. These pipes can be assembled and dismantled very easily and quickly.



Leak Proof Joints:

Best Quality EPDM 'O' Rings are used for leak proof joints. These rubber rings also act as jerk absorbers when the pump is switched on or off.



Features and Benefits:

- Economical & Easy handling
- Excellent chemical resistance
- Non conductive
- Quality water
- Low frictional losses
- Leak proof joints

Application:

- Water transportation in Borewells / Tubewells.
- Hanging of submersible pumps in Borewells/ Tubewells.



Specifications:

Nominal Size	Outer Diameter	Silver Type			Gold Type			Diamond Type		
		Light Grade			Medium Grade			Heavy Grade		
		Hydrostatic Pressure	Max Depth	Max Load	Hydrostatic Pressure	Max Depth	Max Load	Hydrostatic Pressure	Max Depth	Max Load
inch	mm	kg/cm ²	ft	kg	kg/cm ²	ft	kg	kg/cm ²	ft	kg
1"	33.4	20	100	850	25	200	1100	30	350	1200
1-1/4"	42.16	15	100	1100	20	200	1500	25	350	1700
1-1/2"	48.26	15	100	1300	20	200	1800	25	350	2000
2"	60.32	14	100	1800	16	200	2500	20	350	2800
3"	88.3	12	100	3800	14	200	5000	17	350	5900
4"	113.3	10	100	5300	12	200	7500	15	350	9400

COLUMN PIPE JOINING INSTRUCTIONS

1



Join the Metal connector with Submersible pump with the help of chain wrench.

2



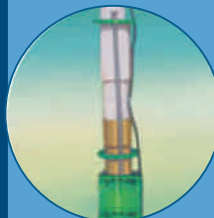
Before joining the pipes, ensure to clean the threads of with clean water.

3



Before joining the pipes ensure that the Pump Guard is installed Properly.

4



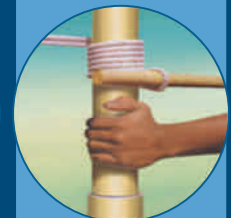
Before opening or joining the pipe/adaptor ensure to hold the coupler by hand.

5



Tighten pipe till half rubber ring is seen with hand last jerk with rope it required.

6



At the time of lowering pipes place the clamp below the coupler. Clamp the top adaptor with the last pipe.