

NEXT GENERATION PRODUCT

**Lead Free
& Heavy
Metal Free**

**With Double
SS Stud Pin
Lock System**

Design Patent
Pending



ASTRAL BORE-WELL COLUMN PIPES FOR SUBMERSIBLE PUMPS

Astral Bore-well uPVC lead free column pipes added advantages compared to conventional column pipes available today in Indian market. The product with unique design has undergone stringent testing under critical field conditions to meet or exceed the actual field requirements of products available for similar applications.

FEATURES AND BENEFITS :

- Manufactured from high quality virgin PVC Compound, also reliable for drinking water.
- Chemical and corrosion resistance.
- Long life.
- Smooth inner wall, no scale build up.
- Low friction loss, resulting in energy saving, efficient pumping.
- 100% leak proof joint with two rubber 'C' rings per coupler.
- Light in weight, easy to transport.
- Fast and easy installation.
- Low installation cost. Does not require wrenches, threading tools or solvent cement.
- No curing period, immediate pump testing possible.
- High impact resistance
- No electricity required.

INBUILT ONLINE STRIPE :

Every BORE-WELL pipe are marked with inbuilt online stripe. This is unique process being pumped through ASTRAL® BORE-WELL column pipes where actual stripe is a integral part of a pipe and there is no printing process done over the manufactured pipe. The major benefit of this unique process is that the customer gets the original ASTRAL® product and not the duplicate one.



UNIQUE FEATURES :

SPECIAL COMPOUND : ASTRAL® BORE-WELL column pipes are manufactured from "METAL FREE" uPVC compound especially developed by using "JAPANESE TECHNOLOGY" to sustain best column loads, pressure and also encounters the high impact developed during handling, storage and installation. Due to this special compound the TENSILE property of pipe increases which is being tested rigorously using modern testing equipments.

DOUBLE SS STUD PIN LOCK SYSTEM : Every pipe is fitted with coupler having "SS Stud Pin Lock" a unique system developed by ASTRAL, which ensures that during installation, application or removal of assembly, the coupler will never be dethreaded from the pipe.



100% HYGIENIC / SAFE FOR DRINKING

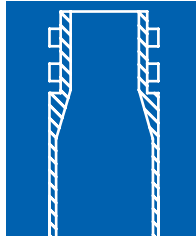
WATER : Supply of drinking water is 100% hygienic and safe as being pumped through ASTRAL® BORE-WELL column pipes manufactured from special HEAVY METAL & LEAD FREE compound right from the origin of water source beneath under the earth at maximum depth.

EFFECTS OF LEAD : Lead exposure is estimated to account for 143 000 deaths per year. Lead stored in bones may be remobilized into the blood during pregnancy, thus exposing the fetus.

EPDM RING : Specially designed "O" rings provided on the threads makes the joints watertight and absorb pump vibrations. These rings are made from EPDM (Ethylene Propylene Diene Monome) rubber which is most suitable for drinking water option with negative thermal expansivity.

SQUARE THREADS : Unique square threads made on CNC machines provide sufficient grip and additional strength against tensile load. Thus the joint become 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.

THICK & THIN PROCESS : The pipe ends are specially given the effect of additional wall thickness by using Thick & Thin process to compensate the strength and load bearing capacity caused due to threading of pipes. The effect of Thick & Thin is given to all sizes considering the working conditions & load factor. Astral Bore-well column pipes offers length of thick portion at both end side 250mm ± 20mm.



AVAILABLE SIZE :

- 1" : V4 Bell End, V4, Medium, Standard
- 1¼" & 1½" : V4 Bell End, V4, Medium, Standard, Heavy, Super Heavy
- 2" : V4, Medium, Crystal, Standard, Heavy, Super Heavy
- 2¼" : Super Heavy
- 2½" : Medium, Standard, Heavy, Super Heavy
- 3" : Eco, Medium, Standard, Heavy, Super Heavy
- 3½" : Double Heavy
- 4" : Eco, Medium, Standard, Heavy, Super Heavy

SHORTLY INTRODUCING :

- 5" – Standard, Heavy and Super Heavy
- 6" – Standard, Heavy and Super Heavy



ASTRAL CASE - WELL

CASING FOR BOREWELL

uPVC CASING PIPES FOR BOREWELLS

Available in CM & CS variant, in the sizes of 100mm (4") to 250mm (10"), Also available with Strainer/Filter/Slotted

FEATURES

- Easy to handle
- Corrosion free
- Durable & maintenance free
- Best tensile strength
- Best impact strength
- Fire resistance
- Non-toxic
- Light weight & easy installation



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