



AGS IRRIGATION

**AGS IRRIGATION
PRODUCT CATALOGUE**

AGS has been in this field for 40 years. It was established 1983 with clear Goal on Providing extend quality and reliability of product and modernized Agriculture and Irrigation Equipment to the Market.

AGS Irrigation calls for a Green Revolution. Though the green sounds age old, it is as modern as modern can get. Because, we develop, design, manufacture and implement effective models through products that are ISI marked and technologically advanced.

All the products are manufactured with the Bureau of Indian Standards specification of Bureau Of Indian Standards

APPROVED BY:



IS 12786/ 1989

IS 13487/ 1992

IS 13488/ 2008

IS 17425/ 2020

IS 4985/ 2021

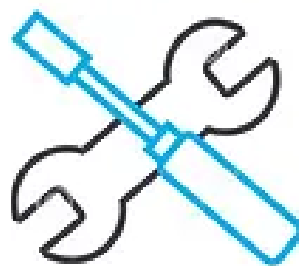


AGS provides complete solution for Residential, Landscape, Horticulture and Agricultural Irrigation. Our expert groups work on the irrigation layout of every farm according to the local requirements and conditions to give the best irrigation solution and cultivation AGS products are ISI marked ensuring quality of investment.

AGS Irrigation has extended its services to farmers with 100% free subsidy under various tamilnadu government schemes for past 20 years and still continues to serve all your irrigation need.

We Extend Our Service To "Happy Farmers"

Our Services as



consultation Irrigation system Installation Maintenance



UPVC PIPES



Channeling proper pipeline direction becomes easier with the usage of PVC pipes. They are easy to maintain, cheaper and the entire drip irrigation pipeline system can be installed using the UPVC pipes.

SIZE		CLASS	KG	STANDARD
MM	INCH			
40	1 (1/4")	III	6	ISI 4985
50	1 (1/2")	III	6	ISI 4985
63	2"	II,III	4,6	ISI 4985
75	2(1/2")	II,III	4,6	ISI 4985
90	3"	II,III	4,6	ISI 4985
110	4"	II,III	4,6	ISI 4985
140	5"	II,III	4,6	ISI 4985
160	6"	V	10	ISI 4985

PVC OTHER FITTINGS



ELBOW



TEE



FTA/MTA



COUPLER



END CUP





HDPE SPRINKLER PIPE



Sprinkler pipes are used to sprinkle water and fertilizers effectively. These are UV-tested pipes that require very little maintenance effort from the farmers.

SIZE		CLASS	KG	STANDARD
MM	INCH			
63	2"	II	3.2	ISI 14151
63	2"	III	4	ISI 14151
75	2 1/2"	I	2.5	ISI 14151
75	2 1/2"	III	4	ISI 14151
90	3"	I	2.5	ISI 14151
90	3"	III	4	ISI 14151

HDPE OTHER FITTINGS



ELBOW



TEE



END CUP



SADDLE



PCN





HDPE PIPES

SIZE VARIANTS



- *6 MM HDPE*
- *9 MM HDPE*
- *12 MM HDPE*
- *15 MM HDPE*
- *16 MM HDPE*
- *20 MM HDPE*

HDPE pipe is a type of flexible plastic pipe used for fluid and gas transfer and is often used to replace ageing concrete or steel mains pipelines.





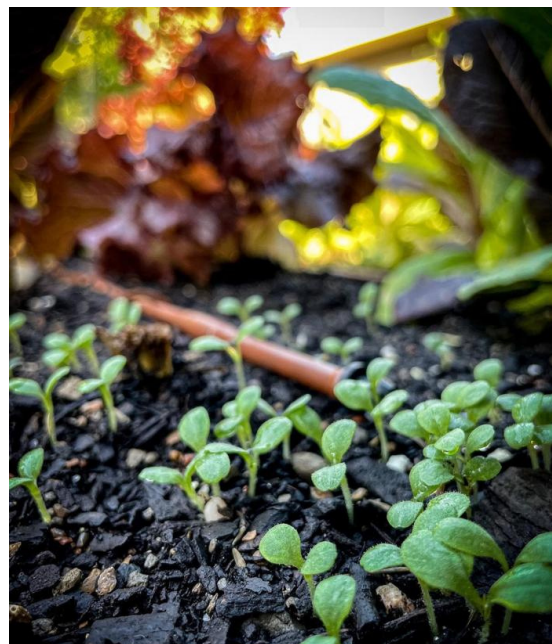
LLDPE ONLINE LATERAL

SIZE VARIANTS



- *12MM LLDPE*
- *16MM LLDPE*
- *20MM LLDPE*

Online laterals are suitable for crops that are spaced in an uneven or grouped manner. They are resistant to acidic and alkaline impurities. This increases the lifespan of the irrigation system.





LLDPE INLINE LATERAL



SIZE VARIANT

- ***30 CM EMITTERS***
- ***40 CM EMITTERS***
- ***50 CM EMITTERS***
- ***60 CM EMITTERS***

Inline lateral ensures delivering proper discharge to the emitters and Irrigating the crops that are equidistant. Farmers use it for various purposes such as gardening, injecting water to the sprinklers, and channels for the dripper emitters





LLDPE MICRO TUBE



SIZE VARIANTS

- *3 MM MICROTUBE*
- *4 MM MICROTUBE*
- *5 MM MICROTUBE*
- *6 MM MICROTUBE*
- *8 MM MICROTUBE*

A drip tube with a smaller diameter is very useful in extending the main drip line especially in roof-top drip irrigation systems.





LATERAL PIPE FITTINGS



16MM ADOPTER

A drip tube with a smaller diameter is very useful in extending the main drip line especially in roof-top drip irrigation systems.



TEE

Tee fitting is a very important fitting used in establishing a dissection from the source flow.

SPECIFICATION:

6MM TEE

12MM TEE



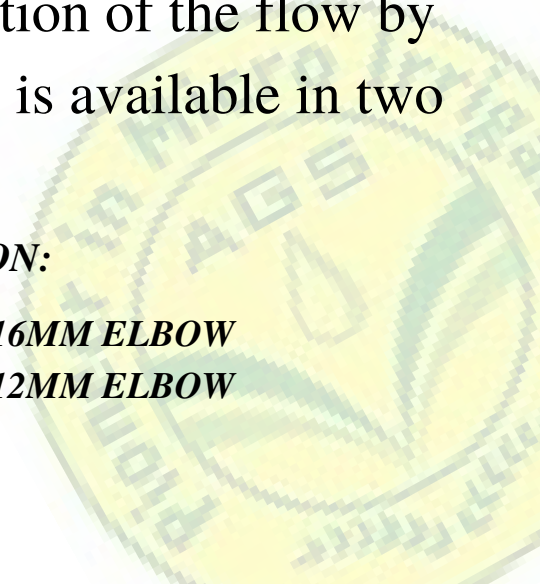
ELBOW

Elbow is mainly used to change the direction of the flow by 90 degrees. This is available in two sizes viz.

SPECIFICATION:

16MM ELBOW

12MM ELBOW





LATERAL PIPE FITTINGS

CONNECTOR



These connectors are specifically designed to join low-density pipes together.

SPECIFICATION:

16MM CONNECTOR

12MM CONNECTOR

16MM TEE TAP



A tee tap the most common pipe fitting, combines or divides fluid flow. Tees can connect pipes of different diameters, change the direction of a pipe run, or both.

16MM TAP

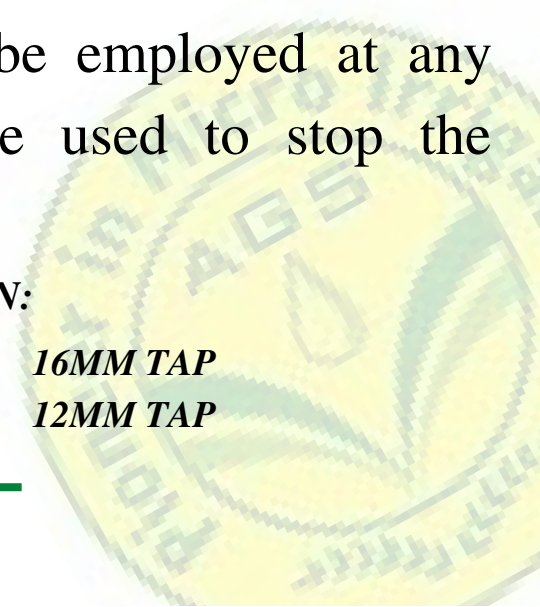


Taps provide additional manual operation and control to the flow of water. This can be employed at any stage and can be used to stop the reverse flow .

SPECIFICATION:

16MM TAP

12MM TAP





STRAIGHT END CUP



The straight ends are used to flush the lines at the end of the harvest and also during maintenance.

SPECIFICATION:

16MM END CUP

12MM END CUP

8 MODEL END CUP



Endcap plays a key role in closing the ends of the mainline, sub-main systems, and laterals systems.

SPECIFICATION:

16MM END CUP

12MM END CUP

GTO WITH WASHER

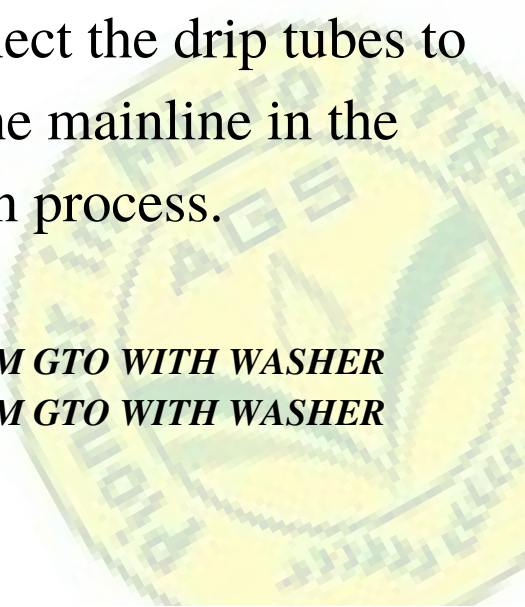


This device is used to connect the drip tubes and also connect the drip tubes to control valves or the mainline in the irrigation process.

SPECIFICATION:

16MM GTO WITH WASHER

12MM GTO WITH WASHER





16MM X 12MM TEE REDUCER



Reducer Tees has functionality very much similar to the Tee joints differing in the fact that the bi-directional flow is variable due to the change in the diameter of the two output channels.

DUMMY WASHER

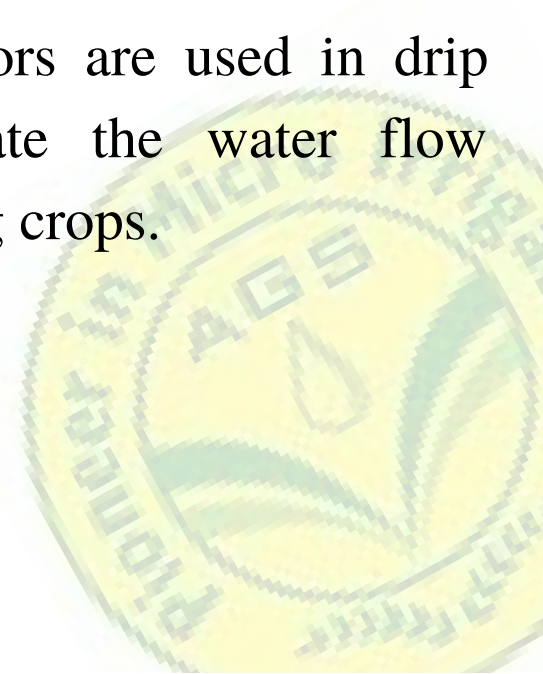


In the case of dripper irrigation, lots of holes are cast according to the needs of the crops.

6MM MICRO CONNECTOR



Microconnectors are used in drip irrigation to facilitate the water flow better while irrigating crops.





16MM X 12MM REDUCER



A pipe reducer is a pipe fitting that connects a larger pipe to a smaller pipe. Thus, it reduces the size of the pipe in the pipe system from one size to another. Pipe reducers may frequently be used to connect pipes of different sizes.





DRIPPER(4,8 LPH)



Drippers carry the water to the roots of the crops. The average discharge of water through the dripper is 8,4 litres per hours .

6MM TAP

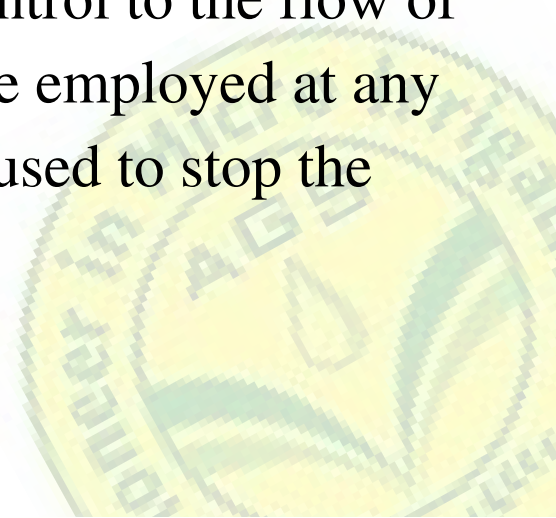


Taps provide additional manual operation and control to the flow of water. This can be employed at any stage and can be used to stop the reverse flow.

16MM TAP



Taps provide additional manual operation and control to the flow of water. This can be employed at any stage and can be used to stop the reverse flow.





MIST (6MM)

MIST is a high-pressure sprinkler system which when used with a water pump, lifts and transfers the flow to all the pipelines.



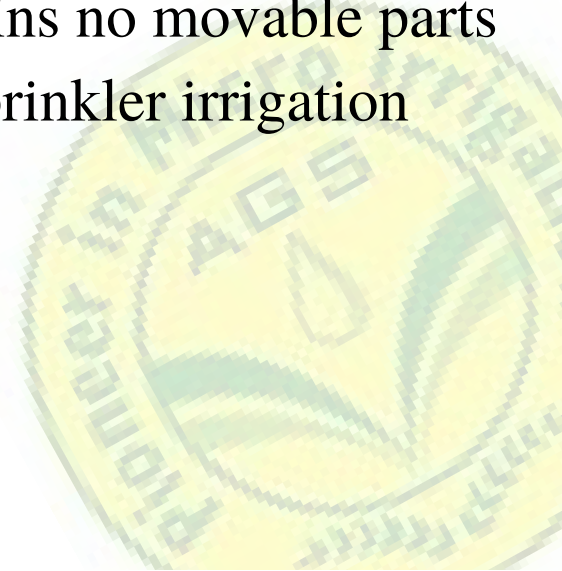
YELLOW JET (6MM)

These are nozzle-type sprinklers attached to the flow system to increase the flow of the liquid at an enormous rate.



RAY JET (6MM)

A ray jet sprayer is a spraying system that contains no movable parts to provide a jet sprinkler irrigation system.





ONESIDE JET (6MM)

The most important aspect of jet-type impulse sprinklers is the regulated and streamlined flow of the water.



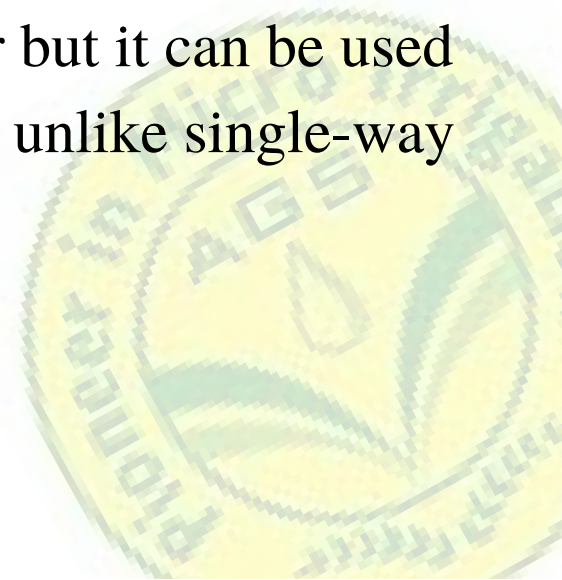
SINGLE WAY FOGGER

Foggers reduce the temperature and increase the humidity by pouring small droplets of water to the crops and hence provide uniform coverage of water.



FOUR WAY FOGGER

A four-way fogger works like a single-way fogger but it can be used in four directions, unlike single-way foggers.





MICROSPRINKLER (6MM)

Micro sprinkler uses jet type and has a perfect uniform distribution of water. It can be hung to a wire or a post or can be attached to the ground.



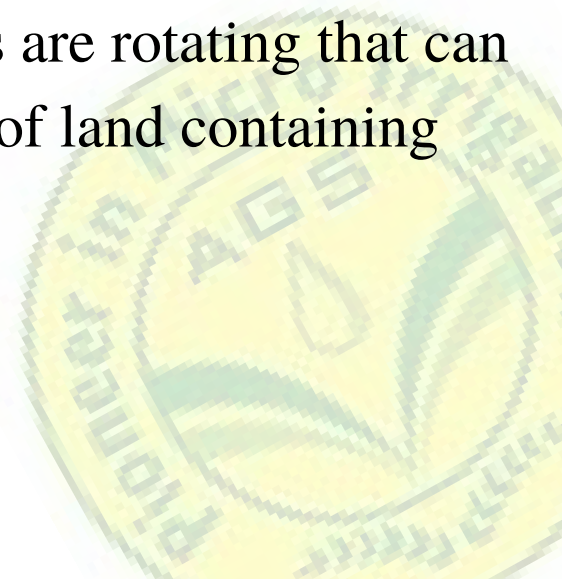
BUTTERFLY/MINI SPRINKLER

Male threaded butterfly valve operated sprinkler has a male adapter to fit into the required system of pipes.



BUTTERFLY/MAXI SPRINKLER

Maxi sprinklers are rotating that can irrigate a vast area of land containing plants.





IMPACT PVC PLASTIC



SIZE VARIANTS

- SPRINKLER(3/4") LARGE
- SPRINKLER(1/2") SMALL

This impact PVC sprinkler comes with a spreader nozzle which is very much suitable for shorter range water coverage.



BRASS SPRINKLER (3/4")

Brass sprinkler's operation is like the PVC impact sprinkler system, but the increased diameter of 3/4" provides a wider area of the outlet flow.





RAINGUN

SIZE VARIANTS

- *RAINGUN-1 1/4"*
- *RAINGUN-1 1/2"*



Rain gun is a high-performance micro-irrigation device. It is very useful for high-flow water throw applications.

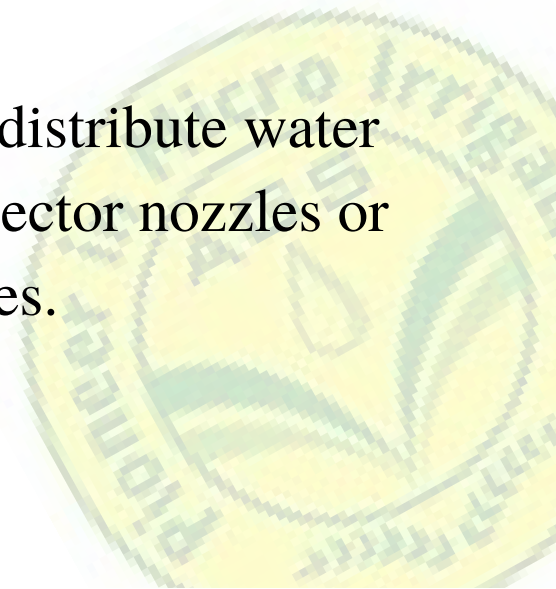
POPUP SPRINKLER

SIZE VARIANTS

- *15 VAN POPUP*
- *18 VAN POPUP*
- *3500 SERIES*
- *5000 SERIES*



The pop-up sprinkler is used to distribute water evenly. It comes with variable arc sector nozzles or with fixed spray nozzles.





GI RISER PIPE

SIZE VARIANTS

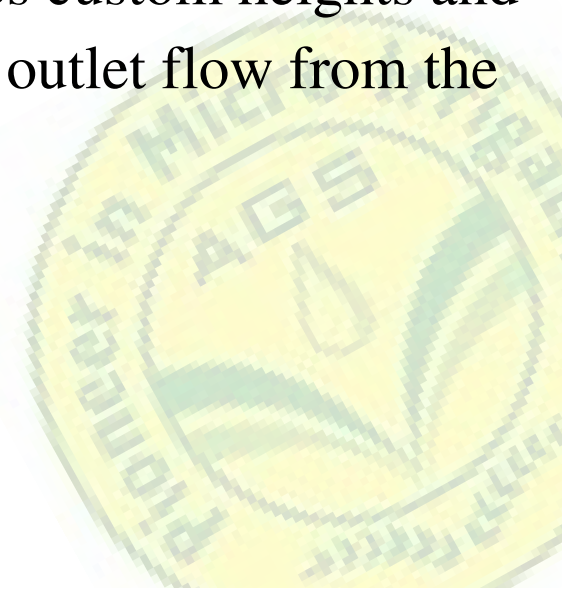
- GI RISER PIPE-3/4"
- GI RISER PIPE-1/2"

Galvanized Iron pipes are best suitable for the non-flexible housing pipes used in irrigation. They cannot be easily broken and hence can last for long period.

TRIPOD STAND



A Tripod stand is a device on which the rain gun is mounted. The Tripod stand gives custom heights and arc radius for the outlet flow from the rain gun.





MICROTUBE STAND



SIZE VARIANTS

- ***4MM STAND***
- ***6MM STAND***

Stands are used to house the microtubes which are fragile in nature. These provide proper housing and safety for the tubes which are laid.





DRILL BIT (STEEL HANDLE)



SIZE VARIANTS

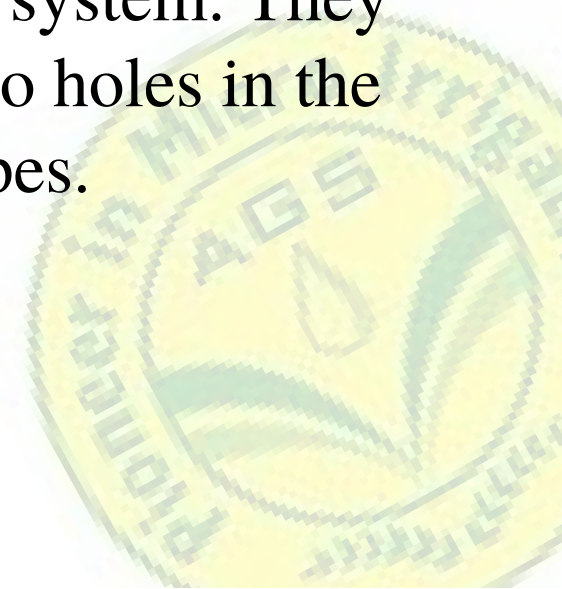
- *12MM DRILL BIT*
- *16MM DRILL BIT*

The irrigation drill bits are used in setting up the irrigation system. They are used to drill holes in the pipes.

S PUNCH



The irrigation S punch are used in setting up the irrigation system. They are used to holes in the lateral pipes.





FLUSH VALVE



SIZE VARIANT

- *63 MM VALVE*
- *75 MM VALVE*
- *90 MM VALVE*
- *110 MM VALVE*

The sole purpose of the flush valve is to remove the water and dirt. Now farmers don't have to worry about the collected dirt.

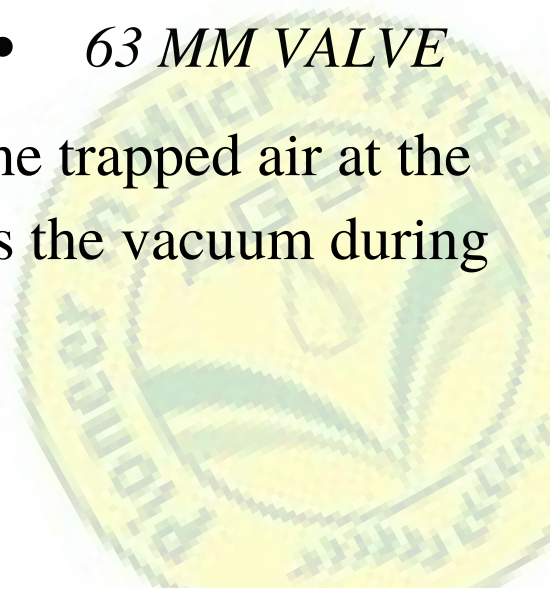
AIR RELEASE VALVE



SIZE VARIANT

- *40 MM VALVE*
- *50 MM VALVE*
- *63 MM VALVE*

The Air-release valve removes the trapped air at the starting phase of the system and shunts the vacuum during the initial start off.





VALVE BOX



Valve boxes come in different shapes and sizes.

- *6" ROUND BOX*
- *10" ROUND BOX*
- *12" RECTANGULAR BOX*

The valve box protects the valves from various external factors like dirt, UV rays from sunlight, grasses, and much more.

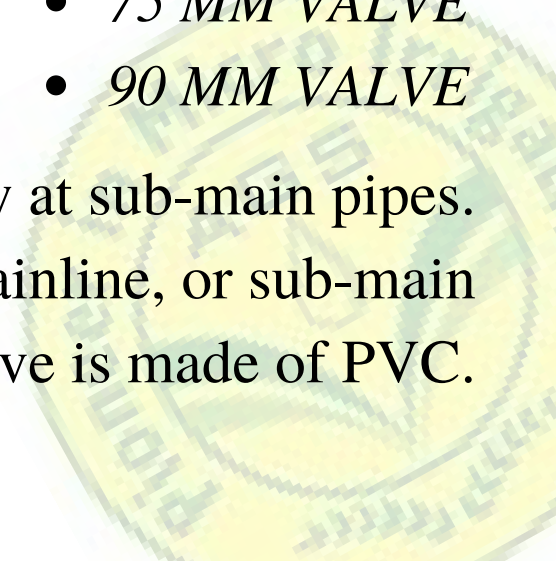
BALL VALVE (PVC)

SIZE VARIANTS



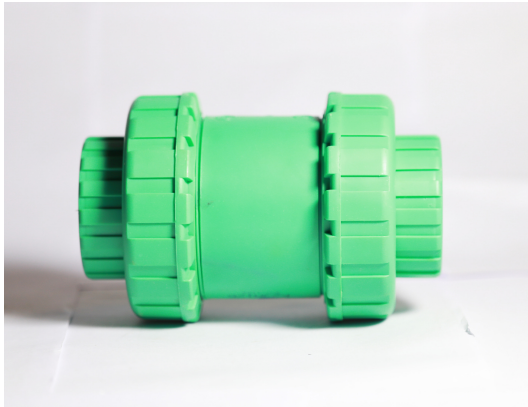
- *40 MM VALVE*
- *50 MM VALVE*
- *63 MM VALVE*
- *75 MM VALVE*
- *90 MM VALVE*

A ball valve controls flow at sub-main pipes. They are easy to install on filters, mainline, or sub-main lines. The ball valve is made of PVC.





NON-RETURN VALVE



SIZE VARIANTS

- *63 MM VALVE*
- *75MM VALVE*
- *90MM VALVE*

A check valve, non-return valve, reflux valve, retention valve, foot valve, or one-way valve is a valve that normally allows fluid (liquid or gas) to flow through it in only one direction.



PRESSURE GAUGE (63MM, 75MM)

A pressure gauge is used to measure the pressure between two specific points in a flowing stream.





SAND FILTER



SIZE VARIANTS

- *63MM FILTER*
- *75MM FILTER*
- *90MM FILTER*

Solid particles in water, such as sand, silt, clay or detritus may clog drip irrigation systems. Sand filters that remove these particles from the water and then input only clean water in the irrigation system are absolutely necessary and essential.

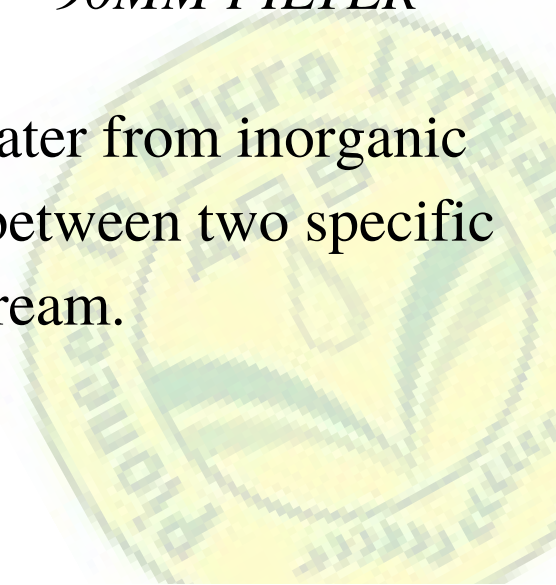
DISC FILTER T-SHAPE



SIZE VARIANTS

- *40MM FILTER*
- *63MM FILTER*
- *90MM FILTER*

Disc filters are used to purify the water from inorganic and organic impurities. The pressure between two specific points in a flowing stream.





SCREEN FILTER T-SHAPE



SIZE VARIANTS

- *32MM FILTER*
- *63MM FILTER*
- *90MM FILTER*

A screen filter is used to filter the light, inorganic materials from the source water and make the water free of inorganic compounds and ions.

SCREEN FILTER Y-SHAPE



SIZE VARIANTS

- *32 MM FILTER*
- *63 MM FILTER*
- *90 MM FILTER*

A screen filter is used to remove the waste that contains inorganic substances from the water.





BYPASS ASSEMBLY



SIZE VARIANTS

- *63 MM BYPASS*
- *75 MM BYPASS*
- *90 MM BYPASS*

This bypass assembly allows the user to recirculate water close to the trigger valve on the wand, thus maintaining heat at the valve at all times

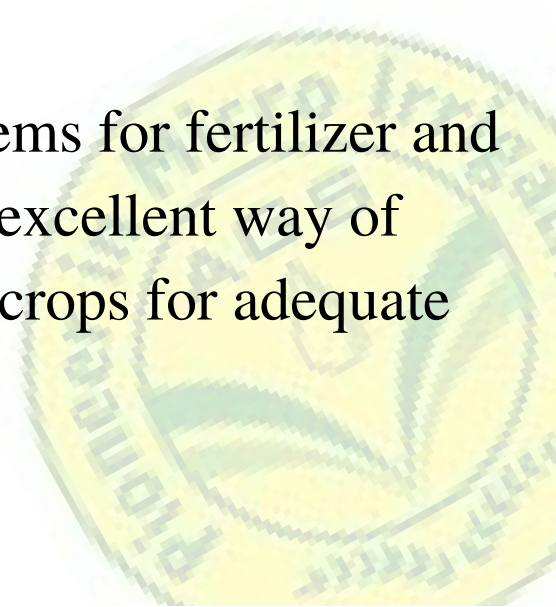
VENTURY ASSEMBLY



SIZE VARIANTS

- *32MM VENTURI*
- *75MM VENTURI*

Venturi is used in drip irrigation systems for fertilizer and chemical injection. Venturi is an excellent way of delivering the required nutrients to crops for adequate productivity.





HUNTER AUTOMATION



Hunter automation tools are automation modules that assist farmers in irrigating their fields.



RAINBIRD



Rainbird is a zone-based controller system. It helps in irrigation processes with automatic flexible schedule options for irrigation.



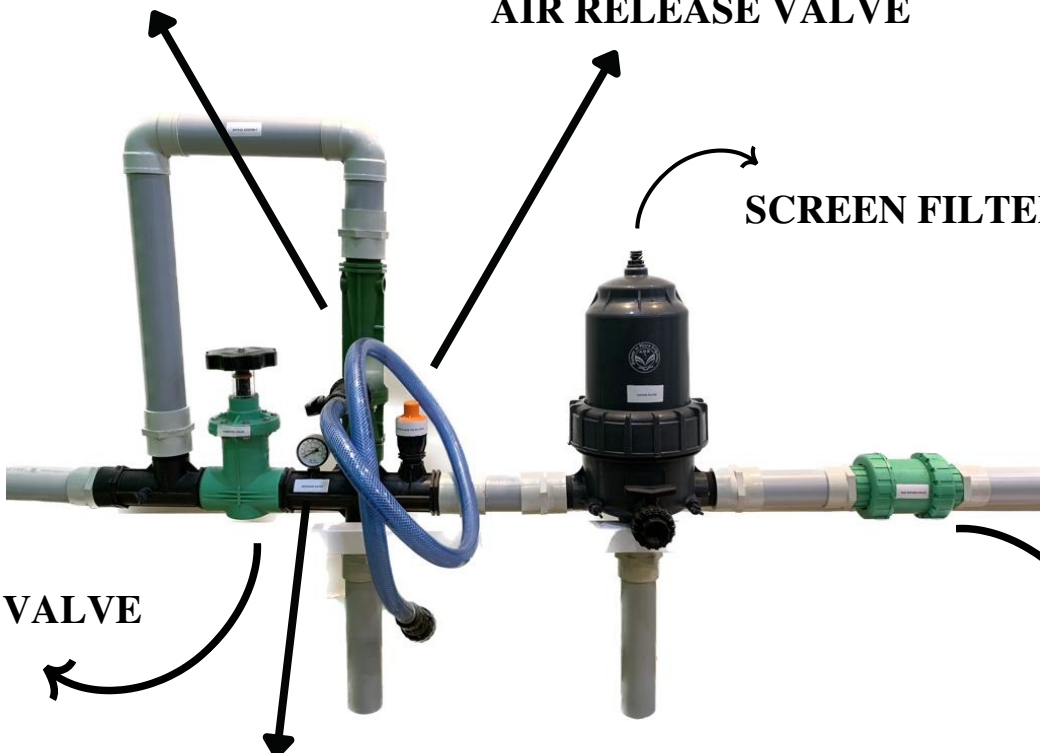


HEAD UNIT OF DRIP IRRIGATION

VENTURI PUMP

AIR RELEASE VALVE

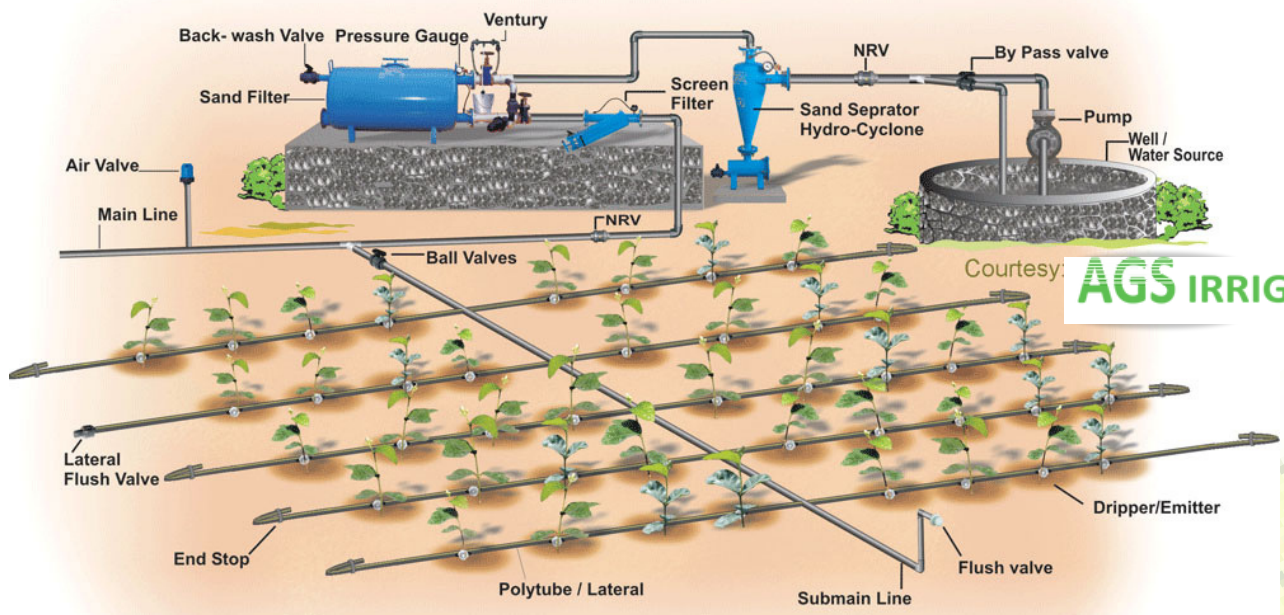
SCREEN FILTER



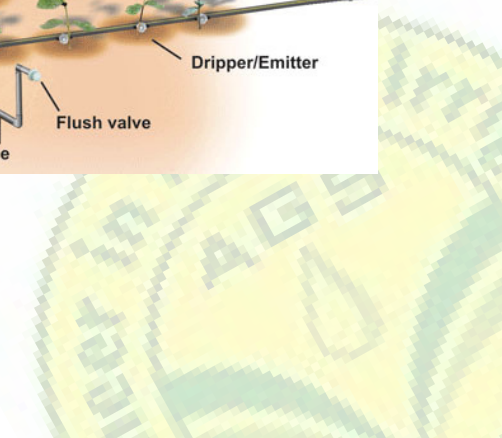
THROTTLE VALVE

NON RETURN VALVE

PRESSURE GAUGE



Courtesy: **AGS IRRIGATION**





AGS IRRIGATION

CONTRIBUTING TO THE GROWTH OF
OUR LOCAL FARMERS

 [ags_irrigation](https://www.instagram.com/ags_irrigation)

 [AGS Irrigation](https://www.facebook.com/AGS-Irrigation)

www.agsirrigation.in

No: 11 & 12, Ekangipuram Main St, Ayanavaram, Chennai, Tamil Nadu 600023

Contact details :9150002527 / 9150002727

info@agsirrigation.com

Toll Free : 18008890527