



GYRONET™ MR & MRD

MIDDLE RANGE & MIDDLE RANGE WITH DEFLECTOR

APPLICATIONS

Irrigation of tree plantations with mid-size root volumes.

BENEFITS AND FEATURES

Ensures higher crop uniformity

- Unique design of the sprinkler's rotor water channel.

Reduces maintenance and repair costs

- The GyroNet™ has an 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.

Suitable for diverse applications

- Specifically designed for fruit trees, orchards, deciduous and other tree crops requiring efficient water distribution.
- Can be used for Frost Mitigation and/or cooling irrigation systems.

SPECIFICATIONS

- MR means a revolving rotor irrigating a middle area.
- MRD stream deflector concentrates all the water in the area surrounding the young tree during the initial growing period. When the tree grows, the stream deflector can be broken off, thus enabling extended irrigation diameter.
- Micro-sprinkler, 4 different flow rates: 27, 40, 58, 70 l/h. Flow rates within pressure range. Nominal flow rates at 1.7 bar pressure.
- Maximum recommended working pressure: 2.5 bar
- Recommended filtration: 200 micron / 80 mesh. Filtration method to be selected based on the type and concentration of the dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Wherever sand/ silt/ clay solids exceed 100 ppm, pre-treatment shall be applied according to Netafim™ expert team's instructions.
- There are 3 types of inlet connectors:
 - Self-tapping
 - Press fit
 - 3/8" male threaded
- 2 types of upper bearing:
 - Standard - for normal water
 - Everspin™ - for harsh conditions
- The rotor is colored Brown for all different flows.
- GyroNet™ micro-sprinklers meet ISO 8026 standards (SI 1406) with production certified by the Israel Standards Institute (SII).

GYRONET™ MR & MRD TECHNICAL DATA

MODEL	NOZZLE CODE COLOR	NOZZLE SIZE (MM)	CONSTANT K	EXPONENT X	MAXIMUM WORKING PRESSURE (BAR)	WETTED DIAMETER (M)		SWIVEL (ROTOR) CODE COLOR
						MRD 25 CM ABOVE GROUND	MRD 25 CM 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	Brown
058	Gray	1.10	13.5	0.5	2.5	6.5	2.5	Brown
070	Black	1.20	17.4	0.5	2.5	6.5	2.5	Brown

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 (60 cm) w/stake	100	18 x 34 x 79	6.3	20	2000	137
Complete stand (60 cm) w/o stake	250	18 x 34 x 79	7.1	20	5000	153
Complete stand (90 cm) w/stake	150	28 x 27 x 113	7.6	18	2700	147
Complete stand (90 cm) w/o stake	200	28 x 27 x 113	8.1	18	3600	155

GYRONET™ MIDDLE RANGE & MIDDLE RANGE WITH DEFLECTOR

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.

