



## PULSAR™ WITH GYRONET™ HEAD

### PRESSURE COMPENSATED PULSATOR

#### APPLICATIONS

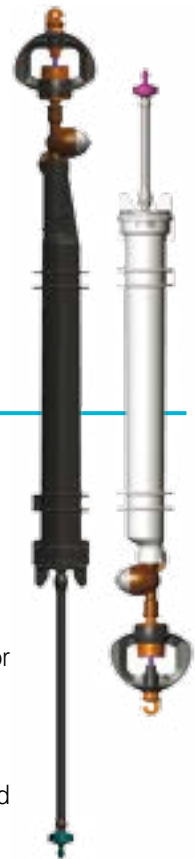
- Frost-mitigation in fruit trees.
- Cooling of fruit trees and other crops.

#### SPECIFICATIONS

- Pressure compensated micro-sprinkler.  
Consists of a flow regulator (Pressure Compensated dripper), a micro tube connecting between the regulator and the pulsator chamber inlet, pulsator tubing with an air bag inside, AD valve and micro-sprinkler head.
- Pressure regulating range: 2.5-4.0 bar.  
Minimum working pressure at the pressure compensated dripper inlet: 2.5 bar.  
Micro-sprinkler height above distributor pipe should be added to the required minimum recommended working pressure, when calculating the minimal pressure required for product's proper operation.
- Recommended filtration: 130 micron / 120 mesh.  
Filtration method is to be selected based on the kind and concentration of the dirt particles contained in the water.  
Wherever sand in the water exceeds 2 ppm exists, Hydrocyclone sand separator is to be installed before the main filter.  
When sand / silt / clay exceed 100 ppm, pre-treatment will be applied according to Netafim™ expert team's instructions.
- Flow rates: 8, 12, 15, 20, 25 l/h.
- 3 different swivels : SR, SRD, SSR (distribution data attached).
- Recommended installation: one emitter above each tree or according to the crop needs.
- In order to ensure the water covering pattern, make sure that the poles / rods / stakes on which the Pulsar's are to be installed, are absolutely vertical.
- Inlet connectors: barb.
- Can be mounted on wood or metal stakes.
- Chemical resistant to standard nutrients used in agricultural.

#### FEATURES AND BENEFITS

- The Pulsar™-GyroNet™ frost-mitigation / cooling system operates using as little as 15 m<sup>3</sup>/h hectare (depending on trees spacing) - less than 50% the water required by full-coverage sprinkler systems.
- Several pulses per minute, according to the selected flow rate, ensure continuous irrigation over a large area for many hours.
- Pressure compensated: Precise and equal amounts of water are delivered over a broad pressure range. 100 % uniformity of water distribution along the laterals.
- Unique regulation mechanism makes it the perfect choice for hillside applications or longer rows.
- Soil saturation / flooding are avoided even after many hours of irrigation.
- The water supply system including pump, filtration system, pipes and fittings is relatively small and far less expensive to purchase, install and maintain.
- Micro-sprinkler made of plastic materials resistant to standard nutrients used in agricultural and weather conditions.
- Energy and water saving.
- Simple, modular parts.
- Distributes relatively small water amounts over a large wetted area.



## PULSAR™ WITH GYRONET™ HEAD IN UP RIGTH (UR) INSTALLATIONS

MODEL	FLOW RATE (L/H)	WETTED DIAMETER* (M)	WETTED AREA (M²)	PRECIPITATION RATE AVERAGE (MM/H)
GyroNet SR	8	4.0	12.6	0.6
GyroNet SR	12	5.0	19.6	0.6
GyroNet SR	15	5.0	19.6	0.8
GyroNet SR	20	5.5	23.8	0.8
GyroNet SR	25	6.0	28.3	0.9
GyroNet SRD	8	2.5	4.9	1.6
GyroNet SRD	12	2.5	4.9	2.4
GyroNet SRD	15	2.5	4.9	3.1
GyroNet SRD	20	3.0	7.1	2.8
GyroNet SRD	25	3.0	7.1	3.5
GyroNet SSR	8	1.5	1.8	4.5
GyroNet SSR	12	2.0	3.1	3.8
GyroNet SSR	15	2.5	4.9	3.1
GyroNet SSR	20	2.5	4.9	4.1
GyroNet SSR	25	3.0	7.1	3.5

\* wetted diameter at 2.5 bar pressure at the flow regulator inlet and at 0.5 meter above crop

## PULSAR™ WITH GYRONET™ HEAD IN UPSIDE DOWN (UD) INSTALLATIONS

MODEL	FLOW RATE (L/H)	WETTED DIAMETER* (M)	WETTED AREA (M²)	PRECIPITATION RATE AVERAGE (MM/H)
GyroNet SR	12	3.5	9.6	1.2
GyroNet SR	15	3.5	9.6	1.6
GyroNet SR	20	3.5	9.6	2.1
GyroNet SSR	12	2.0	3.1	3.8
GyroNet SSR	15	2.0	3.1	4.8
GyroNet SSR	20	2.0	3.1	6.4

\* wetted diameter at 2.5 bar pressure at the flow regulator inlet and at 0.5 meter above crop

## PACKAGING DATA

PULSAR™	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 (UR tube+AD valve+GyroNet)	150	36 X 31 X 53	7.2	18	2700	142
Head only (UD tube+AD valve+GyroNet)	80	28 X 28 X 57	9.1	32	2560	291
Complete UR stand (120 cm.) w/o stake	50	28 x 27 x 113	8.8	16	800	141
Complete UR stand (200 cm.) w/o stake	50	28 x 27 x 113	9.2	16	800	147
Complete UD stand (30 cm.) w/o stake	100	28 x 27 x 113	15.2	16	1600	243

## PULSAR™ WITH GYRONET™ HEAD

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.

