

# ASTRAL<sup>®</sup> *AquaSAFE*



*uPVC PIPES FOR AGRICULTURE AND WATER TRANSPORT SYSTEM*



IS 7834  
CML-3800746

IS 4985  
CML-3805360

EASY  
TRANSPORTATION

EASY  
INSTALLATION

CHEMICAL  
RESISTANCE

LONGER  
SERVICE LIFE



**ASTRAL<sup>®</sup>**  
**PIPES**

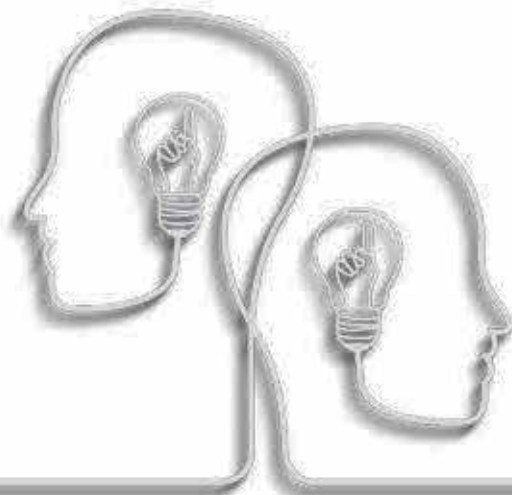


# Innovations & Recognitions

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Astral has been the first company to bring piping innovations in India

- First to introduce CPVC piping system in India (1999)
- First to launch lead free uPVC piping system in India (2004)
- Corp Excel- National SME Excellence Award (2006)
- First to get NSF Certification for CPVC piping system in India (2007)
- First to launch lead free uPVC column pipes in India (2012)
- Enterprising Entrepreneur of the year Award 2012-13
- Business Standard Star SME of the year Award (2013)
- Inc. India Innovative 100 for Smart Innovation under category of "Technology" (2013)
- India's Most Promising Brand Award (2014)
- Value Creator Award during the first ever Fortune India Next 500 (2015)
- India's Most Trusted Brand Award (2015)
- India's Most Trusted Pipe Brand Award (2016)
- ET Inspiring Business Leaders of India Award (2016)
- India's Most Attractive Pipe Brand Award (2016)







## About Astral

ASTRAL POLYTECHNIK LIMITED, introduced CPVC plumbing system for the first time in India in 1999 and changed the history of Indian Plumbing Industry. Today ASTRAL® is undoubtedly leader in CPVC plumbing system. ASTRAL® is known for innovative products and within 17 years of its existence, ASTRAL® has introduced many products that are ahead of the time, like CPVC fire sprinkler system, CPVC-AL-CPVC multi layer pipes, Foamcore multilayer pipes, Underground drainage system, Lead free Column Pipes for submersible pumps, uPVC piping system for soil, waste and rain water and click ring type uPVC drain waste and vent system.

ASTRAL® introduces "Aquasafe®" uPVC pipes and fittings for Agriculture & Water transport system. As known for its quality, reliability and trust worthiness, ASTRAL Aquasafe® Pressure system is the right choice for agriculture & water transport applications. More over ASTRAL Aquasafe® system can be used for non pressure drainage applications

Manufactured from state of the art machines and stringent quality checks, ASTRAL Aquasafe® assures 100% satisfaction for life time.



Plant  
Dholka, Gujarat

## THE SYSTEM:

ASTRAL Aquasafe® system offers wide range of uPVC pressure pipes and fittings. ASTRAL Aquasafe® uPVC pressure pipes are manufactured in accordance with IS 4985 covering complete range from 20mm to 400mm. They are available in pressure ratings of 2.5/4/6/10 and 16 kgf/cm<sup>2</sup> as defined in IS : 4985. The pipes are provided with plain socket and ringfit socket (elastomeric seal ring) ASTRAL Aquasafe® pipes and fittings can be joined together by ASTRAL uPVC solvent cement or elastomeric seal ring joints.

ASTRAL Aquasafe® fittings are manufactured as per IS 7834 as well as company's standards. Both pipes and fittings are grey in colour manufactured from uPVC raw material and hence they are corrosion free forever.

## APPLICATIONS:

ASTRAL Aquasafe® pipes and fittings are used for variety of applications like agriculture, irrigation, water supply, industrial process lines, swimming pools and fire fighting mains etc.

ASTRAL Aquasafe® pipes are superior to CI, GI, R.C.C., HDPE pipes and offers multiple advantages like light weight, easy and fast installation, excellent corrosion and chemical resistance, high flow rates, long life and economical.

## FEATURE

- Manufactured from quality raw material.
- Easy handling, transportation & installation.
- Excellent chemical resistance.
- Non conductive. • Longevity of life cycle.
- Ease of use. • Better flow for optimum yields.
- Selfit jointing ensures leak proof jointing system for optimum results.
- Manufactured on most sophisticated machines to ensure a superior product every time.
- High strength & durability.
- Non reactive with acidic and alkali substances in water. They are ideal for drain water discharge as well as most of the chemicals.
- UV stabilized and hence suitable for outdoor applications.
- Manufactured under highest quality standards which ensures reliability of the product.





## PHYSICAL PROPERTIES OF PVC MATERIALS

PROPERTY	PVC	ASTM NO.
<b>Mechanical Properties</b>		
Density	1.41 - 1.46 gm/cc	D 792
Tensile Strength (73 °F)	48 N/mm <sup>2</sup>	D 638
Flexural Strength (73 °F)	104 N/mm <sup>2</sup>	D 790
Compressive Strength (73 °F)	62 N/mm <sup>2</sup>	D 695
Izod Impact (Notched at 73 °F)	60 J/m	D 256
Hardness (Durometer D)	80 ± 3	
Hardness (Rockwell R)	110 -120	
Hydrostatic Design Stress	140.6 Kg/cm <sup>2</sup>	D 1598
Elongation at Break	50 - 80%	
Modulus of Elasticity in Tension (73 °F)	2500 N/mm <sup>2</sup>	D 638
<b>Thermal Properties</b>		
Coefficient of Linear Expansion	6.3x10 <sup>-5</sup> m/m/°K	D 696
Vicat Softening Temp.	80 °C	
Heat Deflection Temperature at 66 PSI	80 °C	D 648
Flame Resistance	Self extinguishing UPVC does not support combustion when the source of ignition is removed	
Limiting Oxygen Index	43%	D 2863
<b>Electrical Properties</b>		
Electrical Resistance	≥ 100 Ω	ASTM D876
Dielectric Strength	1100	ASTM D147
Dielectric Constant (60Hz 73 °F/-1°C)	3.7	ASTM D150

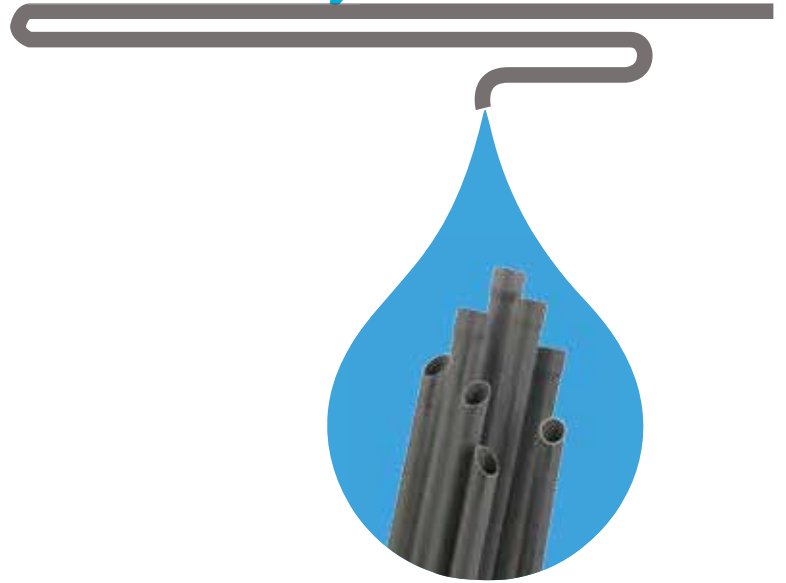
Above data is based upon information provided by the raw material manufacturers. It should be used only as a recommendation and not as a guarantee of performance.

**ASTRAL Aquasafe pipes and fittings are go through the stringent quality test from raw material to production and at the final product.**

- Test carried Out are as per IS 12235 Part - 1
- Dimension Test ( Dia., Wall Thickness )
- Reversion Test
- Density Test
- Opacity Test
- Hydrostatic Pressure Test
- Drop Impact Test
- Sulphated ASH Contain Test







## uPVC PRESSURE & NON PRESSURE PIPES CONFIRM TO IS 4985 : 2000

PRESSURE	20	25	32	40	50	63	75	90	110	140	160	180	200	225	250	315	400	
2.5 kgs/cm <sup>2</sup>								●	●	●	●	●	●	●	●	●	●	●
4 kgs/cm <sup>2</sup>						●	●	●	●	●	●	●	●	●	●	●	●	●
6 kgs/cm <sup>2</sup>				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
10 kgs/cm <sup>2</sup>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
16 kgs/cm <sup>2</sup>	●	●	●	●	●													

● Confirm to IS 4985 ● Does not confirm to IS 4985 - These pipes are for non pressure applications.

## AQUASAFE ELASTOMERIC SEALING RING PIPES

SOCKET	SIZE (mm)	PRESSURE	AVAILABLE
GR	63	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	75	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	90	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	110	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	140	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	160	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	180	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	200	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	225	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	250	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.
GR	315	4 / 6 / 10 kgf / cm <sup>2</sup>	3 / 5 / 6 mtr.



## uPVC AQUASAFE PIPE FOR AGRICULTURE AND WATER TRANSPORT SYSTEM

**Aquasafe Pipes - For Agriculture & Water Supply Conforming to IS 4985 : 2000**

3 METER PIPE		WORKING PRESSURE (Kg/cm <sup>2</sup> )				
SIZE		2.5 Kg.	4 Kg.	6 Kg.	10 Kg.	16 Kg.
mm	in.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
20	½	-	-	-	M081100301	M081160301
25	¾	-	-	-	M081100302	M081160302
32	1	-	-	-	M081100303	M081160303
40	1¼	-	-	M081060304	M081100304	M081160304
50	1½	-	-	M081060305	M081100305	M081160305
63	2	-	M081040306	M081060306	M081100306	-
75	2½	-	M081040307	M081060307	M081100307	-
90	3	M081250308	M081040308	M081060308	M081100308	-
110	4	M081250309	M081040309	M081060309	M081100309	-
140	5	M081250311	M081040311	M081060311	M081100311	-
160	6	M081250312	M081040312	M081060312	M081100312	-
180	7	M081250313	M081040313	M081060313	M081100313	-
200	8	M081250314	M081040314	M081060314	M081100314	-
225	9	M081250315	M081040315	M081060315	M081100315	-
250	10	M081250316	M081040316	M081060316	M081100316	-
280		M081250317	M081040317	M081060317	M081100317	-
315	12	M081250318	M081040318	M081060318	-	-
400	16	-	M081040320	M081060320	M081100320	-

5 METER PIPE		WORKING PRESSURE (Kg/cm <sup>2</sup> )				
SIZE		2.5 Kg.	4 Kg.	6 Kg.	10 Kg.	16 Kg.
mm	in.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
20	½	-	-	-	M081100501	M081160501
25	¾	-	-	-	M081100502	M081160502
32	1	-	-	-	M081100503	M081160503
40	1¼	-	-	M081060504	M081100504	M081160504
50	1½	-	-	M081060505	M081100505	M081160505
63	2	-	M081040506	M081060506	M081100506	-
75	2½	-	M081040507	M081060507	M081100507	-
90	3	M081250508	M081040508	M081060508	M081100508	-
110	4	M081250509	M081040509	M081060509	M081100509	-
140	5	M081250511	M081040511	M081060511	M081100511	-
160	6	M081250512	M081040512	M081060512	M081100512	-
180	7	M081250513	M081040513	M081060513	M081100513	-
200	8	M081250514	M081040514	M081060514	M081100514	-
225	9	M081250515	M081040515	M081060515	M081100515	-
250	10	M081250516	M081040516	M081060516	M081100516	-
280		M081250517	M081040517	M081060517	M081100517	-
315	12	M081250518	M081040518	M081060518	-	-
400	16	-	M081040520	M081060520	M081100520	-

6 METER PIPE		WORKING PRESSURE (Kg/cm <sup>2</sup> )				
SIZE		2.5 Kg.	4 Kg.	6 Kg.	10 Kg.	16 Kg.
mm	in.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.
20	½	-	-	-	M081100601	M081160601
25	¾	-	-	-	M081100602	M081160602
32	1	-	-	-	M081100603	M081160603
40	1¼	-	-	M081060604	M081100604	M081160604
50	1½	-	-	M081060605	M081100605	M081160605
63	2	-	M081040606	M081060606	M081100606	-
75	2½	-	M081040607	M081060607	M081100607	-
90	3	M081250608	M081040608	M081060608	M081100608	-
110	4	M081250609	M081040609	M081060609	M081100609	-
140	5	M081250611	M081040611	M081060611	M081100611	-
160	6	M081250612	M081040612	M081060612	M081100612	-
180	7	M081250613	M081040613	M081060613	M081100613	-
200	8	M081250614	M081040614	M081060614	M081100614	-
225	9	M081250615	M081040615	M081060615	M081100615	-
250	10	M081250616	M081040616	M081060616	M081100616	-
280		M081250617	M081040617	M081060617	M081100617	-
315	12	M081250618	M081040618	M081060618	-	-
400	16	-	M081040620	M081060620	M081100620	-





## ELASTOMERIC SEALING RING PIPE

### 5 METER PIPE

SIZE		WORKING PRESSURE (Kg/cm <sup>2</sup> )		
		4 Kg.	6 Kg.	10 Kg.
mm	in.	PART NO.	PART NO.	PART NO.
63	2			
75	2½			
90	3			
110	4	M261040509	M261060509	M261100509
140	5	M261040511	M261060511	M261100511
160	6	M261040512	M261060512	M261100512
180	7	M261040513	M261060513	M261100513
200	8	M261040514	M261060514	M261100514
225	9	M261040515	M261060615	M261100515
250	10	M261040516	M261060516	M261100516
280		M261040517		
315	12	M261040518		

### 6 METER PIPE

SIZE		WORKING PRESSURE (Kg/cm <sup>2</sup> )		
		4 Kg.	6 Kg.	10 Kg.
mm	in.	PART NO.	PART NO.	PART NO.
63	2			
75	2½			
90	3			
110	4	M261040609	M261060609	M261100609
140	5	M261040611	M261060611	M261100611
160	6	M261040612	M261060612	M261100612
180	7	M261040613	M261060613	M261100613
200	8	M261040614	M261060614	M261100614
225	9	M261040615	M261060615	M261100615
250	10	M261040616	M261060616	M261100616
280		M261040617		
315	12	M261040618		

## AQUASAFE FITTINGS

### Class 2 (4kgf/cm<sup>2</sup>)

SIZE (mm)	Part No.	Std. Pkg.
<b>TEE</b>		
63	M092040106	75
75	M092040107	60
90	M092040108	20
110	M092040109	25
160	M092040112	5
200	M092040114	-



SIZE (mm)	Part No.	Std. Pkg.
<b>ELBOW 90°</b>		
63	M092040506	100
75	M092040507	65
90	M092040508	20
110	M092040509	40
160	M092040512	-
200	M092040514	-



SIZE (mm)	Part No.	Std. Pkg.
<b>END CAP</b>		
110	M092042909	-



### Class 3 (6kgf/cm<sup>2</sup>)

SIZE (mm)	Part No.	Std. Pkg.
<b>TEE</b>		
40	M092060104	50
50	M092060105	30
63	M092060106	15
75	M092060107	60
90	M092060108	25
110	M092060109	20
140	M092060111	10
160	M092060112	5
200	M092060114	3



SIZE (mm)	Part No.	Std. Pkg.
<b>REDUCER TEE</b>		
110 x 63	M092060232	-
110 x 75	M092060229	24
160 x 75	M092060235	6
160 x 90	M092060272	6
160 x 110	M092060231	6



SIZE (mm)	Part No.	Std. Pkg.
<b>ELBOW 45°</b>		
40	M092062304	125
50	M092062305	50
63	M092062306	30



SIZE (mm)	Part No.	Std. Pkg.
<b>ELBOW 90°</b>		
40	M092060504	70
50	M092060505	45
63	M092060506	25
75	M092060507	60
90	M092060508	38
110	M092060509	20
140	M092060511	-
160	M092060512	8
200	M092060514	4



## AQUASAFE FITTINGS

### Class 3 (6kgf/cm<sup>2</sup>)

#### SIZE (mm) Part No. Std. Pkg.

##### MAPT

40	M092061304	120
50	M092061305	100
63	M092061306	50
75	M092061307	72
90	M092061308	45
110	M092061309	165
140	M092061311	18



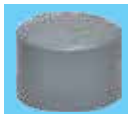
##### FAPT

40	M092061604	120
50	M092061605	100
63	M092061606	50
75	M092061607	72
90	M092061608	45
110	M092061609	110
140	M092061611	12



##### END CAP

40	M092062904	250
50	M092062905	100
63	M092062906	70
75	M092062907	144
90	M092062908	45
110	M092062909	48
140	M092062911	23
160	M092062912	24
200	M092062914	8



##### END CAP THREAD

63	M092064506	160
75	M092064507	72
90	M092064508	45
110	M092064509	64



##### DOOR CAP

50	M112004005	-
63	M112004006	-



##### SINGLE 'Y'

50	M092063805	25
63	M092063806	10



##### SINGLE 'Y' WITH DOOR

50	M092063905	20
63	M092063906	10



#### SIZE (mm) Part No. Std. Pkg.

##### COUPLER

40	M092061004	100
50	M092061005	70
63	M092061006	35
75	M092061007	-
90	M092061008	-
110	M092061009	-
140	M092061011	-
160	M092061012	-
200	M092061014	-



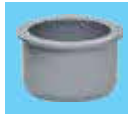
##### REDUCER COUPLER

75 x 50	M092061137	154
90 x 50	M092061162	80
90 x 63	M092061161	80
90 x 75	M092061130	80
110 x 63	M092061132	42
110 x 75	M092061129	48
110 x 90	M092061143	48
140 x 110	M092064060	20
160 x 110	M092061131	12
160 x 140	M092064159	12
200 x 160	M092064147	10



##### REDUCER BUSH (Spg x Soc)

50 x 40	M092061941	150
63 x 40	M092061940	70
63 x 50	M092061939	70
75 x 40	M092061938	50
75 x 50	M092061937	50
75 x 63	M092061936	50
90 x 50	M092061962	48
90 x 63	M092061961	48
90 x 75	M092061930	48
140 x 110	M092061960	12
160 x 110	M092061931	12
200 x 160	M092061947	8



##### FLANGE

63	M092063506	40
75	M092063507	40
90	M092063508	40
110	M092063509	40



##### FLANGE ADAPTER

63	M092063206	-
75	M092063207	-
90	M092063208	-
110	M092063209	-



#### SIZE (mm) Part No. Std. Pkg.

##### TAIL PIECE

63	M092064206	96
75	M092063607	60
90	M092063608	45
110	M092063609	24
140	M092063611	12
160	M092063612	20
200	M092063614	8



##### SERVICE SADDLE

63 x 20	M092064263	12
63 x 25	M092064264	12
63 x 32	M092064265	12
75 x 20	M092064266	12
75 x 25	M092064267	12
75 x 32	M092064268	12
90 x 20	M092064269	12
90 x 25	M092064270	12
90 x 32	M092064271	12
110 x 20	M092064273	-
110 x 25	M092064274	-
110 x 32	M092064275	-
140 x 20	M092064276	-
140 x 25	M092064277	-
140 x 32	M092064278	-
160 x 20	M092064279	-
160 x 25	M092064280	-
160 x 32	M092064281	-
200 x 25	-	-
200 x 32	M092064286	-
200 x 40	M092064287	-
200 x 50	M092064288	-
200 x 63	M092064289	-



## AQUASAFE FITTINGS

### Class 5 (10kgf/cm<sup>2</sup>)

#### SIZE (mm) Part No. Std. Pkg.

##### TEE

20	M092100101	-
25	M092100102	-
32	M092100103	-



##### ELBOW 90°

20	M092100501	-
25	M092100502	-
32	M092100503	-



##### ELBOW 45°

20	--	-
# 25	M092102302	-
32	M092102303	-



##### BRASS TEE

25 x 1/2	M062160369	-
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\* Shortly Introducing

#### SIZE (mm) Part No. Std. Pkg.

##### MAPT

20	M092101301	-
25	M092101302	-
32	M092101303	-



##### FAPT

20	M092101601	-
25	M092101602	-
32	M092101603	-



##### COUPLER

20	M092101001	-
25	M092101002	-
32	M092101003	-



##### BRASS ELBOW

25 x 1/2	M062160769	-
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#### SIZE (mm) Part No. Std. Pkg.

##### REDUCER COUPLER

25 x 20	M092101142	-
32 x 20	M092101157	-
32 x 25	M092101158	-



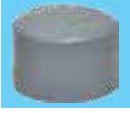
##### REDUCER BUSH

25 x 20	M092101942	-
32 x 20	M092101957	-
32 x 25	M092101958	-



##### END CAP

20	M092102901	-
25	M092102902	-
32	M092102903	-



##### BRASS COUPLING

25 x 1/2	M062161269	-
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## ADHESIVE SOLUTION

#### SIZE (ml) Part No. Std. Pkg.

##### IPS WELD-ON UPVC 100™ SOLVENT CEMENT

237 ml	M083080101	24
473 ml	M083080202	12
946 ml	M083080303	12



Always Use ASTRAL Aquasafe® Pipes With Fittings & For Joining Use ASTRAL uPVC Adhesive Solution

#### SIZE (gram) Part No. Std. Pkg.

##### RUBBER LUBRICANT

100 gm	STINS - 100	100
250 gm	STINS - 250	40
500 gm	STINS - 500	20



Rubber Lubricants are not Under Licence of IPS.





## FRICION LOSS CALCULATION

Flow of fluid through a pipe is resisted by viscous shear stresses within the fluid and the turbulence that occurs along the internal pipe wall, which is dependent on the roughness of the pipe material.

This resistance is termed pipe friction and is usually measured in feet or metres head of the fluid, which is why it is also referred to as the head loss due to pipe friction.

Overall head loss in a pipe is affected by a number of factors which include the viscosity of the fluid, the size of the internal pipe diameter, the internal roughness of the inner surface of the pipe, the change in elevation between the ends of the pipe and the length of the pipe along which the fluid travels.

Following Hazen William formula should be used for friction loss calculation.

Where

hf : Head loss in m

L : Length of pipe section in m

Q : Discharge in liters / sec

D : Internal diameter of pipe in mm

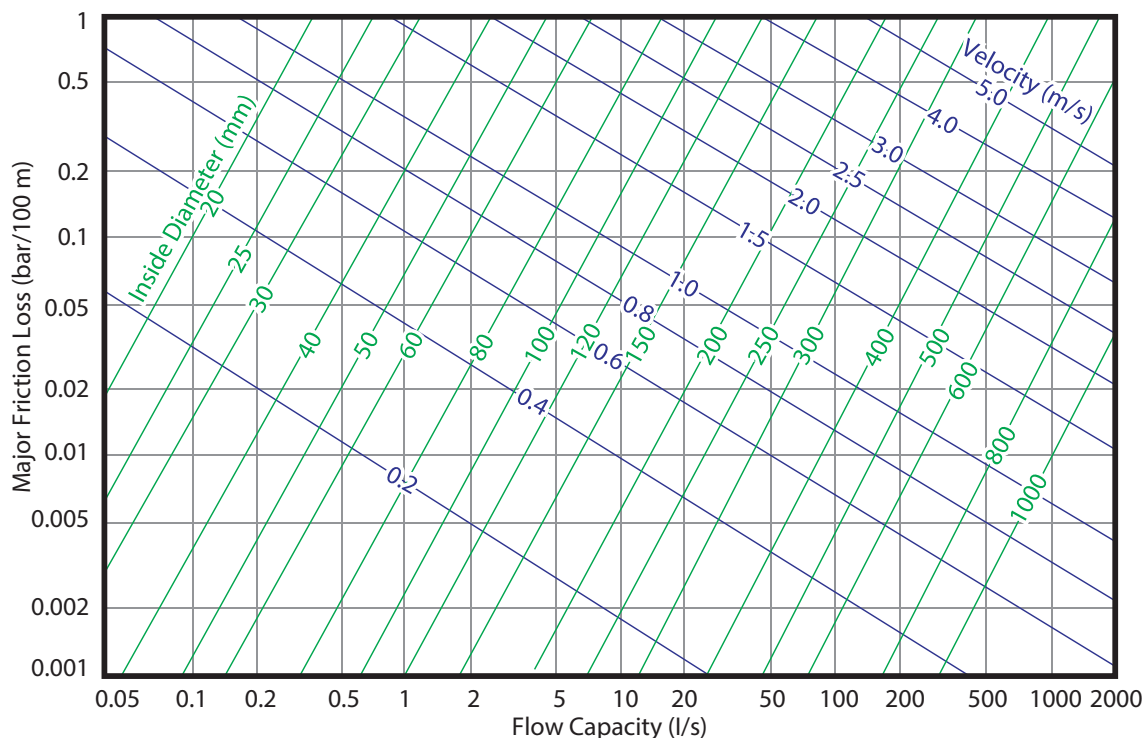
C : Hazen William constant 150

(For design purpose consider 140)

$$\frac{hf}{L} = \frac{1.213 \times 10^{10} \times Q^{1.852}}{D^{4.87} \times C^{1.852}}$$



**Flow diagram of ASTRAL Upvc pipes**  
(based on Hazen Williams formula)



**Note :** Above graph is the schematic representation of friction loss for specific value of friction loss use Hazen williams formula





**1. CUT PIPE:** Cut pipe square. As joints are sealed at the base of the fitting socket. An angled cut may result in joint failure.



**2. REMOVE BURR AND BEVEL:** Remove all burr from inside and outside of pipe with a knife-edge file, or deburring tool. Chamfer (bevel) the end of the pipe 10° -15°

**CLEAN:** Remove surface dirt, grease, or moisture with a clean dry cloth.



**3. INSERT PIPE:** Insert the pipe in to the socket without the seal ring and mark along the pipe, when it is fully inserted.



**4. FIX RUBBER RING:** Fix the rubber ring in the groove without twisting it.



**5. APPLY LUBRICANT:** Apply joining lubricant to the chamfered end of the pipe & on rubber ring up to the mark made on spigot or to the socket end of fitting.

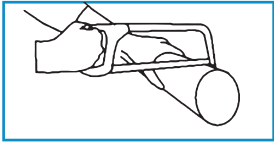


**6. JOIN PIPE AND FITTINGS:** Push the pipe firmly into the socket till the gap between the mark on the spigot and the socket is about 10 mm to allow thermal expansion.

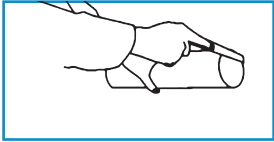


“While laying big pipelines, provision should be made for expansion joints, airvents and proper anchorage.”



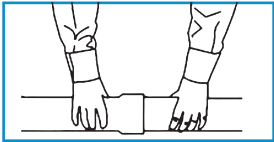


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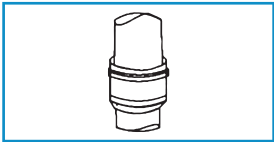
**CLEAN:** Remove surface dirt, grease, or moisture with a clean dry cloth.



**DRY FIT:** With light pressure, pipe should go one third to one half of the way into the fitting socket. Pipes and fittings that are too tight or too loose should not be used.



**APPLY SOLVENT CEMENT:** Apply a full even layer of cement to the outside of a pipe and medium layer of cement to the inside of a fitting.



**JOIN PIPE AND FITTINGS:** Assemble pipe and fitting socket till it contacts socket bottom. Hold pipe and fitting together until the pipe does not back out. Remove excessive cement from the exterior. A perfect made joint will show a continuous bead of cement around the perimeter.



- Quality of solvent cement plays an important role and hence it is recommended to use good quality solvent cement only.
- For large diameter and higher class pipes (6 Kg/cm<sup>2</sup> and above) always use heavy duty solvent cement.
- Very old, hard, semi-fluid solvent cement should not be used.



## HANDLING

The pipe should be handled with reasonable care. Because thermoplastic pipe is much lighter in weight than metal pipe. There is sometimes a tendency to throw it around. This should be avoided.

The pipe should never be dragged or pushed from a truck bed. Pallets for pipe should be removed with a fork lift. Loose pipe can be rolled down timbers, as long as the pieces do not fall on each other or on any hard or uneven surface. In all cases, severe contact with any sharp objects (rocks, angle irons, forks on forklifts, etc.) should be avoided.

## STORAGE

If possible, pipe should be stored inside. When this is not possible, the pipe should be stored on level ground which is dry and free from sharp objects. If different schedules of pipes are stacked together, the pipe with the thickest walls should be at the bottom.

The pipe should be protected from the sun and be in an area with proper ventilation. This will lessen the effects of ultraviolet rays and help prevent heat built-up.

If the pipe is stored in racks, it should be continuously supported along its length. If this is not possible, the spacing of the supports should not exceed three feet (3').

When storage temperatures are below 0°C (32°F), extra care should be taken when handling the pipe. This will help prevent any problems which could be caused by the slightly lower impact strength of uPVC pipe at temperature below freezing.







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 Please get in touch with us between 10 a.m. to 6 p.m.

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