



SUPERNET™ 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 flow regulation mechanism.
- Unique design of the sprinkler rotor water channel.

Achieves optimal results in a varied topography area

- Thanks to its unique regulation mechanism, the SuperNet™ MR & MRD ensures uniform water and nutrient distribution around the tree, regardless of sprinkler's inlet pressures (within pressure range).

Reduces maintenance and repair costs

- The SuperNet™ has anti-ant mechanism preventing insect penetration into the area of the micro-sprinkler nozzle.
- The regulated micro-sprinkler is made of plastic materials resistant to all agrochemicals & weather conditions.

Offers higher reliability & longevity

- Long-term reliable service, simple, modular parts, clog resistant design.
- The water passage area is around 30% larger (depending on the flow rate) than in any other emitter with identical flow rate (largest passage on the market!) thus providing excellent clog resistance.

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.
- Flow regulated micro-sprinkler, 7 different flow rates: 20, 30, 35, 40, 50, 58, 70 l/h. Flow rates within pressure range.
- Pressure range 1.5-4.0 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 5 types of inlet connectors: Barb, Self-tapping, Press fit, 3/8", 1/2" male threaded.
- 4 types of upper bearing: Standard = STUB - for normal water, Everspin™ = ESUB - for harsh conditions, Spring = SPUB, Everspin+Spring = SPES.
- The rotor is colored Brown for all different flows.
- SuperNet™ micro-sprinklers meet ISO 8026 standards (SI 1406) with production certified by the Israel Standards Institute (SII).

SUPERNET™ TECHNICAL DATA

MODEL	FLOW RATE (L/H)*	NOZZLE CODE COLOR	NOZZLE SIZE (MM)	WORKING PRESSURE RANGE (BAR)	CONSTANT K	EXPONENT* X	WETTED DIAMETER (M)		SWIVEL (ROTOR) CODE COLOR
							MR MODEL 25 CM ABOVE GROUND	MRD MODEL 25 CM ABOVE GROUND	
020	20	Purple	0.89	1.5-4.0	20	0	4.5	2.5	Brown
030	30	Brown	1.14	1.5-4.0	30	0	4.5	2.5	Brown
035	35	Light blue	1.20	1.5-4.0	35	0	4.5	2.5	Brown
040	40	Blue	1.28	1.5-4.0	40	0	5.0	2.5	Brown
050	50	Green	1.43	1.5-4.0	50	0	5.0	2.5	Brown
058	58	Gray	1.55	1.5-4.0	58	0	6.0	3.0	Brown
070	70	Black	1.73	1.5-4.0	70	0	6.0	3.0	Brown

*within working pressure range

PACKAGING DATA

SUPERNET™ 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	500	28 x 28 x 57	10.1	32	16000	335
Complete stand , 60 cm micro tube length ,w/stake	100	18 x 34 x 79	8.3	20	2000	178
Complete stand , 60 cm micro tube length ,w/o stake	200	18 x 34 x 79	7.5	20	4000	162
Complete stand , 90 cm micro tube length ,w/stake	100	28 x 27 x 113	7.1	16	1600	124
Complete stand , 90 cm micro tube length ,w/o stake	200	28 x 27 x 113	6.7	16	3200	117

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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.

