

Vast Range Superlative Products



PVC PIPES & FITTINGS

Pipe - IS:4985
Fittings - IS:7834 (Injection Moulded)
IS:10124 (Fabricated)

Sizes: 20mm to 400mm
Pressure: PN 2.5 to PN 12.5

Applications:

1. Irrigation Scheme
2. Tube well
3. Gobar gas Line
4. Drinking water supply lines for potable water services
5. Sewerage and waste lines
6. Main line for sprinklers/drip pipeline
7. Underground or open pipeline
8. Telecommunication and cable ducting
9. Horticultural and green house technology
10. Surface water drainage
11. Factory supply lines, etc



Applications (Fittings):

PVC fittings ensure easy installation, quick modifications as well as complete flexibility in constructing a piping system

HDPE PIPE

Pipes - IS: 4984
IS: 14333

Sizes: 20mm to 630mm
Pressure: PN 2.5 to PN 16
Grade: PE 63, PE 80, PE100

Applications:

1. **For Agriculture:** Spraying pesticides, long length delivery of water, suction and delivery hose, lifting water from bore wells, air compressors, lift irrigation schemes, and with submersible pumps
2. **For Potable Water Supply:** In urban and rural areas even in sub zero temperatures at high altitudes
3. **For Industrial Use:** Conveying corrosive effluents of chemicals, air conditioning and ducting, compressed air supply, chilled water circulation, in sewage & drainage, conveying acids & alkalis
4. For carrying natural gas, coal gas, bio-gas etc. for domestic and industrial purposes



SOLVENT CEMENT

IS: 14182

Available for PVC, uPVC & CPVC Pipes & Fittings

Packing Qty.:

25ml to 200 ltr. in plastic cans, tins & tubes

Applications:

To join two or more pipes or join a pipe to a fitting or a fitting to a fitting



CPVC PIPES & FITTINGS

Pipe - IS: 15778
Fittings - ASTM-D 2846



Size: ½" to 2"
Available Range: SDR 11 & 13.5
Available in 3 mtr. & 5 mtr. length

Applications:

1. In villas, individual homes, apartments, offices, commercial buildings, hospitals for hot and cold water application
2. Solar application
3. Industrial plumbing for chemicals
4. Chill water circulation for refrigeration units
5. RO water systems and DM plants
6. Piping for swimming pools and various other applications

uPVC PLUMBING PIPES & FITTINGS

Pipe - ASTM-D 1785
Fittings - ASTM-D 2467



Size: ½" to 4"
Available Range: Schedule 40 & Schedule 80
Available in 3 Mtr. or 6 Mtr. length.

Applications:

1. Water connection/ plumbing for buildings
2. Vertical riser lines & ring lines for buildings
3. Mainlines for water distribution
4. RO water systems and DM plants
5. Piping for swimming pools
6. Industrial plumbing for chemicals
7. Water distribution systems, urban & rural for bathrooms, kitchens, industrial & commercial complexes etc.

SWR DRAINAGE SYSTEMS

Pipes - IS: 13592
Fittings - IS: 14735



Size: 40mm to 160 mm
Available Range: Type A & Type B
SWR Pipes & Fittings available in rubber ring socket & plain socket type

Applications:

1. For soil, waste, vent, sewer and rain water drainage applications
2. For domestic drainage system
3. For laboratory, chemical processing lines, overflow and waste lines in the food processing industries
4. For affluent discharge in dairy plants

PPR – C PIPES & FITTINGS

Pipe - IS: 15801



Size: 20mm to 160mm
Pressure: PN 10, PN 16 and PN 20 bar
Colour: White

Applications:

1. Hot & Cold water supply in residential, industrial and public projects
2. Solar applications
3. Compressed air systems (pneumatic)
4. Conveying liquids for food products
5. Used in various industries
6. Chill water circuit for refrigeration units
7. DM water, affluent treatment and RO plants

UNDER GROUND DRAINAGE & SEWERAGE SYSTEM

Pipe - IS: 15328



Size: 63mm to 315mm
Available in rubber ring socket & plain socket type

Applications:

1. To carry soil and waste water from building to roadside sewers or drains and from there to treatment plant or disposal point
2. For use in hospitals, hotels, huge residential complexes, corporate buildings, etc
3. Also for collection and disposal of rain water (rain water harvesting)

SUCTION HOSE PIPE



Size: 3/4" to 6"
Available in various colour

Applications:

1. For agriculture, industry, construction, engineering and shipping
2. For suction and discharge operation
3. For protective covering of electrical wiring
4. For transporting chemical and powders
5. For water supply and drainage system that demands flexibility
6. For drawing water from well and tankers
7. For transporting oil for industry
8. For transporting concrete
9. For suction operations in civil and engineering and mining

GARDEN & TUBING PIPE



Size: 1/2" to 1"
Available in various colour

Applications:

1. For pneumatic air control systems
2. For gardening
3. For building construction
4. For automobile industry

SUBMERSIBLE COLUMN PIPES



Size: 1 Inch to 4 Inch
Available Range: V4, Medium, Standard & Heavy Column Pipe are available in socket & bell end type

Applications:

Submersible pipes are replacement of GI Pipes while digging borewell / tubewell to tap the underground water resources up to 1100 feet depth.

CASING PIPES

Pipe - IS:12818



Size: 1½" to 10"
Colour: Blue
Available Range: CM (Medium Casing)
CS (Shallow Casing)

Applications:

uPVC casing pipes, due to their desirable performance characteristics have been recognized as the most suitable material for bore /tube well construction. Solid wall (plain), Ribbed & Screen (Slotted) Casing Pipes are available in standard length of 3 mts. in blue colour. The CS Pipes are casing pipes suitable for wells with depths up to 80m while the CM Pipes for wells with depth above 80m up to 250m.

ELASTOMERIC PVC PIPES

Pipe - IS: 4985



Water tight joints with rubber gasket gives flexibility in joining

Size: 63mm to 400mm
Pressure: PN 4 to PN 10

Applications:

1. Irrigation Scheme
2. Tube well
3. Gobar gas Line
4. Drinking water supply lines for potable water services
5. Sewerage and waste lines
6. Main line for sprinklers/drip pipeline
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SPRINKLER IRRIGATION SYSTEM

IS: 14151 Part-2
IS: 12232



Sprinkler irrigation is a method of applying irrigation water which is similar to natural rainfall. The spray is developed by the flow of water under pressure through small orifices or nozzles. With careful selection of nozzle sizes, operating pressure and sprinkler spacing the amount of irrigation water required to refill the crop root zone can be applied nearly uniformly at the rate to suit the infiltration rate of soil.

Types of Sprinkler:

- A. **Overhead Sprinkler:**
 - 1. C Clamp fusion welding
 - 2. Regular butt welding
 - Size: 63mm to 110mm
 - Pressure: 2.5kgf/cm², 3.2kgf/cm²
- B. **Mini Sprinkler**
- C. **Micro Sprinkler**

Components of Overhead Sprinkler

- 1. Sprinkler pipes
- 2. Pump connecting nipple
- 3. Bend
- 4. Foot bottom
- 5. End cap
- 6. Tee
- 7. GI riser pipe
- 8. Nozzle M-20



Advantages:

- 1. 50-70% water saving
- 2. 50-60% increase in yield
- 3. Low evaporation loss
- 4. Low soil erosion
- 5. Controlled irrigation
- 6. Uniform crop growth
- 7. Free from pest
- 8. Easy portable system

Applications:

- 1. Suitable for almost all field crops like wheat, gram, pulses as well as vegetables, cotton, soya bean, tea, coffee, tobacco and other fodder crops.
- 2. Suitable for residential, industries, hotels, resorts, public & government enterprises, golf links, race course



DRIP IRRIGATION SYSTEM



Online Laterals - IS: 12786

Pressure: Class 1 and Class 2

Sizes: 12mm, 16mm, 20mm, 25mm, 32mm

Online Dripper - IS:13487

Discharge (Liters Per Hour): 2, 4, 8, 16

Online Dripper Laterals are mainly recommended for medium to far spaced horticulture crops like mango, grapes, pomogranete, citrus, coconut, sweet lime, awla, guava, orange, sapota, chikoo, etc.



Emitting Pipe: (Inline Lateral) - IS: 13488

Pressure : Class 1 and Class 2

Types : Hydrogol Emitting (Inline) Lateral

Flat (Patti) Emitting (Inline) Lateral

Sizes : 12mm, 16mm, 20mm

Discharge (Liters Per Hour): 2 and 4

Spacing : 20cm to 150cm

Inline Laterals are mainly recommended for closed spaced & row crops like cotton, turmeric, onion, rose, papaya, banana, sugarcane, jarbera, mulberry, safed musli, vegetables, nishigandha, aloe vera, other flowers, etc.



DRIP IRRIGATION SYSTEM

Advantages:

1. Best tool for water conservation
2. Increases yield 50-60%
3. Saves water 60-70%
4. Fertilizer use efficiency increases 40-50%
4. Crop grows consistently healthy and matures fast, resulting in faster and better returns on investment

Important Components of Drip Irrigation Systems:



Sand Filter - IS: 14606
 Maximum flow rate m³/hr : 20, 25, 30, 40, 50, 60
 BSP Thread Connection (Inches): 2, 2.5, 3



Hydrocyclone Filter - IS: 14743
 Available in Metal & Plastic
 Maximum flow rate m³/hr: 20, 25, 30, 40, 50
 BSP thread connection (Inches): 2, 2.5, 3



Screen/Strainer Filter - IS:12785
 Available in Metal or Plastics
 Maximum flow rate m³/hr: 5, 10, 15, 20, 25, 30, 40, 50
 BSP thread connection (Inches): 3/4, 1, 1.5, 2, 2.5, 3, 4



Disc/Strainer Filter - IS:12785:
 Available in Metal or Plastics
 Maximum flow rate m³/hr: 5, 10, 15, 20, 25, 30, 40, 50
 BSP thread connection (Inches): 3/4, 1, 1.5, 2, 2.5, 3, 4



Fertigation & Chemigation Equipments
 1. Fertilizer Tanks Range: 30 Ltr, 60 Ltrs, 90 Ltrs, with vacuum breaker valves & 25mm compression fittings inlet & outlet. Unique UV stabilized green transparent tubes & solid sealed PP ball valves
 2. Fertilizer Injector Ventury Assembly System Range: 3/4" & 2" low head loss operated at low motive flow



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