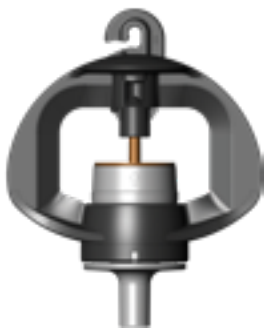


GyroNet™ MR & MRD

MIDDLE RANGE & MIDDLE RANGE WITH DEFLECTOR

Irrigation of tree plantations with mid-size root volumes in flat terrains.



Anti-ant
mechanism



High clogging
resistance



Higher reliability
& longevity

Applications



Under tree
irrigation



Orchards
frost
mitigation



Orchards
cooling

/ Benefits & Features

- Ensures higher crop uniformity
Thanks to unique design of the sprinkler's rotor water channel
- Reduced maintenance and repair cost
The GyroNet™ has pop-up swivel, functions as anti-ant mechanism, preventing insect penetration into the area of the micro-sprinkler nozzle
- Higher reliability & longevity
Long-term reliable service, simple, modular parts, clog resistant design
Specialty raw material makes it resistant to all agrochemicals & weather conditions

Specifications & Recommendations

- ✓ MR is a dynamic swivel irrigating a Medium Range area as single head
- ✓ MRD, Medium Range with Deflector. The stream deflector concentrates all the water in the area close to the young tree, and it can be broken, allowing for extended irrigation diameter
- ✓ 4 different flow rates: 27, 40, 58, 70l/h
- ✓ Nominal flow rate at: 1.7bar
- ✓ Recommended pressure range: 1.5-2.5bar
- ✓ 3 types of inlet connectors: Self-tapping, Press fit, 3/8"
- ✓ 2 types of upper bearing:
 - Standard = STUB - for normal water
 - Everspin™ = ESUB - for harsh conditions
- ✓ MR swivel colored Brown for all flow rates
- ✓ The nozzle is color coded for easy identification of the flow rate
- ✓ Conformity with ISO 8026 standards (SI 1406)
- ✓ Recommended filtration*: 200 mic./80mesh

*Note: Filtration method shall be selected based on the type and concentration of the dirt particles contained in the water. Wherever sand exceeding 2ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Wherever sand/ silt/ clay solids exceed 100ppm, pre-treatment shall be applied according to Netafim™ instructions

→ Technical Data

| Model | Nozzle Code Color | Nozzle Size (mm) | Constant K | Exponent X | Maximum Working Pressure (bar) | Wetted Diameter (M) | | Swivel (Rotor) Code Color |
|-------|-------------------|------------------|------------|------------|--------------------------------|----------------------|-----------------------|---------------------------|
| | | | | | | MR 20cm Above Ground | MRD 25cm Above Ground | |
| 027 | Brown | 0.75 | 6.7 | 0.5 | 2.5 | 4.5 | 2.0 | Brown |
| 040 | Blue | 0.90 | 9.4 | 0.5 | 2.5 | 5.5 | 2.5 | |
| 058 | Grey | 1.10 | 13.5 | 0.5 | 2.5 | 6.5 | 2.5 | |
| 070 | Black | 1.20 | 17.4 | 0.5 | 2.5 | 6.5 | 2.5 | |

→ Ordering Information

Flowchart to determine the desired product definition

How to use: To determine the desired product definition select one of every set of options displayed on the chart.

| Emitter | Dispersion Deflector | | Head Inlet Connector | | Upper Bearing | | Flow | | Stand Assembly | | Connector To Lateral | | Accessories | | |
|----------|-----------------------------|-----|----------------------|-------|---------------|------|-------|-----|-------------------------------|------------------------------|----------------------|------|-----------------------|------|--|
| | GYR | MR | Press fit | MIC | Everspin™ | ESUB | 27l/h | 027 | Head only | HEAD ONLY | Barb | BC | Stream splitter | SP | |
| GyroNet™ | Middle range swivel | MR | Self tapping | STIC | Standard | STUB | 40l/h | 040 | Head + 60cm microtube + stake | 60CM W/ STK | Press fit | PFC | AD valve 1.5 / 0.7bar | AD15 | |
| | | | 3/8" Male threaded | 3/8IC | | | 58l/h | 058 | Head + 60cm microtube | 60CM W/O STK | 3/8" Conic press fit | 3/8C | | | |
| | Middle range with deflector | MRD | | | | | 70l/h | 070 | Head + 90cm microtube + stake | 90CM W/ STK | | | | | |
| | | | | | | | | | Head + 90cm microtube | 90CM W/O STK | | | | | |
| | | | | | | | | | | Head + Xcm microtube + stake | XXCM W/ STK | | | | |
| | | | | | | | | | | Head + Xcm microtube | XXCM W/O STK | | | | |

*When selecting an undefined tube length, add the desired length in writing.

→ Packaging Data

| GyroNet™ MR & MRD | Quantity P/Box Units | Box Size (cm x cm x cm) | Box Weight (kg) | Boxes P/Pallet | Total Units P/Pallet | Pallet Weight (kg) |
|---------------------------------|----------------------|-------------------------|-----------------|----------------|----------------------|--------------------|
| Head only | 1000 | 28 x 28 x 57 | 12.5 | 32 | 32000 | 412 |
| Complete stand (60cm) w/stake | 100 | 18 x 34 x 79 | 6.3 | 20 | 2000 | 137 |
| Complete stand (60cm) w/o stake | 250 | 18 x 34 x 79 | 7.1 | 20 | 5000 | 153 |
| Complete stand (90cm) w/stake | 150 | 28 x 27 x 113 | 7.6 | 18 | 2700 | 147 |
| Complete stand (90cm) w/o stake | 200 | 28 x 27 x 113 | 8.1 | 18 | 3600 | 155 |

→ GyroNet™ MR Head Only With Standard Upper Bearing

| Model & Nozzle Color | Swivel Color | STIC | MIC | 3/8IC |
|----------------------|--------------|------|--------------|-------|
| 027 / Brown | Dark pink | | 64000-000700 | |
| 040 / Blue | | | | |
| 058 / Grey | Black | | 64000-000710 | |
| 070 / Black | | | | |
| 090 / Orange | | | | |
| 120 / Red | | | | |
| 150 / Sky blue | Grey | | | |
| 200 / Yellow | | | | |
| 250 / Dark pink | | | | |
| 300 / Green | | | | |

→ GyroNet™ MR Head Only With Everspin™ Upper Bearing

| Model & Nozzle Color | Swivel Color | STIC | MIC | 3/8IC |
|----------------------|--------------|--------------|--------------|-------|
| 027 / Brown | Dark pink | 64000-000016 | | |
| 040 / Blue | | | 64000-000705 | |
| 058 / Grey | Black | | | |
| 070 / Black | | | 64000-000008 | |
| 090 / Orange | | | 64000-000010 | |
| 120 / Red | | | | |
| 150 / Sky blue | Grey | | | |
| 200 / Yellow | | | | |
| 250 / Dark pink | | | | |
| 300 / Green | | | | |

- Background color defines the code color of the respective swivel

→ GyroNet™ MR Assembly Stands With Stake*

How to use: Replace **X** with: inlet connector type / **Y** with: flow rate / **Z** with: microtube length

BC = Barb connector to lateral / PFC = Press fit to lateral

| | Flow Rate (l/h) | 60cm | | 90cm | |
|---|-----------------|------|-----|------|-----|
| | | STIC | MIC | STIC | MIC |
| BC Code Master GYR MR X STUB Y L/H Z CM W/STK BC Example GYR MR STIC STUB 027 L/H 60 CM W/STK BC | 27 | | | | |
| | 40 | | | | |
| | 58 | | | | |
| | 70 | | | | |
| | 90 | | | | |
| | 120 | | | | |
| | 150 | | | | |
| | 200 | | | | |
| | 250 | | | | |
| | 300 | | | | |
| PFC Code Master GYR MR X STUB Y L/H Z CM W/STK PFC Example GYR MR MIC STUB 040 L/H 90 CM W/STK PFC | 27 | | | | |
| | 40 | | | | |
| | 58 | | | | |
| | 70 | | | | |
| | 90 | | | | |
| | 120 | | | | |
| | 150 | | | | |
| | 200 | | | | |
| | 250 | | | | |
| | 300 | | | | |

→ GyroNet™ MR Assembly Stands Without Stake*

How to use: Replace **X** with: inlet connector type / **Y** with: flow rate / **Z** with: microtube length

BC = Barb connector to lateral / **PFC** = Press fit to lateral

| | | 60cm | | 90cm | | |
|------------|---|-----------------|------|------|------|-----|
| | | Flow Rate (l/h) | STIC | MIC | STIC | MIC |
| BC | <p>Code Master GYR MR X STUB Y L/H Z CM W/O STK BC</p> <p>Example GYR MR STIC STUB 090 L/H 60 CM W/O STK BC</p> | 27 | | | | |
| | | 40 | | | | |
| | | 58 | | | | |
| | | 70 | | | | |
| | | 90 | | | | |
| | | 120 | | | | |
| | | 150 | | | | |
| | | 200 | | | | |
| | | 250 | | | | |
| | | 300 | | | | |
| PFC | <p>Code Master GYR MR X STUB Y L/H Z CM W/STK PFC</p> <p>Example GYR MR MIC STUB 110 L/H 90 CM W/STK PFC</p> | 27 | | | | |
| | | 40 | | | | |
| | | 58 | | | | |
| | | 70 | | | | |
| | | 90 | | | | |
| | | 120 | | | | |
| | | 150 | | | | |
| | | 200 | | | | |
| | | 250 | | | | |
| | | 300 | | | | |

- Missing catalog numbers available upon request

- Other stand combinations can be ordered based on the attached flowchart which can help determine the desired product requirement.

→ GyroNet™ MRD Head Only With Standard Upper Bearing

| Model & Nozzle Color | Swivel Color | STIC | MIC | 3/8IC |
|----------------------|--------------|------|-----|-------|
| 027 / Brown | Dark pink | | | |
| 040 / Blue | | | | |
| 058 / Grey | Black | | | |
| 070 / Black | | | | |
| 090 / Orange | | | | |
| 120 / Red | | | | |
| 150 / Sky blue | Grey | | | |
| 200 / Yellow | | | | |
| 250 / Dark pink | | | | |
| 300 / Green | | | | |

→ GyroNet™ MRD Head Only With Everspin™ Upper Bearing

| Model & Nozzle Color | Swivel Color | STIC | MIC | 3/8IC |
|----------------------|--------------|--------------|-----|-------|
| 027 / Brown | Dark pink | | | |
| 040 / Blue | | 64000-000013 | | |
| 058 / Grey | Black | | | |
| 070 / Black | | | | |
| 090 / Orange | | | | |
| 120 / Red | | | | |
| 150 / Sky blue | Grey | | | |
| 200 / Yellow | | | | |
| 250 / Dark pink | | | | |
| 300 / Green | | | | |

- Background color defines the code color of the respective swivel

→ GyroNet™ MRD Assembly Stands With Stake*

How to use: Replace **X** with: inlet connector type / **Y** with: flow rate / **Z** with: microtube length

BC = Barb connector to lateral / **PFC** = Press fit to lateral

| | Flow Rate (l/h) | 60cm | | 90cm | |
|---|-----------------|------|-----|------|-----|
| | | STIC | MIC | STIC | MIC |
| BC Code Master GYR MRD X STUB Y L/H Z CM W/STK BC Example GYR MRD STIC STUB 027 L/H 60 CM W/STK BC | 27 | | | | |
| | 40 | | | | |
| | 58 | | | | |
| | 70 | | | | |
| | 90 | | | | |
| | 120 | | | | |
| | 150 | | | | |
| | 200 | | | | |
| | 250 | | | | |
| | 300 | | | | |
| PFC Code Master GYR MRD X STUB Y L/H Z CM W/STK PFC Example GYR MRD MIC STUB 040 L/H 90 CM W/STK PFC | 27 | | | | |
| | 40 | | | | |
| | 58 | | | | |
| | 70 | | | | |
| | 90 | | | | |
| | 120 | | | | |
| | 150 | | | | |
| | 200 | | | | |
| | 250 | | | | |
| | 300 | | | | |

→ GyroNet™ MRD Assembly Stands Without Stake*

How to use: Replace **X** with: inlet connector type / **Y** with: flow rate / **Z** with: microtube length

BC = Barb connector to lateral / **PFC** = Press fit to lateral

| | | 60cm | | 90cm | | |
|------------|--|-----------------|------|------|------|-----|
| | | Flow Rate (l/h) | STIC | MIC | STIC | MIC |
| BC | Code Master GYR MRD X STUB Y L/H Z CM W/O STK BC Example GYR MRD STIC STUB 090 L/H 60 CM W/O STK BC | 27 | | | | |
| | | 40 | | | | |
| | | 58 | | | | |
| | | 70 | | | | |
| | | 90 | | | | |
| | | 120 | | | | |
| | | 150 | | | | |
| | | 200 | | | | |
| | | 250 | | | | |
| | | 300 | | | | |
| PFC | Code Master GYR MRD X STUB Y L/H Z CM W/STK PFC Example GYR MRD MIC STUB 110 L/H 90 CM W/STK PFC | 27 | | | | |
| | | 40 | | | | |
| | | 58 | | | | |
| | | 70 | | | | |
| | | 90 | | | | |
| | | 120 | | | | |
| | | 150 | | | | |
| | | 200 | | | | |
| | | 250 | | | | |
| | | 300 | | | | |

- Missing catalog numbers available upon request

- Other stand combinations can be ordered based on the attached flowchart which can help determine the desired product requirement.