

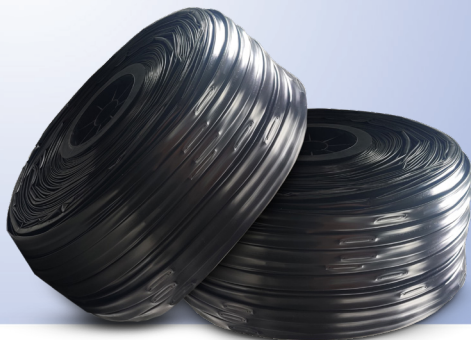


CELEBRATING  
**25** YEARS  
OF TRUST &  
INNOVATION

**DROPLET**™



## **DRIP IRRIGATION PIPE SYSTEM**



### INTRODUCTION

Established in 1996 with the aim to manufacture best-in-globe plastic piping systems, Astral Pipes fulfils emerging piping needs of millions of houses and adds extra mileage to India's developing real estate fraternity with the hallmark of unbeaten quality and innovative piping solutions. Keeping itself ahead of the technology curve, Astral has always been a front runner in the piping category by bringing innovation and getting rid of old, primitive and ineffective plumbing methods. Bringing CPVC in India, and pioneering in this technology, have set Astral apart and its highest quality enabled it to obtain NSF approval for its CPVC pipes and fittings. Astral went beyond the category codes by launching many industry firsts, like launching India's first lead-free uPVC pipes for plumbing as well as for stream water, just to name a few.

Astral Pipes offers the widest product range across this category when it comes to product applications. Astral Pipes is equipped with production facilities at Santej and Dholka in Gujarat, Hosur in Tamil Nadu, Ghiloth in Rajasthan, Sangli & Aurangabad in Maharashtra, and Sitarganj in Uttarakhand to manufacture plumbing systems, drainage systems, agriculture systems, fire sprinkler piping systems, industrial piping, electrical conduct pipes and water tanks with all kinds of necessary fittings.

### IRRIGATION EQUIPMENT-EMITTING PIPE

manufactured as per IS:13488 as well as company standard and available in different sizes and types.

- These pipes offer multiple advantages like light weight, easy and fast installation, accurate flow rates, long life and economy
- Emitting pipes & their fittings are having resistance to fertilizers & chemicals commonly employed in irrigation, & shall be suitable for use at water temperature up to 45°C-50°C
- Emitting pipes & their fittings are pipes are manufactured under highest quality standards which ensure reliability of the product

### PRODUCT RANGE

Size (cm)	Size (mm)	Emission Rate(LPH)	Space (cm)	Length (metre)	Thickness (mm)	Type	Product code
1.6	16	4	30	1000	0.2	Unregulated	M71120341002
1.6	16	4	40	1000	0.2		M71120441002
1.6	16	4	30	500	0.4		M71140340502
1.6	16	4	40	500	0.4		M71140440502

### STANDARD

IS:13488



Only those products bearing the above mark are certified

## FIELDS OF APPLICATION

- Used for variety of applications like agriculture and irrigation. Astral Droplet is widely used & suitable in all kind of vegetables, cotton, sugarcane, turmeric, banana and other fruits
- Emitting pipes & their fittings are UV stabilized, hence suitable for outdoor applications
- Emitting pipes & their fittings do not support the growth of algae & bacteria

## PRODUCT SPECIFICATIONS

### ISI

- 12-4-2-30 to 50-B Unregulated
- 16-4-2-30 to 50-B Unregulated

### As per company standard

- 16-4-30 to 60 Unregulated 0.2mm Thickness
- 16-4-30 to 60 Unregulated 0.3mm Thickness

Dimensions of Polyethylene Emitting Pipes as per ISI

Nominal Diameter	Inside Diameter	Wall Thickness
		Class 2 (0.125 MPa)
12	10.50	0.6 to 0.7
16	14.20	0.7 to 0.9

For instance if we consider 16-4-2-30 to 50-B as a reference then,

16 - Pipe Size (mm)

4 - Emission Rate (LPH)

2 - Class (as per IS:13488)

30 to 50 - Spacing (cm)

B - Uniformity Category

All Dimensions are in mm

**Note:** The wall thickness of pipes are based on safe working stress of 2.5 MPa at 20°C. Occasional rise in temperature has no deleterious effect on the life & working pressure of the pipe.

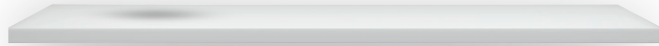
## FEATURES & BENEFITS

- Manufactured from Quality Raw Material
- Easy Handling, Transportation & Installation
- Chemical Resistance
- Longevity
- Ease of Use
- Better Flow for Optimum Yields
- High Strength and Durability
- UV Stabilized

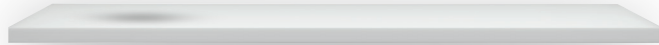




*A consumer validated  
Superbrand in piping  
category for  
consecutive 4 years*



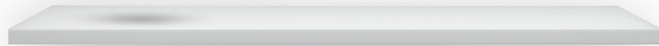
*India's Most Trusted  
Pipe Brand based on  
TRA's Brand Trust  
Report for the 5<sup>th</sup> time*



**Power of Desire**



*India's Most Desired  
Brand based on  
TRA's Brand Trust  
Report 2022*



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1800 233 7957**

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10 AM to 6 PM between Monday to Friday  
and the last Saturday of the month.  
We will remain closed on Public Holidays.



**Astral Limited**  
CIN: L25200GJ1996PLC029134  
**Registered & Corporate Office:**  
207/1, 'Astral House', B/h Rajpath Club, off S. G. Highway,  
Ahmedabad - 380059, Gujarat, India.  
P: +91 79 6621 2000 | F: +91 79 6621 2121  
E: sales@astraltd.com | W: astraltd.com

Authorised Dealer:



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