

Hayat

PUMPS

SUBMERSIBLE uPVC COLUMN PIPE



Application

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



Salient Features of Hayat uPVC pipe

- Long life.
- Light in weight & easy to transport
- Easy and low installation cost since no need to threading tools or solvent cement for fitment.
- Cost saver.
- Power Saver.
- 10 to 30% extra water.
- No electrolytic deposition.
- No rusting or corrosion.
- High impact resistance.

Handling and Storage of Pipes

- Pipes should preferably be stored indoors
- The pipes are stored on level ground free of any sharp objects
- 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
- The surface should be dry

Quality Control Procedures at Hayat

Test	Standard
Short Term Hydrostatic Pressure Test	As per IS 4985-1988
Impact Strength	As per IS 4985-2000 Testing done at 6 to 20 times higher than specifications.
Tensile Strength	As per IS 12818-1992
Specific Gravity	As per IS 12818-1992 Between 1.40-1.43

Accessories



Adapter (SS, MS, CI)



Pump Guard Set



Sigri (Pipe lifting)
Spanner (Pipe tightening)

Installation Procedure



Clean threads with water before joining



Fix bottom adapter with pump



Ensure that pump guard is installed properly



Hold coupler before loosening or tightening of pipes



Lower the idol column pipes with chain pulley

Technical Chart of Hayat uPVC Column Pipe

Nominal Diameter (inch)	Duty	Average Outer Diameter (mm)	Nominal Effective Length (mm)	Thick Portion of Both Sides	Safe Pulling Load with Chain Pulley (kgf.)	Safe Allowable Hydrostatic Pressure (kg/cm ²)	Safe Total Pump Delivery Head (mt.)	Packing Details Pipes/ Bundle	Colour Code As Per Duty
1"	V4-Belled	33	2940 ± 10	130	600	13	130	30	●
	Eco		3050 ± 10	180	550	13	130	30	●
	Medium		3050 ± 10	200	750	16	160	30	●
	Standard		3050 ± 10	200	1150	30	300	30	●
	Heavy		3050 ± 10	200	1600	35	350	25	●
1 ¼ "	V4-Belled	42	4940 ± 10	130	800	13	130	25	●
	Eco		3050 ± 10	180	800	13	130	25	●
	Medium		3050 ± 10	200	1150	15	150	25	●
	Standard		3050 ± 10	200	1550	26	260	25	●
	Heavy		3050 ± 10	200	1850	35	350	20	●
1 ½ "	Eco	48	3050 ± 10	180	1050	13	130	20	●
	Medium		3050 ± 10	200	1300	15	150	20	●
	Standard		3050 ± 10	200	1750	26	260	20	●
	Heavy		3050 ± 10	200	2475	35	350	15	●
2"	Eco	60	3050 ± 10	180	1100	9	90	15	●
	Medium		3050 ± 10	200	1600	18	130	15	●
	Med. Plus		3050 ± 10	200	1900	20	170	15	●
	Standard		3050 ± 10	200	2150	28	210	10	●
	Std. Plus		3050 ± 10	200	2650	30	240	10	●
	Heavy		3050 ± 10	200	3250	35	270	10	●
	Super heavy		3050 ± 10	250	3550	37	350	5	●
2 ½ "	Medium	75	3050 ± 10	200	2050	10	100	10	●
	Standard		3050 ± 10	200	2950	16	160	10	●
	Heavy		3050 ± 10	200	4250	26	260	5	●
	Super heavy		3050 ± 10	250	5450	35	350	5	●
3"	Medium	88	3050 ± 10	200	3050	11	110	5	●
	Standard		3050 ± 10	200	4250	17	170	5	●
	Heavy		3050 ± 10	200	6450	26	260	5	●
	Super heavy		3050 ± 10	250	7400	35	350	4	●
4"	Medium	113	3050 ± 10	200	4250	10	100	5	●
	Standard		3050 ± 10	200	6050	15	150	5	●
	Heavy		3050 ± 10	200	9750	26	260	3	●
	Super heavy		3050 ± 10	250	12200	35	350	2	●
5"	Standard	140	3050 ± 10	200	9650	16	160	2	●
	Heavy		3050 ± 10	250	14600	26	260	2	●



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