

# SuperNet™ MR & MRD

## MIDDLE RANGE & MIDDLE RANGE WITH DEFLECTOR

Irrigation of tree plantations with  
mid-size root volumes.



Pressure  
compensated



Reduces  
maintenance



Higher reliability  
& longevity

Applications



Under tree  
irrigation as  
single head



Orchards  
frost  
mitigation



Orchards  
cooling

## / Benefits & Features

→ Ensures  
higher crop  
uniformity

Thanks to a unique design of pressure compensation mechanism and special design of the sprinkler swivel and water channel

→ Achieves  
optimal  
results  
in a varied  
topography  
area

With a unique pressure compensated mechanism, the SuperNet™ MR & MRD ensures uniform water and nutrient distribution around the tree, regardless of sprinkler's inlet pressures (within pressure range)

→ Reduced  
maintenance  
and higher  
reliability &  
longevity

The water passage area is 30% larger (depending on the flow rate) than industry standard eliminates clogging issues

Anti-ant mechanism preventing insect penetration into the area of the micro sprinkler nozzle

Special row materials made the SuperNet™ resistant to all agrochemicals & weather conditions

# Specifications & Recommendations

- ✓ MR is a dynamic swivel irrigating a Middle Range area as single head
- ✓ MRD, Middle 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.
- ✓ 7 different flow rates: 20, 30, 35, 40, 50, 58, 70l/h. Flow rates within pressure range
- ✓ Pressure range: 1.5-4.0bar
- ✓ 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, for upside-down installation
  - Everspin+Spring = SPES
- ✓ MR swivel color for all flow rates is Brown
- ✓ The regulation chamber is color coded for easy identification of the flow rate
- ✓ Conformity with ISO 8026 standards (SI 1406)
- ✓ Recommended filtration\*: 200mic. / 80 mesh

\*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	Flow Rate (l/h)*	Regulation Chamber Code Color	Nozzle Size (mm)	Working Pressure Range (bar)	Constant K	Exponent* X	Wetted Diameter (m)		Swivel (Rotor) Code Color
							MR Model 25cm Above Ground	MRD Model 25cm Above Ground	
020	20	Dark pink	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	
035	35	Light blue	1.20	1.5-4.0	35	0	4.5	2.5	
040	40	Blue	1.28	1.5-4.0	40	0	5.0	2.5	
050	50	Green	1.43	1.5-4.0	50	0	5.0	2.5	
058	58	Grey	1.55	1.5-4.0	58	0	6.0	3.0	
070	70	Black	1.73	1.5-4.0	70	0	6.0	3.0	

\* Within working pressure range

## → 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	
SuperNet™	SPN	Middle range swivel	MR	Barb	BIC	Everspin™	ESUB	20l/h	020	Head only	HEAD ONLY	Barb	BC	Stream splitter	SP
		Middle range with deflector	MRD	Press fit	MIC	spring	SPUB	30l/h	030	Head + 60cm microtube + stake	60CM W/ STK	Press fit	PFC	AD valve 1.5/ 0.7bar	AD15
				Self tapping	STIC	Standard	STUB	35l/h	035	Head + 60cm microtube	60CM W/O STK	3/8" Conic press fit	3/8C	AD valve 2.0/ 0.9bar	AD20
				3/8" Male threaded	3/8IC	Spring Everspin™	SPES	40l/h	040	Head + 90cm microtube + stake	90CM W/ STK			AD valve 3.0/ 1.5bar	AD30
				1/2" Male threaded	1/2IC			50l/h	050	Head + 90cm microtube	90CM W/O STK			AD valve 4.0/ 1.8bar	AD40
						58l/h	058	Head + Xcm microtube + stake	XXCM W/ STK						
						70l/h	070	Head + Xcm microtube	XXCM W/O STK						

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

## → Packaging Data

SuperNet™ MR & MRD	Qty. 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, 60cm micro tube length, w/stake	100	18 x 34 x 79	8.3	20	2000	178
Complete stand, 60cm micro tube length, w/o stake	200	18 x 34 x 79	7.5	20	4000	162
Complete stand, 90cm micro tube length, w/stake	100	28 x 27 x 113	7.1	16	1600	124
Complete stand, 90cm micro tube length, w/o stake	200	28 x 27 x 113	6.7	16	3200	117

## → SuperNet™ MR Head Only With Standard Upper Bearing

Model & Regulation Chamber Color	Swivel Color	BIC	STIC	MIC
020 / Dark pink	Dark pink	63500-200480		63500-200630
030 / Brown				63500-200631
035 / Light blue				63500-200632
040 / Blue				63500-200633
050 / Green	Black			63500-200634
058 / Grey				63500-200635
070 / Black				63500-200636
090 / Orange				
110 / Red				

- Background color defines the code color of the respective swivel

## → SuperNet™ MR Head Only With Everspin™ Upper Bearing

Model & Regulation Chamber Color	Swivel Color	BIC	STIC	MIC
020 / Dark pink	Dark pink		63500-200490	
030 / Brown			63500-200500	
035 / Light blue			63500-200501	
040 / Blue			63500-200502	
050 / Green	Black		63500-200503	
058 / Grey			63500-200504	
070 / Black			63500-200505	
090 / Orange				
110 / Red				

- Background color defines the code color of the respective swivel

## → SuperNet™ MR Head Only With Spring Upper Bearing

Model & Regulation Chamber Color	Swivel Color	BIC	STIC	MIC
020 / Dark pink	Dark pink	63500-000046	63500-000006	
030 / Brown				
035 / Light blue				
040 / Blue				
050 / Green	Black			
058 / Grey				
070 / Black				
090 / Orange				
110 / Red				

- Background color defines the code color of the respective swivel



→ SuperNet™ 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	BIC	STIC	MIC	BIC
<b>BC</b> Code Master SPN MR <b>X</b> STUB <b>Y</b> L/H <b>Z</b> CM W/STK BC  Example SPN MR <b>STIC</b> STUB <b>020</b> L/H <b>60</b> CM W/STK BC	20						
	30						
	35						
	40						
	50						
	58						
	70						
	90						
	110						
<b>PFC</b> Code Master SPN MR <b>X</b> STUB <b>Y</b> L/H <b>Z</b> CM W/STK PFC  Example SPN MR <b>MIC</b> STUB <b>020</b> L/H <b>30</b> CM W/STK PFC	20						
	30						
	35						
	40						
	50						
	58						
	70						
	90						
	110						



→ SuperNet™ 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

	Flow Rate (l/h)	60cm			90cm		
		STIC	MIC	BIC	STIC	MIC	BIC
<b>BC</b> Code Master SPN MR <b>X</b> STUB <b>Y</b> L/H <b>Z</b> CM W/O STK BC  Example SPN MR <b>STIC</b> STUB <b>020</b> L/H <b>60</b> CM W/O STK BC	20						
	30						
	35						
	40						
	50						
	58						
	70						
	90						
	110						
<b>PFC</b> Code Master SPN MR <b>X</b> STUB <b>Y</b> L/H <b>Z</b> CM W/O STK PFC  Example SPN MR <b>MIC</b> STUB <b>020</b> L/H <b>30</b> CM W/O STK PFC	20						
	30						
	35						
	40						
	50						
	58						
	70						
	90						
	110						

- 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.

→ SuperNet™ MRD Head Only With Standard Upper Bearing

Model & Regulation Chamber Color	Swivel Color	BIC	STIC	MIC
020 / Dark pink	Dark pink		63500-200768	63500-200611
030 / Brown				63500-200612
035 / Light blue				63500-200613
040 / Blue			63500-200770	63500-200610
050 / Green	Black			63500-200614
058 / Grey				63500-200615
070 / Black				63500-200620
090 / Orange				
110 / Red				

- Background color defines the code color of the respective swivel

→ SuperNet™ MRD Head Only With Everspin™ Upper Bearing

Model & Regulation Chamber Color	Swivel Color	BIC	STIC	MIC
020 / Dark pink	Dark pink		63500-200599	
030 / Brown			63500-200600	63500-000058
035 / Light blue			63500-200601	
040 / Blue			63500-200602	
050 / Green	Black		63500-200603	
058 / Grey			63500-200604	
070 / Black			63500-200605	
090 / Orange				
110 / Red				

- Background color defines the code color of the respective swivel

→ SuperNet™ MRD Head Only With Spring Upper Bearing

Model & Regulation Chamber Color	Swivel Color	BIC	STIC	MIC
020 / Dark pink	Dark pink			
030 / Brown				
035 / Light blue				
040 / Blue				
050 / Green	Black			
058 / Grey				
070 / Black				
090 / Orange				
110 / Red				

- Background color defines the code color of the respective swivel



→ SuperNet™ 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	BIC	STIC	MIC	BIC
<b>BC</b> Code Master SPN MRD <b>X</b> STUB <b>Y</b> L/H <b>Z</b> CM W/STK BC  Example SPN MRD <b>STIC</b> STUB <b>020</b> L/H <b>60</b> CM W/STK BC	20		63500-200750				
	30						
	35						
	40	63500-200760					
	50						
	58						
	70						
	90						
	110						
<b>PFC</b> Code Master SPN MRD <b>X</b> STUB <b>Y</b> L/H <b>Z</b> CM W/STK PFC  Example SPN MRD <b>MIC</b> STUB <b>020</b> L/H <b>30</b> CM W/STK PFC	20						
	30						
	35						
	40						
	50						
	58						
	70						
	90						
	110						



→ SuperNet™ 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

	Flow Rate (l/h)	60cm			90cm		
		STIC	MIC	BIC	STIC	MIC	BIC
<b>BC</b> Code Master SPN MRD <b>X</b> STUB <b>Y</b> L/H <b>Z</b> CM W/O STK BC  Example SPN MRD <b>STIC</b> STUB <b>020</b> L/H <b>60</b> CM W/O STK BC	20				63500-000039		
	30						
	35						
	40						
	50						
	58						
	70						
	90						
	110						
<b>PFC</b> Code Master SPN MRD <b>X</b> STUB <b>Y</b> L/H <b>Z</b> CM W/O STK PFC  Example SPN MRD <b>MIC</b> STUB <b>020</b> L/H <b>30</b> CM W/O STK PFC	20						
	30						
	35						
	40						
	50						
	58						
	70						
	90						
	110						

- Missing catalog numbers available upon request