



Salient Features

- Strong** : **Sabarplast** Casing Pipes are manufactured from special uPVC compound having extra toughness.
- Corrosion Resistance** : Casing Pipes are totally immune to corrosion and offer good resistance to aggressive elements in the soil.
- Light in weight** : Casing Pipes are light in weight and hence transportation and installation becomes much easier.
- Quick and convenient Installation** : Casing Pipes are provided with good quality threaded joints, thus they can be easily assembled and installed.
- Non-Toxic** : The material of the pipe is non-toxic and hence does not impart any taste, odor or colour. It is free from bacteria and hence absolutely safe for carrying ground water.
- Non-Conductive** : uPVC is non-conductor of electricity which eliminates any electro chemical action with ground water which could cause encrustation of screens.
- Long lasting** : Being free from rusting, weathering and chemical action and due to good mechanical properties, casing pipe lasts for longtime.
- Economical** : uPVC Casing Pipes provide the best cost benefit ratio when compared to other materials.

Application

- Tubewell & Borewell
- Waste disposal & injection well
- Rain water harvesting application
- Agriculture vertical drainage well
- Domestic, industrial and mining wells

uPVC Casing Pipes



Plain Casing Pipes	
CS Pipe	Casing for shallow well, can be used for depth upto 80 Mtr.
CM Pipe	Casing for medium well, can be used for depth above 80 Mtr. and upto 250 Mtr.
CD Pipe	Casing for deep well, can be used for depth above 250 Mtr. and upto 450 Mtr.

Screen Pipes	
These pipes are available in Plain or Ribbed	
Plain Screen Pipes have transverse slots	
Ribbed Screen Pipes provided with V-shaped ribs on its exterior surface	
Fine slots are provided on pipes to prevent entry of small particles	

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ISO 9001:2015 COMPANY

Specification of Sabarplast uPVC Casing Pipe (DIN 4925 / IS 12818- Threaded Joint)

Shallow Well Casing Pipe (CS Type) (Suitable for Installation depth up to 80 Meter)

Nominal Diameter		Mean outer Diameter (MM)		Wall Thickness (MM)		Maximum Mean outer dia. over connection (MM)
MM	Inch	Min.	Max.	Min.	Max.	
*100	4.0	113.0	113.3	4.6	5.2	116
150	6.0	165.0	165.4	5.7	6.5	174
175	7.0	200.0	200.5	7.0	7.8	211
200	8.0	225.0	225.5	7.6	8.8	238
250	10.0	280.0	280.5	9.6	11.0	292
300	12.0	330.0	330.6	11.2	13.3	346

Medium Well Casing Pipe (CM Type) (Suitable for Installation depth up to 250 Meter)

Nominal Diameter		Mean outer Diameter (MM)		Wall Thickness (MM)		Maximum Mean outer dia. over connection (MM)
MM	Inch	Min.	Max.	Min.	Max.	
40	1.5	48.0	48.2	3.5	4.0	52
50	2.0	60.0	60.2	4.0	4.6	65
80	3.0	88.0	88.3	4.0	4.6	94
100	4.0	113.0	113.3	5.0	5.7	120
115	4.5	125.0	125.3	5.0	5.7	132
125	5.0	140.0	140.4	6.5	7.3	150
150	6.0	165.0	165.4	7.5	8.5	178
175	7.0	200.0	200.5	8.8	9.8	215
200	8.0	225.0	225.5	10.0	11.2	243
250	10.0	280.0	280.5	12.5	14.0	298
300	12.0	330.0	330.6	14.5	16.2	352

Deep Well Casing Pipe (CD Type) (Suitable for Installation depth up to 450 Meter)

Nominal Diameter		Mean outer Diameter (MM)		Wall Thickness (MM)		Maximum Mean outer dia. over connection (MM)
MM	Inch	Min.	Max.	Min.	Max.	
100	4.0	113.0	113.3	7.0	7.9	125
115	4.5	125.0	125.3	7.5	8.5	137
125	5.0	140.0	140.4	8.0	9.0	152
150	6.0	165.0	165.4	9.5	10.7	180
175	7.0	200.0	200.5	11.8	13.6	217
200	8.0	225.0	225.5	13.0	14.8	247
250	10.0	280.0	280.5	16.0	17.6	304
300	12.0	330.0	330.6	19.0	21.0	359

Colour : Blue

Available Pipe Length : 3.0, 4.0 & 5.8 Meter

Trapezoidal Thread Ref to DIN 4925 / IS 12818

* Not fall in ISI Standard

Specification of Sabarplast uPVC Screen Casing Pipe (DIN 4925 / IS 12818- Threaded Joint)

Screen open area in percent for Dia 50 to 300 mm

Nominal Diameter		Number of Slot N (Min)	$\Sigma a \pm 5\%$	Slot width (MM)							
MM	Inch			0.2	0.3	0.5	0.75	1.0	1.5	2.0	3.0
				Free passage area in percentage							
50	2	3	108	3.7	5.2	6.0	9.1	9.4	9.7	12.1	-
80	3	3	168	3.7	5.2	6.0	9.1	9.4	9.7	12.1	-
100	4	5	216	3.7	5.2	6.0	9.1	9.4	9.7	12.1	-
115	4.5	5	240	3.7	5.2	6.0	9.1	9.4	9.7	12.1	-
125	5	5	240	-	4.7	5.6	8.2	8.5	8.8	11.0	13.5
150	6	5	285	-	-	5.6	8.2	8.5	8.8	11.0	13.5
175	7	6	340	-	-	5.6	8.3	8.5	8.8	11.0	13.5
200	8	6	390	-	-	-	8.3	8.5	8.8	11.0	13.5
250	10	6	450	-	-	-	7.6	7.9	8.1	10.2	12.5
300	12	6	530	-	-	-	7.6	7.9	8.1	10.2	12.5
Slot pitch (MM)				4.0	4.0	5.5	5.5	6.8	9.5	9.5	11.0
Tolerance on width of slot (MM)				+0.06	+0.06	+0.10	+0.20	+0.20	+0.20	+0.20	+0.30
				-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00	-0.00

Screen Permeability for Dia 50 to 300 mm

Nominal Diameter		Slot width (MM)							
MM	Inch	0.2	0.3	0.5	0.75	1.0	1.5	2.0	3.0
		Permeability per Meter of Screen in LPS at V=3 cm /sec.							
50	2	0.18	0.25	0.29	0.44	0.45	0.46	0.58	0.67
80	3	0.27	0.39	0.45	0.68	0.70	0.72	0.90	1.04
100	4	0.35	0.5	0.57	0.87	0.9	0.93	1.16	1.34
115	4.5	0.40	0.56	0.64	0.97	1.01	1.04	1.30	1.50
125	5	-	0.56	0.66	0.97	1.00	1.04	1.30	1.59
150	6	-	-	0.78	1.15	1.19	1.23	1.54	1.89
175	7	-	-	0.93	1.38	1.41	1.46	1.82	2.24
200	8	-	-	-	1.59	1.62	1.68	2.10	2.58
250	10	-	-	-	1.81	1.88	1.93	2.42	2.97
300	12	-	-	-	2.13	2.22	2.27	2.86	3.51



- * Summation of slot given is for medium thickness screens. For heavy thickness screens, the summation of slot will be marginally less
- * The percentage of open area remains the same for both thicknesses.
- * N is the minimum number of slots on the circumference of the cross-section.

Product improvement is a continuous process at SABARPLAST. The data given in the publication is therefore subject to revision without notice.