

## AQUA STAR RAIN SYSTEM. INDIA

	Aqua Star Delta	Aqua Star Excel	Aqua Star Maxximo
Standard Width	160 mm	220 mm	320 mm
Standard Length	3 meter & 5 meter	3 meter & 5 meter	3 meter
Standard Depth	110 mm	160 mm	200 mm
Standard Outlet	75 mm	110 mm	140 mm
Holding Capacity	16 Ltr/Mtr	20 Ltr/Mtr	50 Ltr/Mtr
Thickness	2.3 mm	2.5 mm	3.2 mm
Standard Colours	<div> <div>Ivory</div> <div>Brick Red</div> <div>Blue</div> <div>Grey</div> </div>	<div> <div>Ivory</div> </div>	<div> <div>Ivory</div> </div>
Material	uPVC (Unplasticized Poly Vinyl Chloride)		

**PONNORE**  
enterprises LLP

Velappaya Road Jn., M.G. Kavu P.O., Thrissur - 680 501,  
Ph: 0487 -2201181. Branches: Tamilnadu & Andhra Pradesh



Customer Care:  
**9446 001212**  
[www.aquarain.in](http://www.aquarain.in)

INDIA'S First  
uPVC CORRUGATED SQUARE  
RAIN WATER GUTTER SYSTEM

DESIGN PATENT NUMBER : 268478



**AquaStar**  
Water for life

[www.aquarain.in](http://www.aquarain.in)



**SUITABLE FOR ALL KIND OF SLOPED ROOFS**

# AQUA STAR

AQUA STAR is a venture of Ponnore Group, having more than 25 years of experience and expertise in the field of PVC pipes and fittings. Developing and manufacturing various pvc products for domestic and commercial use, Our latest innovative product is “Aqua star” uPVC rainwater harvesting system (Rain gutters and fittings) which is a patented product. We streamline the rainwater harvesting and tertiary system. Our expertise translates to cost effective installation and maintenance is for house hold, Commercial or industrial use. Our endeavours help make an effective stop to rainwater wastage and lead to water conservation and ecological balance. Our goal is to offer the customers highest quality products by ensuring Total Quality Management,in addition our company is ISO certified.

## WHY CHOOSE AQUA STAR

Aqua Star Rain Harvest System	Round Gutters	Metal /Ordinary system
uPVC Corrugated Square shape gutters/Pathy	Semi circle shape gutters	Metal plain square shape gutters
Corrugation gives more strength	Weak because of Half – cut pipe	It is made of light gage sheetthat gives lower strength
Large size of outlets enables easy flow of water	Over flow through 6 inch pipe piece and waste get blocked in small outlet	Smaller outlet that blocks water/leaves and welded joints
Special beading on both sides makes it stronger to last long	Flexible pipe pieces and no beading for strength	No beading for strength, which resulting in short life span
Non corrosive and rusting, clamps are made by uPVC	Metal clamps get rusted	Metal clamps and gutter get rust during rain, corrodes fast which leads to attack by weeds, mosses and fungus
Designed and manufactured specially for Rainwater Harvesting	Cut pipes and it is a make shift system, it made for other purposes	Make –shift system, steel manufactures using this for other purposes also
No leakage,as the gutter suits the inner grooves of the fitting which is tailor made of upvc for the system	Uses Pipe pieces and non-uniform shaped plastic fittings	Uses folded sheets and this system have no fittings
Easy to handle and install	Difficulty in handling	Difficulty in handling
10 year warranty provided	No warranty	No warranty

## AQUA STAR DELTA

This structure is 160 mm in (6 inch) width. This is used majorly in areas upto 1000 square feet. The side beading of the gutter ensures strength and durability. Apart from this, It is designed to hold the inner clamp (uPVC/Stainless steel) which gives an additional aesthetic look. As the outlet of the gutter is 75 mm, The fitting material used to join the gutter have special sockets so that it can be fitted easily. The clamps used to affix the gutter and accompanying material are also made of uPVC.



GUTTER



RUNNER



RUNNER DROP



ELBOW



ELBOW DROP



STOP END



INNER BRACKET  
PVC



STOP  
END DROP



ELBOW 45°



ELBOW 45°  
DROP



uPVC BRACKET WITH  
STEEL EXTENSION



LEAF GUARD



RUNNER NANO



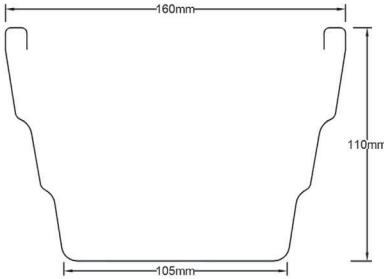
STOP END NANO



STEEL CLAMP  
GI 160MM

### SPECIFICATIONS

- Standard Width : 160mm  
Standard Length : 3 meter & 5 meter  
Standard Depth : 110mm  
Standard Outlet : 75 mm  
Capacity : 16 Ltr/Mtr  
Standard Colours :  Ivory  
 Brick Red  
 Blue  
 Grey



## AQUA STAR EXCEL

This system can handle the heaviest of showers. The structure is 220 mm in (8inch) width and 2 inches of extra height is provided in the front to avoid overflow and sagging even during heavy showers. The side beading of the gutter ensures strength and durability. As the outlet of the gutter is 110 mm, The fitting material used to join the gutter has special sockets so that they can be fitted easily. The clamps used to affix the gutter and accompanying material are also made of uPVC



GUTTER



RUNNER



RUNNER DROP



ELBOW



ELBOW DROP



INNER ELBOW



INNER ELBOW DROP



STOP END



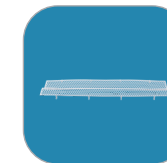
STOP END DROP



uPVC BRACKET




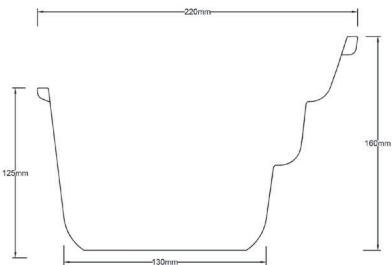
GI CLAMP



LEAF GUARD

### SPECIFICATIONS

Standard Width	: 220mm
Standard Length	: 3 meter & 5 meter
Standard Depth	: 160mm
Standard Outlet	: 110mm
Capacity	: 20 Ltr/Mtr
Standard Colours	:  Ivory



## AQUA STAR MAXXIMO

This structure is 320mm in (12inch) width. It is best suitable in catchment area which more than 5000 square feet and is specially designed for heavy roofs, especially for industrial 50 litter water/ meter. The side beading of the gutter ensures strength and durability. Apart from this, it's corrugated design gives an additional aesthetic look and strength. it holds up to 5.0 litter/water. As the outlet of the gutter is 140 mm,



GUTTER



RUNNER



RUNNER DROP



STOP END



STOP END DROP




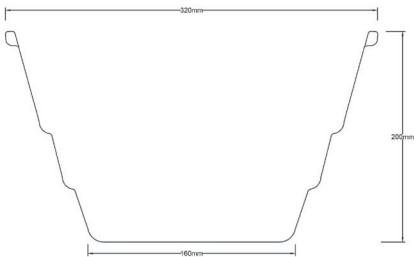
GI CLAMP



uPVC BRACKET

### SPECIFICATIONS

Standard Width	: 320mm
Standard Length	: 3 meter
Standard Depth	: 200mm
Standard Outlet	: 140mm
Capacity	: 50 Ltr/Mtr
Standard Colours	:  Ivory





## ACCESSORIES



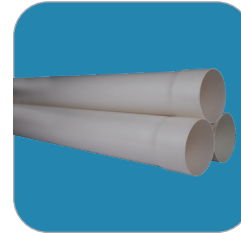
RAIN WATER  
CHAMBER



ATOM- UNDERGROUND  
WATER TANK (2000 LITRE)



UNDERGROUND  
SOAK AWAY



PIPE



ELBOW SOCKET 90°



45° ELBOW BEND



PIPE REDUCER



PIPE COUPLER

## RECOMMENDATIONS

- Every meter one bracket/clamp
- Drop at 5 meter atleast
- Use Silicon sealant at the joints
- Maintain slope level

## RAINWATER HARVESTING (RWH)

