

# GYRONET™ SR & SRD

### MEDIUM RANGE & MEDIUM RANGE WITH DEFLECTOR



### **APPLICATIONS**

Irrigation of tree plantations, and orchards where ground is shaded by the foliage, leaving dry strips between the rows.

#### **SPECIFICATIONS**

- SR means a revolving rotor irrigating a medium sized area.
- SRD 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, 10 different flow rates: 27, 40, 58, 70, 90, 120, 150, 200, 250, 300 l/h.
  Nominal flow rates at 1.7 bar pressure.
- Maximum recommended working pressure: 2.5 bar.
- Recommended filtration: 200 micron / 80 mesh.

Filtration method is to be selected based on the kind and concentration of the dirt particles existing in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydro-cyclone filter is to be installed before the main filter. When sand/ silt/ clay solids exceed 100 ppm, pre treatment will be applied according to Netafim<sup>TM</sup> expert team's instructions.

• 3 types of inlet connectors:

Self tapping

Press fit

3/8" male threaded

4 types of upper bearing:

Standard - for normal water

Everspin<sup>™</sup> - for harsh condition

With spring - for upside down application

Spring Everspin<sup>™</sup> for upside down application under harsh condition

The rotor is colored Blue.

## **FEATURES AND BENEFITS**

- Anti-ant mechanism prevents insect penetration into the area of the micro-sprinklers nozzle.
- Micro-sprinkler made of plastic materials resistant to all agrochemicals & weather conditions.
- Specially designed for fruit trees, orchards, deciduous and other tree crops.
- Can be used in Frost mitigation and/or Cooling irrigation systems.
- Long-term reliable service, simple, modular parts.



# GYRONET™ TECHNICAL DATA

| MODEL | NOZZLE<br>CODE COLOR | NOZZLE<br>SIZE<br>(MM) | CONSTANT | EXPONENT | MAXIMUM<br>WORKING | WETTED DIA                     | SWIVEL                          |                       |
|-------|----------------------|------------------------|----------|----------|--------------------|--------------------------------|---------------------------------|-----------------------|
|       |                      |                        | К        | X        | PRESSURE<br>(BAR)  | SR<br>20 CM<br>ABOVE<br>GROUND | SRD<br>20 CM<br>ABOVE<br>GROUND | (ROTOR)<br>CODE COLOR |
| 027   | Brown                | 0.75                   | 6.7      | 0.5      | 2.5                | 4.5                            | 1.3                             | Blue                  |
| 040   | Blue                 | 0.90                   | 9.4      | 0.5      | 2.5                | 4.5                            | 1.3                             | Blue                  |
| 058   | Gray                 | 1.10                   | 13.5     | 0.5      | 2.5                | 5.0                            | 1.3                             | Blue                  |
| 070   | Black                | 1.20                   | 17.4     | 0.5      | 2.5                | 5.5                            | 1.3                             | Blue                  |
| 090   | Orange               | 1.40                   | 22.4     | 0.5      | 2.5                | 6.0                            | 1.3                             | Blue                  |
| 120   | Red                  | 1.57                   | 28.8     | 0.5      | 2.5                | 6.5                            | 1.3                             | Blue                  |
| 150   | Sky Blue             | 1.77                   | 37.5     | 0.5      | 2.5                | 7.0                            | 2.5                             | Blue                  |
| 200   | Yellow               | 2.04                   | 49.1     | 0.5      | 2.5                | 8.5                            | 2.5                             | Blue                  |
| 250   | Purple               | 2.28                   | 61.9     | 0.5      | 2.5                | 8.5                            | 3.5                             | Blue                  |
| 300   | Green                | 2.48                   | 73.2     | 0.5      | 2.5                | 8.5                            | 3.5                             | Blue                  |

## **PACKAGING DATA**

| GYRONET™ SR & SRD                | QUANTITY P/BOX<br>UNITS | BOX SIZE<br>(CM X CM X CM) | BOX WEIGHT<br>(KG) | BOXES<br>P/PALLET | TOTAL UNITS<br>P/PALLET | PALLET WEIGHT<br>(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™ SHORT RANGE & SHORT 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.

| EMITTER  |    |   | DISPERSION<br>DEFLECTOR          |     | HEAD INLET<br>CONNECTOR |       | UPPER BEARING       |      | FLOW    |     | STAND ASSEMBLY   |                | CONNECTOR<br>TO LATERAL    |      | ACCESSORIES        |      |
|----------|----|---|----------------------------------|-----|-------------------------|-------|---------------------|------|---------|-----|--|----------------|----------------------------|------|--------------------|------|
| GyroNet™ | GY | R | Short Range<br>swivel            | SR  | Press fit male          | MIC   | Everspin™           | ESUB | 27 l/h  | 027 | Head only  | HEAD<br>ONLY   | Barb                       | вс   | Stream<br>splitter | SP   |
|          |    |   |                                  |     |                         |       | Spring              | SPUB | 40 l/h  | 040 |  |                | Press fit                  | PFC  | AD valve           |      |
|          |    |   | Short<br>Range with<br>deflector | SRD | Self tapping            | STIC  | Standard            | STUB | 58 l/h  | 058 | Head + 60 cm<br>microtube + Stake  | , ,            | 3/8"<br>conic<br>press fit |      | 1.5/0.7<br>bar     | AD15 |
|          |    |   |                                  |     | 3/8" male<br>threaded   | 3/8IC | Spring<br>Everspin™ | SPES | 70 l/h  | 070 |  |                |                            | 3/8C | Dai                | 7    |
|          |    |   |                                  |     |                         |       |                     |      | 90 l/h  | 090 | Head + 60 cm<br>microtube  | 60CM<br>W/OSTK |                            |      |                    |      |
|          |    |   |                                  |     |                         |       |                     |      | 120 l/h | 120 | Head + 90 cm   | 90CM           |                            |      |                    |      |
|          |    |   |                                  |     |                         |       |                     |      | 150 l/h | 150 | microtube + Stake  | W/STK          |                            |      |                    |      |
|          |    |   |                                  |     |                         |       |                     |      | 200 l/h | 200 | Head + 90 cm<br>microtube  | 90CM<br>W/OSTK |                            |      |                    |      |
|          |    |   |                                  |     |                         |       |                     |      | 250 l/h | 250 | Head + XXX cm  | STL            |                            |      |                    |      |
|          |    |   |                                  |     |                         |       |                     |      | 300 l/h | 300 | microtube + Stake  | W/STK          |                            |      |                    |      |
|          |    |   |                                  |     |                         |       |                     |      |         |     | Head + XXX cm<br>microtube   | STL<br>W/OSTK  |                            |      |                    |      |
|          |    |   |                                  |     |                         |       |                     |      |         |     | *When selecting an<br>undefined tube leng<br>add the desired leng<br>in writing. | th,            |                            |      |                    |      |
|          |    |   |                                  |     | ] [                     |       |                     |      |         |     | ]  |                | [                          |      | ] [                |      |

