Greendot®
Growth In Every Drop

SMART
IRRIGATION
FOR A
GREENDOT
TOMORROW

PRODUCT CATALOG

COMPLETE IRRIGATION SOLUTIONS
FOR A GREENER TOMORROW



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Greendot®
Growth In Every Drop

MINI SPRINKLER & ACCESSORIES



Technical Specification & Features :

- Available in ½" Male Threaded Connection.
- Recommended Pressure 0.7 kg/cm2 – 3.0 kg/cm2.
- Materials are UV Stabilized and Durable Engineering plastic Body, Arm, Pivot Pin and Nozzles.
- Recommended Spacing up to 12mtr for higher Distribution Uniformity. Trajectory Angle – 24°.
- Colour Coded Nozzle for Easy Identification.
- Nozzle Bayonet Connection for Easy Service in Field Conditions.
- Specially Designed nozzles for Excellent Uniformity of Sprinkler Even at a Low Water Pressure.
- Available in Plastic (Corrosion Proof) Pivot Pin and Stainless (SS304 Corrosion Proof) Pivot Pin.
- Pivot Pin & Springs are Made from Stainless Steel (SS304).
- Special Springs & Washers to Perform even at a Low Pressure.
- Graphite Bottom Washer for Smooth and Consistent Rotation.

Nozzle size (mm)	Pressure (Kg/cm2)	Coverage Area (Mtr)	Flow Rate (ltr/min)
2.7 x 1.8 SQUARE	1.0	17.00	6.00
	2.0	18.00	6.50
	2.5	19.00	7.00
	3.0	20.00	7.50
2.7 x 1.8 ROUND	1.0	20.30	10.50
	2.0	21.00	11.00
	2.5	21.40	11.50
	3.0	22.00	12.00

Application:

- Recommended for Closely Spaced Fields Crops, Such As Potato, Leafy Vegetables, Cotton, Oil Seeds, Pulses and Fodder Crops.
- For Irrigation and germination of Vegetables, Flowers and nursery Crops.

Benefits:

- Operates even at a Low Water Pressure of 0.5kg/cm2.
- Uniform Water Distribution of Water improves the Crop Yield.
- Can Operate More Sprinklers Simultaneously hence covering larger area at a Given Time Period.
- Saves Water, efforts and energy.

















Uniform Distribution | Corrosion Resistant | UV Stabilized | Longer Life | Low Maintenance | Water Saving

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ISI 3/4" IMPACT SPRINKLER



Technical Specification & Features :

- Available In ¾" BSP/NPT male threaded Inlet Connection.
- Recommended Pressure 1.0 - 4.0kg/cm²
- Trajectory Angle: 23°
- Radius coverage area is 12 metres. Body and Arm made of heavy-duty engineering plastic (Delrin) with plastic nozzles for durability and
- excellent performance with UV Stabilization.
- Pivot Pin & Springs are Made from Stainless Steel (Ss304). Brass Nozzles are also available with this model.
- Superior quality washers and other parts ensure more efficiency performance.
- Bayonet Nozzles connection for easy service in field conditions.
- Press fitted plated weight into arm for proper impact and balancing.
- Non-Clog stream straightener in range nozzle ensures excellent performance in wind condition.

Application:

- Recommended for wheat, maize, peas, cumin, cotton and vegetables.
- All crops compatible for overhead sprinkler irrigation on portable as well as solid set systems.
- Use For agriculture field, fruit farming and vegetable farming.



Performance Chart : Plastic Ruzzer

Nozzle size (mm)	Pressure (Kg/cm2)	Coverage Area (Mtr)	Flow Rate (ltr/min)
3.96 x 3.17 GREEN	1.0	6.90	16.60
	2.0	9.80	23.50
	3.0	12.00	28.80
	4.0	13.90	33.50
4.36 x 3.17 YELLOW	1.0	7.50	18.00
	2.0	10.60	25.50
	3.0	13.00	31.20
	4.0	15.00	36.00

Performance Chart : Brass Ruzzer

Nozzle size (mm)	Pressure (Kg/cm2)	Coverage Area (Mtr)	Flow Rate (ltr/min)
4.36 X 3.17 BRASS	1.0	22.00	17.08
	2.0	25.50	24.16
	3.0	27.00	29.60
	4.0	28.00	34.18

Benefits:

- Operates even at a Low Water Pressure of 0.5kg/cm2.
- Uniform Water Distribution of Water improves the Crop Yield.
- Can Operate More Sprinklers Simultaneously hence covering larger area at a Given Time Period.
- Saves Water, efforts and energy.

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BUTTERFLY SPRINKLER



Technical Specification & Features :

- Available in ½" Male threaded connection.
- Range of operating Pressure: 1.0 - 3.0kg/cm².
- Wetted diameter range: 10.50 - 14.0mtr.
- Flow Rate Range : 240 - 557 LPH.
- Recommended Spacing 4 X 4 mtr, 5 X 5 mtr, 6 X 6 mtr.
- Sturdy structure and User Friendly for Excellent distribution uniformity.
- Manufactured from high-quality materials with UV Stabilization.
- Bridge rotation does not leave dry patches in the field.
- Recommended filtration: 120mesh

Application:

- Recommended for close spacing vegetable crops like Ginger, Onion, Potatoes, etc. and flowers.
- Ideal for crops which require more water.



Nozzle size (mm)	Pressure (Kg/cm2)	Coverage Area (Mtr)	Flow Rate (Ltr/Hr)
3.50 BLACK	1.0	10.00	369.60
	2.0	10.50	420.00
	3.0	11.00	480.00
4.50 BLACK	1.0	11.50	459.60
	2.0	12.00	540.00
	3.0	12.50	619.80

WANGLER MICRO SPRINKLER

Technical Specification & Features :

- Available In ½" & ¾" BSP/NPT male threaded Inlet Connection.
- Range of operating Pressure: 0.5 - 3.0kg/cm².
- Wetted diameter range: 5.0 – 12.50 meter.
- Flow Rate Range: 170 - 1365 LPH.
- Offers a variety of nozzle options in different sizes.
- Compact compression structure ensures robustness.
- Continuous rotation of the body ensures no dry patches.
- Constructed from anti-aging, UV-resistant materials.
- Delivers uniform water distribution with wide spray coverage.
- Easy to maintain, as no tools required.
- Recommended filtration: 120mesh

Application:

- widely used in greenhouses, lawns, flower beds, and agricultural fields, etc. It is widely applied and has stable performance.

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GROOT®
MICRO SPRINKLER

Technical Specification & Features :

- Available In ¾" BSP/NPT Male Threaded Inlet Connection.
- Range of Operating Pressure: 1.0 - 3.0kg/Cm².
- Wetted Diameter Range: 10.0 – 14.0 Meter.
- Max. Flow Range: 300 LPH.
- Constructed From Anti-Aging, UV-Resistant Materials.
- Made From Heavy-Duty Engineering Plastic (Delrin) For Durability and Excellent Performance.
- Gentle Micro-Misting Technology with Six Water Channel Rotating Wheel.
- 360° Rotation and Uniform Distribution Ensure No Dry Patches.
- Recommended filtration: 120mesh
- Easy Installation & Maintenance.



Application:

- Agriculture Field irrigation. • Greenhouse Cultivation.
- Horticulture Farms. • Garden Irrigation.
- Nursery Plant, Vegetable crop Watering.
- Plantation Irrigation Systems.

Nozzle size (mm)	Pressure (Kg/cm2)	Coverage Area (Mtr)	Flow Rate (ltr/min)
1/2" Micro	1.0	5.0	4.33
	2.0	5.5	5.00
	2.5	6.5	5.50
	3.0	7.0	5.70
1/2" Mini	1.0	6.5	4.66
	2.0	7.0	5.16
	2.5	8.0	5.66
	3.0	8.5	6.20
3/4" Big	1.0	7.5	5.00
	2.0	8.0	5.40
	2.5	8.5	5.85
	3.0	9.0	7.00

PP SINGLE PIECE (TOP ENTRY)
BALL VALVES

Technical Specification & Features :

- Durable Polypropylene (PP) Construction.
- Versatile Connection Option- Socket (Pasted) & Threaded.
- Pressure Rating: Pn08
- Connection Standards – Socket (ANSI), Threaded (BSP)
- UV Stabilized & Corrosion Resistant.
- Reliable & Long-Lasting Performance.

MATERIAL OF CONSTRUCTIONS

Sr. No.	Particulars	Material
1	Body	Polypropylene (PP)
2	Ball	Polypropylene (PP)
3	Spindle	PP With MS insert
4	Spindle "O" Ring	EPDM
5	Top Cover	Polypropylene (PP)
6	Ball Seat Washer	PTFE
7	Bolt/Washers	MS/SS
8	Handle	Metal Handle (PP Coated)
9	Handle Cap	Polypropylene (PP)



Size:

- 1", 1¼", 1½", 2", 2½", 3"

SOLID SEAL (CLASSIC) BALL VALVES



Technical Specification & Features :

- Durable Polypropylene (PP) Construction.
- Versatile Connection Option- Socket (Pasted) & Threaded.
- Pressure Rating: PN-04
- Ideal For Application in Temperature Below 55° C.
- Connection Standards – Socket (ANSI), Threaded (BSP)
- Unique Handle Design Ensures Low Operational Torque for Easy & Effortless Use.
- UV Stabilized & Corrosion Resistant.
- Reliable & Long-Lasting Performance.

Application:

- Irrigation Head Control Units.
- Ideal for Irrigation Farms, Green Houses & Nurseries.
- Industrial and Utility Water Lines.
- Fertigation Systems.

Colours:

- Black
- White
- Grey

Handle:

- Short Handle
- Long Handle
- Long Metal Handle (PP Coated)

Size:

- **½" | ¾" | 1" | 1¼" | 1½" | 2" | 2½" | 3" | 4"**



MATERIAL OF CONSTRUCTIONS

Sr. No.	PARTICULARS	MATERIAL
1	BODY	POLYPROPYLENE
2	PIPECONNECTOR	ABS
3	INNER COVER	POLYPROPYLENE
4	SEAT	EPDM
5	BALL	POLYPROPYLENE
6	STEAM "O" RING	NITRILE RUBBER
7	SEAL	POLYPROPYLENE
8	METAL PLATE OF HANDLE	MS (IRON)
9	HANDLE	METAL HANDLE PP COATED

uPVC SOLID SEAL (CLASSIC) BALL VALVES



Technical Specification & Features :

- Manufactured using high-quality Unplasticized Poly Vinyl Chloride (uPVC) for long-lasting performance.
- Connections - Threaded (BSP, NPT & BSPT) / Solvent Glued Socket end.
- Pressure Rating: PN-04
- User friendly design allows smooth handle operation with low operational torque.
- Ideal for application in temperature below 55°C.
- UV Stabilized & Corrosion Resistant.

Application:

- Irrigation Head Control Units.
- Ideal for Irrigation Farms, Green Houses & Nurseries.
- Industrial and Utility Water Lines.
- Fertigation Systems.

Size:

- **½" | ¾" | 1" | 1¼" | 1½" | 2"**

MATERIAL OF CONSTRUCTIONS

Sr. No.	Particulars	Material
1	Body	uPVC
2	Seat Ring	TPE
3	Stem "O" Ring	EPDM
4	Ball	PVC
5	Handle	ABS
6	Cap	ABS

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PVC SINGLE UNION &
DOUBLE UNION BALL VALVES



Technical Specification & Features :

- Precision moulded valves made from uPVC suitable for pipe line systems up to 16 Kg/cm2
- Pressure Rating up to 10-16 Kg/cm2
- Compact Single Union (Nut) & Double Union (Nut) design.
- TPV Effect ensures leakage Free and low Fixed Torque.
- End Connections - Plain Socket end.
- In build Spanner wrench on Handle for valve dissemble /assemble.
- High fluid carrying capacity.
- Very low frictional head losses
- Excellent chemical/corrosion resistance with UV Stabilized.

Application:

- Irrigation Head Control Units.
- Ideal for Irrigation Farms, Green Houses & Nurseries.
- Industrial and Utility Water Lines.
- Fertigation Systems.

Size:

- **2" | 2½" | 3"**

MATERIAL OF CONSTRUCTIONS

Sr. No.	Particulars	Material
1	Body	uPVC
2	Union Nut	uPVC
3	Ball	uPVC
4	Spindle	uPVC
5	Spindle "O" Ring	EPDM
6	Socket	uPVC
7	Bush	uPVC
8	Bush "O" Rings	EPDM
9	Seat Washer	TPV
10	Handle	uPVC



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PP SINGLE UNION
BALL VALVES



Technical Specification & Features :

- Made from high quality PP materials.
- Specially Designed handle for sturdiness and Ease of Operations.
- Pressure Rating: PN-06
- Special Interlocking System & User-friendly design allows smooth handle operation with low operational
- torque.
- Corrosion resistant and UV stabilized. Durable, reliable and easy for maintenance.
- Compatible with **Greendot** make Push Fittings and other Standard quality Push Fittings.

Types:

- Female Threaded X Female Threaded
- Male Threaded X Female Threaded

Size:

- 1"



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PLASTIC AIR RELEASE CUM VACCUM RELIEF VALVES



Technical Specification & Features :

- Maximum Working Pressure: 6 kg/cm2.
- Sealing Pressure: 0.5 kg/cm2
- EPDM Seal.
- Made from reinforced Polypropylene for Durable weather Resistant and non-corrosive.
- Large Volume Air Release when line is filled due to big outlet Size.
- UV Stabilized Material.

MATERIAL OF CONSTRUCTIONS

Sr. No.	Particulars	Material
1	Body with Elbow	PP+PPCP
2	Bottom	PP+PPCP
3	Bottom O-Ring	EPDM/NBR
4	Float	PP
5	Float Seal Washer	EPDM

Application:

- An integral part of any micro irrigation or drip irrigation system.
- Release the unwanted pockets of air from a pipeline.
- ideal for a wide range of agriculture irrigation and industrial applications.

Size:

- ¾" | 1" | 1½" | 2"

METAL AIR RELEASE CUM VACCUM RELIEF VALVES



Technical Specification & Features :

- • Maximum Working Pressure: 10 kg/cm2.
- • Sealing Pressure: 0.3-0.5 kg/cm2.
- • Available in Female Threaded Connection (BSP/NPT)
- • Cast Aluminium Body Combines the Dual advantage of being Lightweight as well as Provides Corrosion
- resistance.
- Synthetic Rubber Seal Assures Positive Rubber Seal Even with Low Head Application.
- Simple Design Ensures trouble- free Performance.
- Powder Coated body for durability.

Application:

- Ideal for a wide range of agriculture irrigation and industrial applications.
- Release the unwanted pockets of air from a pipeline.

Size:

- ½", ¾", 1", 1 ½", 2", 3"

MATERIAL OF CONSTRUCTIONS

Sr. No.	Particulars	Material
1	1 Body	Aluminium
2	2 "O" Ring	NBR
3	3 Float Ball	Eng. Plastic
4	4 Baffle	Aluminium

IRRIGATION
FLUSH VALVE

Technical Specification & Features :

- Made from high Quality PP & ABS Material.
- Max. Operating Pressure 6kg/cm2.
- Unique seal design for leak proof joint for low tightening torque
- Equipped with Stopper for Cap To prevent snap out of cap while flushing.
- Large opening provided to take out dirt from pipeline.
- Threaded facility to open to easiness for flushing dirt from sub main.
- Excellent chemical/corrosion resistance and UV Stabilized Material.



Application:

- Recommended in micro/ drip irrigation as a flush valve to remove the entrapped dirt from pipe line during flushing.
- Suitable for flushing the entire drip irrigation system & water supply line.

Size:

- 40 X 50mm | 63 X 50mm | 75 X 63mm | 90 X 90mm

2 IN 1

IRRIGATION
SERVICE SADDLE



Technical Specification & Features :

A service saddle is a mechanical pipe fitting used to create a reliable branch connection or tap line from an existing main pipeline (such as water mains, municipal lines, or irrigation networks) without cutting or replacing the primary pipe. It clamps securely around the circumference of the main pipe and provides a threaded or socketed outlet to connect smaller feeder lines, valves, or meters.

Application :

Ideal for municipal water supply lines, agriculture irrigation networks, and plumbing.

Material :

Heavy-duty Polypropylene (PP) construction provides excellent strength and chemical resistance.

Design :

Outfitted with a secure nut-bolt clamping system and integrated rubber o-ring for leak-proof performance.

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IRRIGATION RAIN PIPE

DESCRIPTION:

- GreendotTM Rain Pipe irrigation method is a substitute for sprinkler irrigation which sprays the same quality of water to crops. It is made of LDPE Granules (Low-Density Polyethylene). GreendotTM Rain Pipe has zig-zag & randomly punched holes by laser system which results in the best water sprouts performance in this category. No clogging problem arises in GreendotTM Rain Pipe. It has more life than any other ordinary rain pipe. GreendotTM Rain Pipe is very easy to assemble and reallocate. It helps to reduce the consumption of energy and water by more than 50 percent. With the help of appropriate water pressure, GreendotTM Rain Pipe can spray up to 10 to 15 feet on both sides. To perform best, GreendotTM Rain Pipe required 1 kg/cm2. water pressure. It is very durable, easy to carry around and flexible products for farmers.





TECHNICAL SPECIFICATIONS

Particulars	20mm	32mm	40mm	63mm
Wall Thickness	200 Microns	350 Micron	350 Micron	350 Micron
Drip Hole Spacing	5 Cm from Each Holes			
Dripper	No Dripper. Nano Laser Punched.			
Water Discharge	75* Ltr / Hr / Mtr	150* Ltr / Hr / Mtr	200* Ltr / Hr / Mtr	350* - 550* Ltr / Hr
Laying Length	15 Mtr	35 Mtr	25 Mtr to 50 Mtr	100 Mtr
Operating Pressure	0.8 kg/cm2			
Width of Spray (One Side)	1.5* Mtr	4* Mtr to 5* Mtr	5* Mtr to 6* Mtr	8* Mtr to 12* Mtr
Height of Spray	1.5 Mtr to 2 Mtr	1.5 Mtr to 2 Mtr	1.5 Mtr to 2 Mtr	1.5 Mtr to 2 Mtr
Roll Length	200 Mtr /Roll	100 Mtr / Roll	100 Mtr / Roll	100 Mtr / Roll
Numbers of Roll Per Acre	4 Rolls / 400Mtrs	8 Rolls / 800 Mtrs	7 Rolls / 700 Mtrs	6 Rolls / 800 Mtrs
Roll Weight	3.00* Kg	3.00* Kg	4.00* Kg	
Expected Life	3* Years	3* Years	3* Year	3* Year

APPLICATIONS:

- Groundnut, Vegetables, Greens and other closely spaced crops.
- Seed Nursery Tuber Crop, Leafy Vegetable, Onion, Potato Etc.

MTA



JOINER



END CAP



MTA COCK



TAKE OFF COCK



32 MM PVC GROMMET



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IRRIGATION ACCESSORIES

¾" RISER EXTENSION PIPE



Low Friction Loss
Water Flow guide at inside surface to compensate the friction loss.

Pressure Stability
Bigger inlet for minimum pressure drop during vertical installation.

Flexible
Riser Pro can be connected to each as per crop height requirement.

Sturdy
Designed for Tough Climate Conditions.

Tool-Free Installation
Special ribbed outer design to make installation tools free.

Corrosion Free
Made of Engineering plastic with UV stabilisers for durability.



75MM FOOT BATTEN



75MM PVC SPRINKLER RING



PRESSURE GAUGE



Introducing our Pressure Gauge, a reliable and accurate instrument for measuring pressure in various applications. With a ½" Male Threaded Connection, a 2 ½" Aluminium Dial, and a wider pressure range of up to 7kg/cm2, it offers versatility and durability. The gauge features a brass mechanism, silicone oil filling for accuracy, and a stainless steel case for long-lasting performance. Equipped with a built-in snubber, it effectively handles pressure fluctuations. Experience crystal clear visibility with High Quality Glass.

SLIP ON FLANGE WITH COUPLER

SIZE:
2" | 2 ½" | 3"



PP UNION

SIZE:
2" | 2 ½" | 3"



PVC TUBE ROLL

SIZES:
6MM | 12MM



RUBBER GASKET

SIZE:
2" | 2 ½" | 3" | 4"



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32MM PUSH TYPE FITTINGS



JOINER



MTA



ELBOW



END CAP



HEAVY TEE



LITE TEE



2 CAP TEE



3 CAP TEE



HEX NIPPLE



FTA SOCKET



IRRIGATION RAIN PIPE

DELRIN JOINER



DELRIN TAKEOFF



DELRIN ELBOW



DELRIN TEE



END CAP



EPDM GROMMET(J)



LATERAL COCK



PEPSI LATERAL COCK



PEPSI JOINER



PEPSI TAKEOFF



PEPSI LATERAL JOINER



PEPSI END CAP



EPDM GROMMETS(N)



9MM PEPSI TAKE OFF



PVC GROMMET (J)



PVC GROMMET (N)



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