GyroNet™ LR & LRD

LONG RANGE & LONG RANGE WITH DEFLECTOR

Irrigation of tree plantations with large root volumes in flat terrains.





Anti-ant mechanism

High clogging resistance

Higher reliability & longevity

Applications

Under tree irrigation as single head

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

- LR is a dynamic swivel irrigating a Long Range area as single head
- LRD = Long 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
- **10 Different Flow Rates –** 27, 40, 58, 70, 90, 120, 150, 200, 250, 300l/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
- LR swivel colored purple for flows 27-40, black for 70-120 and grey for 150-300l/h
- The nozzle is color coded for easy identification of the flow rate
- Conformity with ISO 8026 standards (SI 1406)
- **Recommended Filtration* –** 200mic. / 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

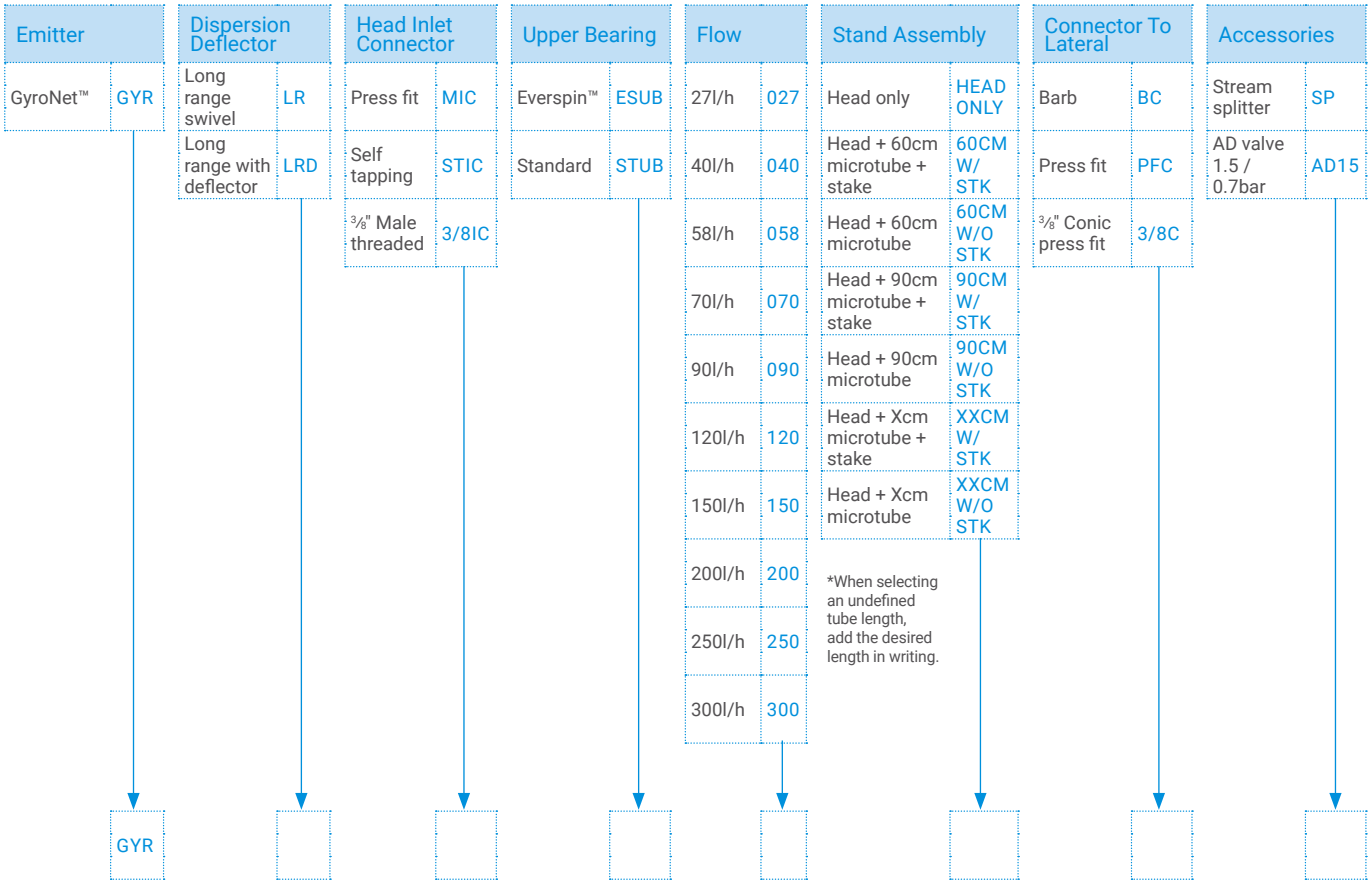
→ Technical Data

Model	Nozzle Code Color	Nozzle Size (mm)	Constant K	Exponent X	Maximum Working Pressure (bar)	Wetted Diameter (m)		Swivel (Rotor) Code Color
						LR 20cm Above Ground	LRD 20cm Above Ground	
027	Brown	0.75	6.7	0.5	2.5	4.0	1.5	Dark pink
040	Blue	0.90	9.4	0.5	2.5	5.5	1.5	
058	Grey	1.10	13.5	0.5	2.5	7.0	1.5	Black
070	Black	1.20	17.4	0.5	2.5	7.0	2.0	
090	Orange	1.40	22.4	0.5	2.5	7.0	2.0	
120	Red	1.57	28.8	0.5	2.5	8.0	2.0	
150	Sky blue	1.77	37.5	0.5	2.5	8.5	N/A	Grey
200	Yellow	2.04	49.1	0.5	2.5	9.5	N/A	
250	Dark pink	2.28	61.9	0.5	2.5	10.0	N/A	
300	Green	2.48	73.2	0.5	2.5	11.0	N/A	

→ 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.



→ Packaging Data

GyroNet™ LR & LRD	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™ LR 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				64000-078621
120 / Red				64000-078800
150 / Sky blue	Grey			64000-079000
200 / Yellow				
250 / Dark pink				
300 / Green				

⟶ GyroNet™ LR Head Only With Everspin™ 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				

- Background color defines the code color of the respective swivel

⟶ GyroNet™ LR 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 STIC	60cm MIC	90cm STIC	90cm MIC
BC	**Code Master** GYR LR **X** STUB **Y** L/H **Z** CM W/STK BC **Example** GYR LR **STIC** STUB **027** L/H **60** CM W/STK BC	27	64000-000880		64000-000930	
		40	64000-001400	64000-020700	64000-001800	64000-021100
		58			64000-002296	
		70	64000-002700	64000-022000	64000-003100	64000-022400
		90	64000-003575			
		120	64000-004000	64000-023300	64000-004400	64000-023700
		150				
		200				
		250				
		300				

PFC	**Code Master** GYR LR **X** STUB **Y** L/H **Z** CM W/STK PFC **Example** GYR LR **MIC** STUB **040** L/H **90** CM W/STK PFC	27				
		40	64000-001300	64000-020600	64000-001700	64000-021000
		58	64000-002290			
		70	64000-002600	64000-021900	64000-003000	64000-022300
		90				64000-022854
		120		64000-023200	64000-004300	64000-023600
		150				64000-037000
		200				
		250				
		300				

⟶ GyroNet™ LR 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 LR **X** STUB **Y** L/H **Z** CM W/O STK BC **Example** GYR LR **STIC** STUB **090** L/H **60** CM W/O STK BC	27	64000-000835			
		40	64000-001200	64000-020500	64000-001600	64000-020900
		58	64000-002285		64000-002295	
		70	64000-002500	64000-021800	64000-003110	64000-022200
		90	64000-003570		64000-003578	64000-023500
		120		64000-023100	64000-004200	
		150		64000-035750		
		200		64000-071560		
		250				
		300				
PFC	**Code Master** GYR LR **X** STUB **Y** L/H **Z** CM W/O STK PFC **Example** GYR LR **MIC** STUB **110** L/H **90** CM W/O STK PFC	27	64000-000850			64000-500320
		40	64000-001100	64000-020400	64000-001500	64000-020800
		58	64000-002280			
		70	64000-002400	64000-021700	64000-002800	64000-022100
		90	64000-003578			
		120	64000-003700	64000-023000	64000-004100	64000-023640
		150	64000-004853	64000-070050		64000-070500
		200				
		250				64000-073500
		300		64000-074550		

- 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™ LRD 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™ LRD Head Only With Everspin™ 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				

- Background color defines the code color of the respective swivel

⟶ GyroNet™ LRD 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

			60cm		90cm	
		Flow Rate (l/h)	STIC	MIC	STIC	MIC
BC	**Code Master** GYR LRD **X** STUB **Y** L/H **Z** CM W/STK BC **Example** GYR LRD **STIC** STUB **027** L/H **60** CM W/STK BC	27		64000-024180		64000-024190
		40	64000-005300	64000-024600	64000-005700	64000-025000
		58		64000-025415		
		70	64000-006550	64000-025850	64000-006950	64000-026160
		90		64000-026657		64000-026685
		120	64000-007800	64000-027100	64000-008200	
		150				64000-027500
		200				64000-000017
		250				
		300				
PFC	**Code Master** GYR LRD **X** STUB **Y** L/H **Z** CM W/STK PFC **Example** GYR LRD **MIC** STUB **040** L/H **90** CM W/STK PFC	27				
		40	64000-005200	64000-024500	64000-005600	64000-024900
		58				64000-025430
		70	64000-006450	64000-025750	64000-006850	64000-026150
		90				64000-026690
		120	64000-007700	64000-027000	64000-008100	64000-027400
		150				
		200				
		250				
		300				

⟶ GyroNet™ LRD 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 LRD **X** STUB **Y** L/H **Z** CM W/O STK BC **Example** GYR LRD **STIC** STUB **090** L/H **60** CM W/O STK BC	27				
		40	64000-005100	64000-024400	64000-005500	64000-024800
		58				
		70	64000-006290	64000-025650	64000-006750	64000-026050
		90				
		120	64000-007600	64000-026900	64000-007900	64000-027300
		150				
		200				
		250				
		300				
PFC	**Code Master** GYR LRD **X** STUB **Y** L/H **Z** CM W/STK PFC **Example** GYR LRD **MIC** STUB **110** L/H **90** CM W/STK PFC	27				
		40	64000-005000	64000-024300	64000-005400	64000-024700
		58				
		70	64000-006250	64000-025550	64000-006650	64000-025950
		90		64000-026660		64000-026660
		120	64000-007500	64000-026800	64000-007900	64000-027200
		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.