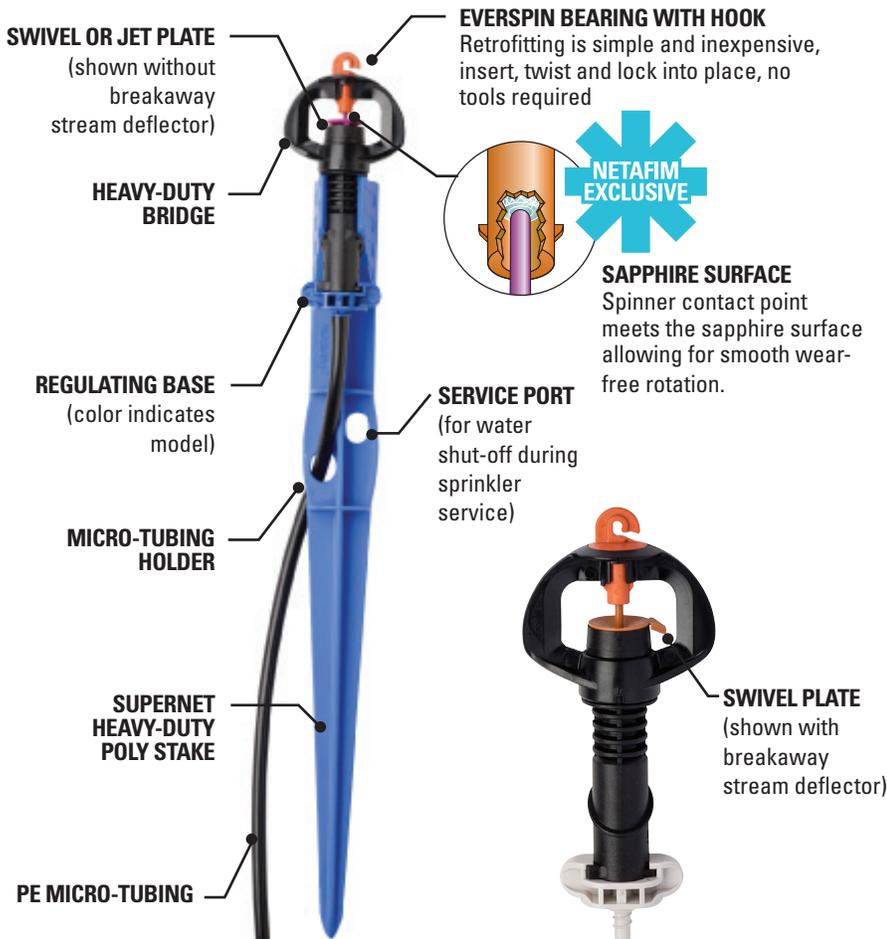


# MICRO-SPRINKLERS

## SUPERNET

## PRESSURE REGULATED, BUG-PROOF MICRO-SPRINKLER



### APPLICATIONS

- For orchard, vineyard and nursery micro-sprinkler installations where flow regulation and insect resistance is desired.

### SPRAY OPTIONS

#### SWIVEL SPRAY

- LR (Long Range) - Designed for maximum coverage on wider spacings and larger root zones.
- MR (Medium Range) - Designed for efficient irrigation including the middle area.
- SR (Short Range) - Designed for closer spacings and applications where dry middles are desired.
- LRD (Long Range with Breakaway Stream Deflector)
- MRD (Medium Range with Breakaway Stream Deflector)
- SRD (Short Range with Breakaway Stream Deflector).

#### JET SPRAY

- 12 Stream Pattern: 360°
- 10 Stream Pattern: 300°
- 8 Stream Butterfly Pattern: 2 x 120°
- 6 Stream Pattern: 180°

### SPECIFICATIONS

- Base connection options:
  - Quick-Connect thread (standard)
  - Barb (special order)
- Flow range:
  - 5.3 to 23.8 GPH - Swivel
  - 7.9 to 23.8 GPH - Jet
- Wetted diameter:
  - 4.9 to 23.0 feet - Swivel
  - 11.2 to 20.3 feet - Jet
- Recommended pressure range: 22 - 58 psi
- Recommended filtration: 80 Mesh

### SPRINKLER MOUNTING OPTIONS

- Suspended from trellis wire by integral hook.
- Placed in the ground with one of two SuperNet stake options.

### PRODUCT ADVANTAGES

- Wide regulating range and floating, self-flushing diaphragm maintains uniform flow across broad pressure range.
- Highest distribution uniformity - unique nozzle tube prevents negative effects of varying inlet pressure on the wetted diameter.
- The largest water passages on the market – resists clogging.
- Drop down “bug-proof” swivel/jet plate prevents entry of insects.
- Engineering-grade materials and heavy-duty bearing results in superior endurance and long-term reliable uniformity.
- Everspin bearing has a layer of sapphire material to reduce friction and wear, promoting long-lasting sprinkler performance.
- Bearing keeps the swivel centered during operation and improves start-up.

## LRD/MRD/SRD SWIVEL PRODUCES LARGER WETTED DIAMETER

SuperNet's LRD/MRD/SRD (Long Range/Medium Range/Short Range Swivel) swivel sprays a wider pattern resulting in a larger wetted diameter and provides these added benefits:



- Irrigates a greater area of a young tree's developing root zone
- Applies a uniform application of water around the tree
- Promotes healthier root development
- Improves nutrient and moisture uptake
- Helps to flush salts away from the tree
- Saves water as less irrigation time is required

### WITHOUT STREAM DEFLECTOR

STANDARD SWIVEL	WETTED DIAMETER
Purple, Long Range (LR)	14.8' to 19.7'
Black, Long Range (LR)	21.3' to 23'
Brown, Medium Range (MR)	14.8' to 19.7'
Blue, Short Range (SR)	10.5' to 19.7'

### WITH STREAM DEFLECTOR

SWIVEL WITH STREAM DEFLECTOR	WETTED DIAMETER
Purple, Long Range with Deflector (LRD)	5.0'
Black, Long Range with Deflector (LRD)	6.6'
Medium Range with Deflector (MRD)	7.9'
Blue, Short Range with Deflector (SRD)	5.9'

## SWIVEL SPRAY OPTIONS

Netafim offers a broad selection of swivel spray options with various flow rates and wetted diameters to meet your specific needs. Plant spacing will determine the appropriate swivel for your application. For example: a field with trees spaced 18 feet apart requires a wetted diameter of 18 feet. To achieve this, flow rates between 7.4 and 10.6 GPH are recommended.

### WITHOUT STREAM DEFLECTOR



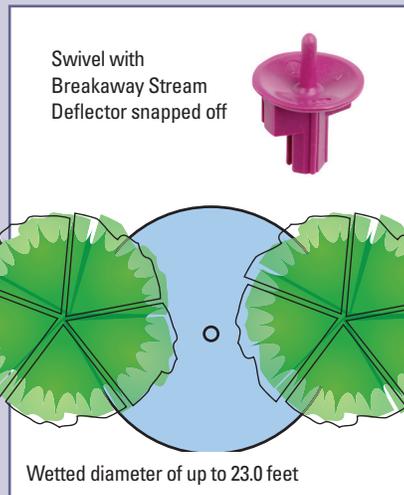
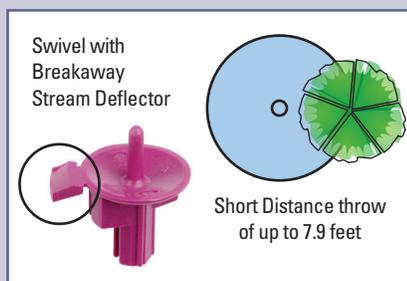
### WITH STREAM DEFLECTOR



## HOW THE SWIVEL WORKS

### FOR YOUNG TREES

LRD/MRD/SRD swivel comes standard with a Breakaway Stream Deflector. The Stream Deflector concentrates all the water on the area surrounding the young tree during the early growth stage.



### FOR MATURE TREES

As the tree matures, the Stream Deflector can be snapped off allowing for normal operation. When the Deflector is snapped off, water coverage expands to irrigate the mature tree's larger root zone.

## CONVERSION TO JET SPRAY PATTERNS

Switching from a rotating swivel spray to a fixed jet stream plate is easy and economical. First, remove the orange Everspin bearing and the swivel. Then replace it with a jet stream pattern plate of your choice and a new square upper bearing.



**AVAILABLE  
ORANGE  
JET SPRAY  
PATTERNS**



12 Stream  
360°



10 Stream  
300°



8 Stream Butterfly  
2 x 120°



6 Stream  
180°

## OPTIONAL COMPONENTS



### SUPERNET STEEL STAKE

Ideal for applications where high riser heights are required and installs in dry, hard soils - no need to pre-wet.

SuperNet Steel Stake consists of:

- Poly adapter
- ¼" steel stake - available in 24" or 48" lengths



### STREAM SPLITTER

Divides the stream to eliminate water on trunk

## FILTRATION FOR MICRO-SPRINKLER IRRIGATION SYSTEMS

To prolong the performance of your micro-sprinklers and ensure irrigation system reliability and efficiency, Netafim recommends the use of a filtration system. We offer advanced filtration technologies including Media, Disc and Sand separators in a full range of sizes to meet specific flow range requirements and applications.



**MEDIA FILTERS** - Sand Media Filter Batteries are durable corrosion-proof media filters for surface or well water with high concentrations of algae, sand, and other organic materials.



**DISC FILTERS** - Apollo Disc-Kleen Filter Batteries are used for irrigation systems requiring high volumes of water. Disc filter elements (spines and rings) provide quality depth filtration while achieving maximum performance and low maintenance.



**HYDROCYCLONE SAND SEPARATORS** - separate sand and remove silt and other solid matter from water with better than 90% efficiency.

### CAUTION:

- Avoid using harsh chemicals, such as acids.
- Fertilizers and amendments, such as gypsum and lime, can clog and cause premature wearing of the sprinkler. Netafim does not recommend utilizing the irrigation system to apply these chemicals to the crop.

## TECHNICAL INFORMATION

### SWIVEL PERFORMANCE

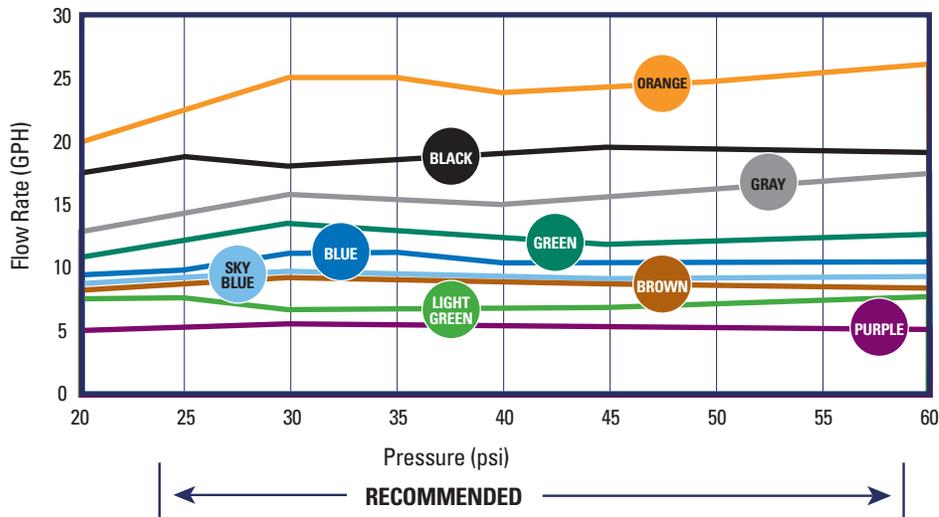
NOZZLE SIZE	MODEL # NOZZLE COLOR	NOMINAL FLOW RATE	LR SWIVEL COLOR	WETTED DIAMETER (FT)		MR SWIVEL COLOR	WETTED DIAMETER (FT)		SR SWIVEL COLOR	WETTED DIAMETER (FT)	
				LR	LRD		MR	MRD		SR	SRD
.035"	#20 Purple	5.3 GPH	Purple	14.8	4.9	-	-	-	Blue	8.2	5.9
.045"	#28 Light Green	7.4 GPH	Purple	19.7	4.9	Brown	14.8	8.2	Blue	11.5	5.9
.045"	#30 Brown	7.9 GPH	Purple	19.7	4.9	Brown	14.8	8.2	Blue	11.5	5.9
.047"	#35 Sky Blue	9.2 GPH	Purple	19.7	4.9	Brown	14.8	8.2	Blue	11.5	5.9
.050"	#40 Blue	10.6 GPH	Purple	19.7	4.9	Brown	16.4	8.2	Blue	11.5	5.9
.056"	#50 Green	13.2 GPH	Black	23.0	4.9	Brown	16.4	8.2	Blue	14.8	5.9
.061"	#58 Gray	15.3 GPH	Black	23.0	4.9	Brown	19.7	9.8	Blue	14.8	5.9
.068"	#70 Black	18.5 GPH	Black	23.0	6.6	Brown	19.7	9.8	Blue	16.4	5.9
.069"	#90 Orange	23.8 GPH	Black	23.0	6.6	-	-	-	Blue	16.4	6.6

NOTE: • LR = Long Range, LRD = Long Range with Stream Deflector, MR = Medium Range, MRD = Medium Range with Stream Deflector, SR = Short Range, SRD = Short Range with Stream Deflector  
 • GPH = Gallons per Hour (Average Mean Flow 25-50 psi)  
 • Diameters at 8' above ground

### JET PLATE PERFORMANCE

NOZZLE SIZE	MODEL # NOZZLE COLOR	NOMINAL FLOW RATE	SWIVEL COLOR	WETTED DIAMETER (FT)			
				12 STREAM 360°	10 STREAM 300°	8 STREAM BUTTERFLY	6 STREAM 180°
.045"	#30 Brown	7.9 GPH	Orange	12.5	11.2	11.2	18.4
.047"	#35 Sky Blue	9.2 GPH	Orange	15.1	14.4	13.1	18.4
.050"	#40 Blue	10.6 GPH	Orange	17.7	17.7	14.4	18.4
.056"	#50 Green	13.2 GPH	Orange	18.4	17.7	14.4	18.4
.061"	#58 Gray	15.3 GPH	Orange	18.4	19.0	16.4	20.3
.068"	#70 Black	18.5 GPH	Orange	19.0	19.0	16.4	20.3
.069"	#90 Orange	23.8 GPH	Orange	19.0	19.0	16.4	20.3

### FLOW VS. PRESSURE



### ORDERING INFORMATION

For Item and Model Numbers, please contact Netafim USA Customer Service at (888) 638-2346.



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