

DRIP SYSTEM

Drip irrigation is a type of micro-irrigation system that has the potential to save water and nutrients by allowing water to drip slowly to the roots of plants, either from above the soil surface or buried below the surface. The goal is to place water directly into the root zone and minimize evaporation.

PRODUCT CATALOGUE







PCJ 2LPH

IDR 4.000

FLOW RATE: 2 L/Hr

WORKING PRESSURE RANGE: 0.7 - 4.0 Bar

FILTRATION AREA: 2 mm²



PCJ 4LPH

IDR 4.000

FLOW RATE: 4 L/Hr

WORKING PRESSURE RANGE: 0.7 - 4.0 Bar

FILTRATION AREA: 2 mm²



PCJ 8LPH

IDR 4.000

FLOW RATE: 4 L/Hr

WORKING PRESSURE RANGE: 0.7 - 4.0 Bar

FILTRATION AREA: 2 mm²



FEATURES AND BENEFITS

- Pressure compensated: Precise and equal amounts of water are delivered over a broad pressure range.100% uniformity of water and nutrient distribution along the laterals.
- Continuously self flushing: Continuously flushing debris, throughout operation, not just at the beginning or end of a cycle, ensuring uninterrupted dripper operation.
- Dripper can be positioned exactly where required.
- Number of drippers can be increased so as to increase water quantity supply aimed at meeting tree growth rate requirement.
- Allows the installation of "spider assembly", splitting the drip supply into a number of drip outlets.

SPECIFICATIONS

- Recommended filtration: 130 micron / 120 mesh.
- TurboNet™ labyrinth with large water passage.
- To be "inserted" into thick-walled pipes (0.90, 1.00, 1.20 mm)
- Injected dripper, very low CV.
- High UV resistant. Resistant to standard nutrients used in agricultural.



IDR 8.000/m

NetBowTM NetBow™ is an innovative, user friendly container irrigation multi-outlet dripper arc. With NetBow™, roots develop in every square inch of the container including the top layer, where root development is critical, ensuring your crops reach their full growth potential and guarantees better ROI PRODUCT CATALOGUE 1.4



FEATURES AND BENEFITS

- High clogging resistance by associating Netafim proven Typhoon™ drippers
- Superb uniformity with 8 dripping outlets
- Easy to install & connect to micro-tube and placement in the container
- Surface wetting that distributes the water uniformly in the container substrat

SPECIFICATIONS

- Compatible with 10 to 60 liters (2-15 gallons) containers.
- Diameter: 120 (5 inches), 250 mm (10 inches).
- Flow Rate: 8 or 4 dripping outlets with flow of 2.0I/h 0.53 GPH each at 1.0 bar (14.5 PSI) The flow from each dripping outlet will be determined by the hub dripper, divide evenly by 4 or 8 according to the model.
- Superb chemical and UV resistance for extended durability.
- Colored light gray for improved light reflection.
- Maximum operating pressure: 4.0 bars (58.0 PSI)





Pressure Compensated Drip Line

When you demand absolute irrigation uniformity in sloping terrain with the fastest possible ROI: DripNet PC™ is your answer. This pressure-compensated drip line gives you the perfect cost-performance ratio. No flow variation, no compromise.





DripNet PC™ integral pressure compensated self-cleaning drip Lines deliver the optimal cost-performance ratio when irrigating sloping terrain, uneven topographies and long crop

- Ideal for irrigation of multi-seasonal row crops and orchards in flat and complex topographies
- Ultra-wide and short water passages make this dripper resistant to clogging even in harsh water conditions

SPECIFICATIONS

- Working Pressure Range 0.4 3.0 Bar
- Filtration area 39 mm²
- Recommended Filtration 130 micron/120 mesh



TAPELOCK VALVE **GROMET IDR 7.000**

OTHER PRODUCTS

Philmac



OCTA IDR 7.000

PRODUCT CATALOGUE 1.7



DISC FILTER



DISC FILTER 1"
Water Filter

IDR 150.000



DISC FILTER 2" Water Filter

IDR 4.522.700



DISC FILTER 1,5" Water Filter

IDR 350.000













APLICATION

Single season crops irrigation.

FEATURES AND BENEFITS

- Wide filtration area to ensure optimal performance.
- TurboNet™ labyrinth assures wide water passages, large deep and wide cross section improves clogging resistance.
- The water is drawn in to the dripper from the stream center, preventing the entrance of sediments in to the drippers. Injection molded dripper construction, ensuring uniform drippers and very low CV.



Hunter **SOLENOID VALVE** IDR 451.000



Hunter **SOLENOID VALVE** IDR 1.341.000

PRODUCT CATALOGUE

















G75 Controller + 1" BSP Valve

Operating temp: -10° to 60°C Battery : 9V alkaline Options : Solar panel

Charger

: Horizontal, vertical, Mounting

wall mounting

IDR 1.576.000





PRODUCT CATALOGUE 1.12





G75 Controller 2 Station DC

(valve not Include)

Operating temp: -10° to 60°C Battery : 9V alkaline Options : Solar panel

Charger



G75 Servo Electric Valves 1"

(Include Coil 24V AC)

Pressure Range: 0.3-10 bar Function : 2 Way NC Port Size : 1"

: 24V 2W Coil Voltage

IDR 1.152.000

IDR 563.000



G75 Servo Electric Valves 1"

(Include Latch 4ohm)

Pressure Range: 0.3-10 bar : 2 Way NC Function

Port Size : 1" : 4 ohm

IDR 563.000

PRODUCT CATALOGUE 1.13



SMART IRRIGATION CONTROLLER

GreenApp™

Ready to sit down, put your feet up and manage your irrigation from a Smart-Phone?

The BERMAD GreenApp™ is a smart, flexible, easy to use, Bluetooth single station irrigation controller integrated with a solenoid actuator for easy and compact installation on any control valve.

Your gardening and irrigation just got so much easier. With the BERMAD GreenApp™, you can connect to a free (Android and iOS) user-friendly app, and manage your irrigation from your smart-phone or tablet. How convenient!

Features & Benefits

- Easy to install, simple to operate
 - Install the valve the controller is already included
 - Intuitive intuitive app provides easy programming
- Perfect solution for hidden or underground box installation
 - Change settings using the app from 10-30m; 30-90f
 - No wires and no screen keypad is in your pocket
 - Fully water protected IP68
 - Durable in all environment conditions
- Low power consumption
 - Two standard replaceable 1.5v AA batteries
 - Bluetooth 4.0 communication require ultra-low energy
 - Up to three years of continuous operation
- Irrigation cycles control by days and hours
 - Irrigation duration from 1 minute to 24 hours
 - Weekly and cyclical programming
 - Option of naming and managing multiple controllers
- Manual operations
 - TRIO 3-position Manual override: Open, Automatic, Close
 - Manual setting of valve maximum flow



Typical Applications

- Drip, sprinklers and micro-sprinklers agriculture plots valves
- Drip, sprinklers and micro-sprinklers landscape irrigation systems
- Irrigation of flowerpots and window boxes
- Rooftops and balconies systems
- Public, roadside, and traffic islands landscaping



All images in this catalog are for illustration only

FITTINGS







ADAPTER 16mm X 1/2"

Pipe Fitting

JOIN BARB X TAPE

Pipe Fitting

IDR 7.600

IDR 5.100



JOIN TAPE

Pipe Fitting

IDR 7.600

TAKE OFF 20mm Pipe Fitting

IDR 6.800



ELBOW 16mm

Pipe Fitting

IDR 6.000



TEE 16mm

Pipe Fitting

IDR 6.200

SPRINKLE SYSTEM

Sprinkler irrigation system allows application of water under high pressure with the help of a pump. It releases water similar to rainfall through a small diameter nozzle placed in the pipes. Water is distributed through a system of pipes, sprayed into air and irrigates in most of the soil type due to wide range of discharge capacity.

D-Net™9575



DR 68.500 (D-Net[™] 9575 3/4")

APPLICATIONS

For vegetables and open field crops, open field nurseries, crop germination, cooling fruit orchard.

FEATURES AND BENEFITS

- High and uniform yields: Innovative 3D diffusion arm ensures the highest level of water distribution uniformity in the market, for more consistent production and higher crop yields.
- Greater water efficiency: Outstanding water distribution uniformity eliminates over watering and optimizes water usage.
- Long-lasting performance: Tough UV-protected materials withstand all climate conditions, applied nutrients and chemicals ensuring trouble-free operation over the product's life.
- Versatile installation: Installs on solid sets or on removable field stands.

SPECIFICATIONS

- Fow rates : 1275 I/h.
- Nominal flow rates at 2.5 bar pressure Recommended working pressure: 2.0 to 3.0 bar (at the sprinkler head)
- Water trajectory angle : 24 degrees
- Inlet connection : 1/2" male thread
- Sprinkle spacing up to 12 X 13 m





15 & 24 Degrees Rotating Impact Sprinkle

For under tree irrigation and shade/net houses.For vegetables and open field crops open field nurseries, crops germination, frost mitigation, cooling fruit orchards and roof dust cleaning.

IDR 49.100

200 L/Hr Yellow Nozzle



PRODUCT CATALOGUE 2,2





75 Series Big Gun®

Excellent option when flow or pressure are limited

: 6-36 m3/hr Flow

Pressure : 25-80 psi (1.75-5.5 bar) Radius : 75-140 ft (23-43 m) Trajectory : 18°, 21°, 24°, 43°



100 Series Big Gun®

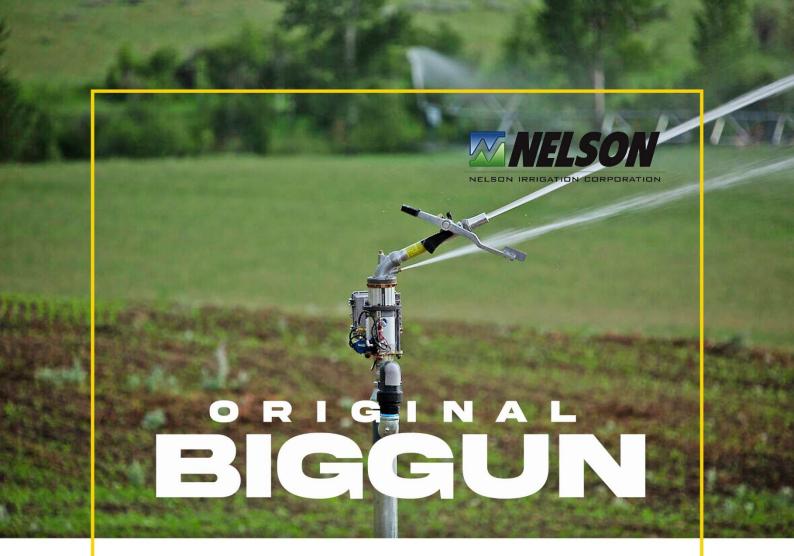
The industry standard and most versatile high volume sprinkle

: 9-68 m3/h Flow

Pressure : 40-110 psi (2.75-7.5 bar) Radius : 90-190 ft (27-58 m) Trajectory: 18°, 21°, 24°, 43°, 15-45°

IDR 22.360.000 IDR 34.997.000

PRODUCT CATALOGUE 2.3





150 Series Big Gun®

Reliability for hose reel traveler and industrial applications

Flow : 20-143 m3/hr

Pressure : 50-120 psi (3.5-8.25 bar) Radius : 120-240 ft (36-73 m) Trajectory : 21°, 24°, 27°, 43°, 15-45°



200 Series Big Gun®

Maximum flow, pressure, and throw distance

Flow : 52-272 m3/hr

Pressure : 50-130 psi (3.5-9 bar) Radius : 160-310 ft (48-95 m)

Trajectory : 21°, 24°, 27°

IDR 45.721.000

IDR 83.483.000

PRODUCT CATALOGUE 2.4



YUZUAK ATOM 35

Highly efficient sprinkler rotating in full circle or partial circle, impact-type, operating at medium pressure (2.0 – 6 atm) Thanks to replaceable sprinkler ends and adjustable water breaker, it ensures you to irrigate your field with uniform water distribution. It is appropriate to use for dust control at roadsides, mines, construction sites and coal depots.

DR 2.096.900



PRODUCT CATALOGUE

Nozzle Diameter : 12, 14, 16, 18

2.5



Ocmis Vario Rain 2

Ocmis Vario Rain 3



OTHER PRODUCTS Irriforce MiniX TD1250-120

Self-Propelled Large Area Sprinkler Trolley for Independent Watering Large Lawns Irrigation Machine Travelling Sprinkler

MISTING SYSTEM



mist irrigation is the system of spraying water on plants. While the water reaches only the root of the plant in other watering methods, this system delivers water on the whole plant, thus keeping it cool and wet.



FEATURES AND BENEFITS

- Acid resistant (AA) raw materials, thus allowing the application chemicals to pass through the system. The system can be cleaned by application of suitable acid treatments.
- Micro sized droplets, at a relatively low pressure of 4.0 bar the CoolNet™ Pro uniformly distributes an average drop size of 65 micron.
- Specially designed for cooling, humidifying and rooting tables.
- Strongly recommended to connect the CoolNet™ Pro to the distribution pipe with a SSPE (super soft PE) micro-tube, a specifically designed stabilizer and AD valve (anti-drain) that will prevent distribution pipe drainage

SPECIFICATIONS

- flow rates : 5.5 L/Hr
- Pressure range 3.0 5.0 bar.
- Recommended filtration: 130 micron / 120 mesh. Filtration method is to be selected based on the kind and concentration of the dirt particles existing in the water.





XL Jet Mist

Flow : 25-41 L/hr Pressure : **0.75-2.0 bar** Diameter : 1.7-2.4 m



Nozzle Yellow

: 13-25 L/hr Flow Pressure : 0.5-2.0 bar Diameter : **0.8-1.0 m**

ACCESORIES





Anti Drain

1,5 Bar



Anti Drain 2 Bar

IDR 8.900

IDR 9.700



Anti Drain 3 Bar

IDR 10.500



PE NET SERIES

IDR 12.400



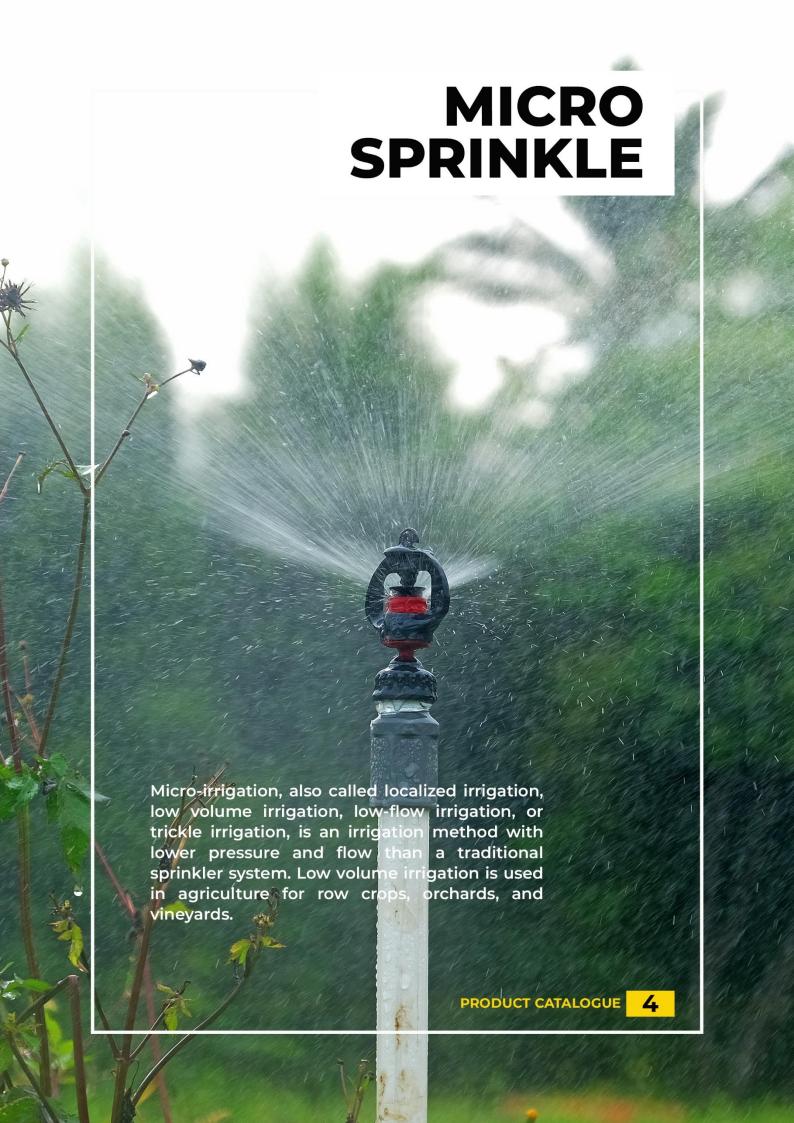
ADAPTER FIX 1/2" Pipe Fitting

IDR 21.600



ADAPTER JAT Pipe Fitting

IDR 1.000



GyroNet™



IDR 10.100

APPLICATIONS

Irrigation of tree plantations with large root volumes.

With Deflector



SPECIFICATION

- flow rates : 150 L/Hr
- Maximum recommended working pressure: 2.5 bar.
- Recommended filtration: 200 micron / 80 mesh.
- Radius: 4 m

FEATURES AND BENEFITS

- Anti-ant mechanism prevents insect penetration into the area of the micro-sprinklers nozzle.
- Micro-sprinkler made of plastic materials resistant to all agrochemicals & weather conditions.
- Specially designed for fruit trees, orchards, deciduous and other tree crops.
- Can be used in Frost mitigation and/or Cooling irrigation systems.
- Long-term reliable service, simple, modular parts.



J-Series

The connection you can trust:



JSH (180°) 12 & 16

:34-102 L/hr Flow Pressure : 0.5-1.5 bar Radius :1.0-1.6 m



JSF (360°) 12 & 16

Flow :34-102 L/hr Pressure : 0.5-1.5 bar Radius : 1.0-1.5 m

JSH



JSF

IDR 1.600

PRODUCT CATALOGUE 4.2

LANDSCAPE

Landscape irrigation is a watering system that is used to create and maintain lawns, gardens, and custom landscapes. The primary function of a landscape irrigation system is to ensure that water is spread regularly and evenly throughout any given landscape.

PRODUCT CATALOGUE





06A Nozzle HI

Adjustable from 0° to 360°

Flow : **32-333 L/hr**Pressure : **1.0-3.0 bar**Radius : **1.5-2.1 m**

IDR 31.300



08A Nozzle HI

Adjustable from 0° to 360°

Flow : **37-484 L/hr**Pressure : **1.0-3.0 bar**Radius : **2.0-2.9 m**

IDR 31.300



10A Nozzle HI

Adjustable from 0° to 360°

Flow : **40-568 L/hr**Pressure : **1.0-3.0 bar**Radius : **2.6-3.5 m**

IDR 31.300

Hunter

PS Ultra 4" (PSU-04)

(Without Adjustable Nozzle)

The PS Ultra is a compact, slim-line spray sprinkler with the option of preinstalled nozzles for faster installation.

Pop-up Height: 10 cm Overall Height: 18.4 cm Exposed Diameter: 3 cm Inlet Size: ½"

IDR 85.000

PRODUCT CATALOGUE

5.1

Nozzle HI



12A Nozzle HI

Adjustable from 0° to 360°

: 43-805 L/hr Pressure: 1.0-3.0 bar Radius : 3.2-4.1 m

IDR 31.300



15A Nozzle HI

Adjustable from 0° to 360°

: 76-1080 L/hr Pressure : 1.0-3.0 bar : 4.0-5.2 m Radius

IDR 31.300



17A Nozzle HI

Adjustable from 0° to 360°

: 100-1305 L/hr Flow Pressure : 1.0-3.0 bar : 4.6-5.8 m Radius

IDR 31.300

Hunter

PRO ADJUSTABLE NOZZLE

- Adjustable from 0° to 360° for maximum design flexibility
- Easy-grip top for simple adjustment
- Strong edges for a defined pattern with better wind resistance
- Large water droplets minimise misting with better uniformity

PRODUCT CATALOGUE 5.2





Hunter®

Strip Pattern Nozzle



SIDE STRIP SS-530 Strip Pattern Nozzle

IDR 37.000



SIDE STRIP SS-918 Strip Pattern Nozzle

IDR 37.000

Landscape Fitting



6100 SHRUB ADAPTER Fitting

IDR 10.500



SWING JOIN 1/2" Fitting

IDR 12.400

X-CORE™

KEY BENEFITS

- · Number of stations:
 - 2, 4, 6, or 8 (fixed models)
- Solar Sync[™] accessory saves water based on local weather conditions
- Built-in key lock on outdoor models protects against vandalism
- 3 flexible programs with 4 start times each and up to 4-hour run times
- QuickCheck™ provides simple diagnostics of faulty field wiring
- Hide Programs setting shows 1 program and 1 start time for simplification
- Suspend irrigation up to 99 days during the off-season
- Short-circuit protection detects wiring faults and skips the station without system damage
- Easy Retrieve™ memory backs up the full irrigation schedule
- Delay Between Stations for slow-closing valves or pump recharge
- Cycle and Soak prevents water waste and runoff in areas with elevation changes or tight soils
- Seasonal adjustment for quicker schedule adjustments without changing run times

OPERATING SPECIFICATIONS

- · Transformer input: 120 VAC or 230 VAC
- Transformer output (24 VAC): 1 A
- Station output (24 VAC): 0.56 A
- P/MV output (24 VAC): 0.28 A
- Sensor inputs: 1
- Approvals: Plastic IP54 (outdoor), UL, cUL, FCC, CE, RCM

· Warranty period: 2 years



X-CORE 4 STATION

IDR 1.982.000



X-CORE 6 STATION

IDR 2.253.000



X-CORE 8 STATION

IDR 2.661.000



