



PULSAR™

PRESSURE COMPENSATED PULSATOR

DISTRIBUTES RELATIVELY SMALL WATER AMOUNTS OVER A LARGE WETTED AREA

APPLICATIONS

- Frost mitigation in vineyards.
- Frost mitigation in fruit trees.
- Cooling in vineyards, fruit trees and open field crops.
- Long shift irrigation.

SPECIFICATIONS

- Pressure-compensation range up to 4.0 bar, minimum required pressure according to specific micro-emitter head.
- 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 contained in the water exceed 2 ppm, Hydrocyclon filter 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.
- 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-emitter head according to the specific application designed for the product.
- UV resistant.
- Chemical resistant to standard nutrients used in agriculture.
- Several techniques/ adapters/ fittings offered for installation in the field.

FEATURES AND BENEFITS

- Pressure compensated: Precise and equal amounts of water are delivered over a broad pressure range. 100% uniformity of water distribution along the laterals.
- Several pulses per minute, according to the selected flow rate, ensure continuous irrigation over a large area for many hours.
- 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.

APPLICATION-REQUIRED HEAD	STRIPNET™	GYRONET™ SSR	MISTNET™	GYRONET™ SR
Frost mitigation in vineyards	X			
Frost mitigation in fruit trees		X		X
Cooling and/or humidification			X	
Long shift irrigation		X		X

PULSAR™ UR WITH STRIPNET™ HEAD

APPLICATIONS

- Strip frost-mitigation in vineyards.
- Cooling of trellised crops.

SPECIFICATIONS

- Pressure compensated static micro-emitter.
- Widest pressure regulating range: 2.5-4.0 bar.
(2.5 bar minimum working pressure at the compensated dripper inlet).
- Micro-emitter height above distributor pipe should be added to the recommended working pressure when calculating it for the product proper operation.
- Recommended flow rate: 12 l/h.
- Rectangular water covering pattern: 0.5 meters wide * 5.5 meters long.
- Inlet connectors: barb.
- Recommended filtration: 130 micron / 120 mesh.
- Maximum recommended distance between heads: 5.0 meters.
- One active, brown colored nozzle; one plugged, black colored nozzle.
- Can be mounted on wood or metal stakes.
- No moving parts.
- Chemical resistant to standard nutrients used in agriculture.

FEATURES AND BENEFITS

- Unique regulation mechanism makes it the perfect choice for hillside applications or longer rows.
- The Pulsar™-StripNet™ frost-mitigation system operates using as little as 10 m³/h hectare (depending on vine row spacing) - less than 70% the water required by full-coverage sprinkler systems.
- Micro-emitter made of plastic materials resistant to any weather conditions and standard nutrients used in agriculture.
- Energy and water saving.
- Simple, modular parts.



DESCRIPTION AND CATALOG NUMBER SAMPLE

CATALOG NUMBER: 63700-005000

SAP DESCRIPTION: PLSR URB 012 STR31 ADBLUP 120CM W/O ADP

PRODUCT COMPONENTS: Pulsar™, Flow regulator 12 l/h, 120 cm micro-tube, tube with barb inlet connector, AD valve with blue pin, StripNet™ head with one active nozzle.

COMMENTS:

- No adapter included.
- Other micro-tubes length available.
- Strongly recommended to use UV protected bands to fit the Pulsar™ tube to the stake/pole (recommended product and catalog number on the last page).
- Other configurations available on request.

PULSAR™ UR WITH GYRONET™ HEAD

APPLICATIONS

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

SPECIFICATIONS

- Pressure compensated micro-emitter.
- Widest pressure regulating range: 2.5-4.0 bar.
(2.5 bar minimum working pressure at the compensated dripper inlet).
- Micro-emitter height above distributor pipe should be added to the recommended working pressure when calculating it for the product proper operation.
- Recommended flow rate: 12, 15 or 20 l/h, according to the minimum projected ambient temperature.
- Inlet connectors: barb.
- Recommended filtration: 130 micron / 120 mesh.
- Recommended distance between heads: one above each tree or according to the crop needs.
- SSR swivel, 3.0 m wetted diameter.
- Can be mounted on wood or metal stakes or metal/ fiberglass rods.
- Chemical resistant to standard nutrients used in agriculture.

FEATURES AND BENEFITS

- Unique regulation mechanism makes it the perfect choice for hillside applications or longer rows.
- The Pulsar™-GyroNet™ frost-mitigation system operates using as little as 15 m³/h hectare (depending on trees spacing) - less than 50% the water required by full-coverage sprinkler systems.
- Micro-emitter made of plastic materials resistant to any weather conditions and standard nutrients used in agriculture.
- Energy and water saving
- Simple, modular parts.



DESCRIPTION AND CATALOG NUMBER SAMPLE

CATALOG NUMBER: 63700-008200

SAP DESCRIPTION: : PLSR URB 020 GYR9SSR ADBCKP 200CMW/OADP

PRODUCT COMPONENTS: Pulsar™, Flow regulator 20 l/h, 120 cm micro-tube, tube with barb inlet connector, AD valve with black pin, GyroNet™ SSR orange nozzle.

COMMENTS:

- No adapter included.
- Other micro-tubes length available.
- Strongly recommended to use UV protected bands to fit the Pulsar™ tube to the stake/pole (recommended product and catalog number on the last page).
- Other configurations available on request.

PULSAR™ UR WITH MISTNET™ HEAD

APPLICATIONS

Cooling and humidification of the trees area.

SPECIFICATIONS

- Pressure compensated micro-emitter.
- Widest pressure regulating range: 2.5-4.0 bar.
(2.5 bar minimum working pressure at the compensated dripper inlet).
- Micro-emitter height above distributor pipe should be added to the recommended working pressure when calculating it for the product proper operation.
- Recommended flow rate: 8.0 l/h.
- Inlet connectors: barb.
- Recommended filtration: 130 micron / 120 mesh.
- Recommended distance between heads: one above or in the middle of each tree.
- Static micro-emitter, no moving parts.
- Can be mounted on wood or metal stakes or metal/fiberglass rods.
- Chemical resistant to standard nutrients used in agriculture.

FEATURES AND BENEFITS

- Unique regulation mechanism makes it the perfect choice for hillside applications or longer rows.
- The Pulsar™-MistNet™ cooling system operates using as little as 10 m³/h hectare (depending on trees spacing).
- Micro-emitter made of plastic materials resistant to any weather conditions and standard nutrients used in agriculture.
- Energy and water saving.
- Simple, modular parts.



DESCRIPTION AND CATALOG NUMBER SAMPLE

CATALOG NUMBER: 63700-006000

SAP DESCRIPTION: : PLSR URB 008 MST25 ADBLUP 120CM W/O ADP

PRODUCT COMPONENTS: Pulsar™, Flow regulator 8 l/h, 120 cm micro-tube, tube with barb inlet connector, AD valve with blue pin, MistNet™ brown nozzle.

COMMENTS:

- No adapter included.
- Other micro-tubes length available.
- Strongly recommended to use UV protected bands to fit the Pulsar™ tube to the stake/pole (recommended product and catalog number on the last page).
- Other configurations available on request.

PULSAR™ UR WITH GYRONET™ HEAD

APPLICATIONS

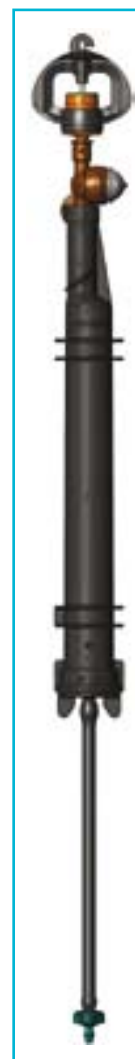
Irrigation of fruit trees and others crops.

SPECIFICATIONS

- Pressure compensated micro-emitter.
- Widest pressure regulating range: 2.5-4.0 bar.
(2.5 bar minimum working pressure at the compensated dripper inlet).
- Micro-emitter height above distributor pipe should be added to the recommended working pressure when calculating it for the product proper operation.
- Recommended flow rate: 8.0, 12.0 or 15.0 l/h, according to crop requirement.
- Inlet connectors: barb.
- Recommended filtration: 130 micron / 120 mesh.
- Recommended distance between heads: one per each tree or according to the crop needs.
- SR swivel, 6.0 m wetted diameter.
- Can be mounted on wood or metal stakes or metal/ fiberglass rods.
- Chemical resistant to standard nutrients used in agriculture.

FEATURES AND BENEFITS

- Unique regulation mechanism makes it the perfect choice for hillside applications or longer rows.
- The Pulsar™-GyroNet™ irrigation system operates using as little as 15 m³/h hectare (depending on trees spacing).
- Micro-emitter made of plastic materials resistant to any weather conditions and standard nutrients used in agriculture.
- Energy and water saving.
- Simple, modular parts.



DESCRIPTION AND CATALOG NUMBER SAMPLE

CATALOG NUMBER: 63700-007100

SAP DESCRIPTION: PLSR URB 008 GYR9SR ADBCKP 60CM W/O ADP

PRODUCT COMPONENTS: Pulsar™, Flow regulator 8.0 l/h, 60 cm micro-tube, tube with barb inlet connector, AD valve with black pin, GyroNet™ SR orange nozzle.

COMMENTS:

- No adapter included.
- Other micro-tubes length available.
- Strongly recommended to use UV protected bands to fit the Pulsar™ tube to the stake/pole (recommended product and catalog number on the last page).
- Other configurations available on request.

PULSAR™ UD WITH GYRONET™ HEAD

APPLICATIONS

Long shift irrigation of fruit trees, of nurseries, and others open field crops.

SPECIFICATIONS

- Pressure compensated micro-emitter.
- Widest pressure regulating range: 2.5-4.0 bar.
(2.5 bar minimum working pressure at the compensated dripper inlet).
- Recommended flow rate: 8.0 or 12 l/h according to crop requirement.
- Inlet connectors: barb.
- Recommended filtration: 130 micron / 120 mesh.
- Recommended distance between heads: one per each tree or according to the crop needs.
- SR swivel, 3.5 m wetted diameter.
- Chemical resistant to standard nutrients used in agriculture.

FEATURES AND BENEFITS

- Unique regulation mechanism makes it the perfect choice for hillside applications or longer rows.
- The Pulsar™-GyroNet™ irrigation system operates using as little as 15 m³/h hectare (depending on trees spacing).
- Micro-emitter made of plastic materials resistant to any weather conditions and standard nutrients used in agriculture.
- Energy and water saving.
- Simple, modular parts.



DESCRIPTION AND CATALOG NUMBER SAMPLE

CATALOG NUMBER: 63700-010500

SAP DESCRIPTION: PLSR UDB 012 GYR9SR ADBCKP 60CM GRAY

PRODUCT COMPONENTS: Pulsar™ UD, Flow regulator 12 l/h, 60 cm micro-tube, AD valve with black pin, GyroNet™ SR orange nozzle.

COMMENTS:

- Other micro-tubes length available.
- Other configurations available on request.

PULSAR™

ASSEMBLY OPTIONS

Pulsar™ UR can be assembled in one of the following ways:

- On a wooden stake, with a Netafim™ clamp, catalog number : 64420-003100.
- On a metal stake (up to 5 mm thick), with a Netafim™ special design clamp, catalog number: 64420-003010.
- On an adapter to 6mm diameter rod, catalog number: 63520-005950.
- On an adapter to 8mm diameter rod, catalog number: 63520-005970.

CLAMP FOR WOOD POLES		CLAMP FOR METAL STAKES		ADAPTER TO METAL/ FIBERGLASS RODS	
64420-003100		64420-003010		6mm. rod (blue) 63520-005950	
				8mm. rod (black) 63520-005970	

For correct installation of the Pulsar™ UR it is recommended to use special UV protected bands for this purpose: BLACK BAND 380*4.8 UV (100/BAG).

Catalog number: 63720-001800 (100 units /bag)



SPARE PARTS FOR THE PULSAR™ PRODUCTS

DESCRIPTION	CATALOG NUMBER	PICTURE
PLSR AD BLACK PIN	63700-001000	
PLSR AD BLUE PIN	63700-001020	
PLSR TUBE BARB ASSY FOR UR	63700-001400	
PLSR TUBE BARB ASSY FOR UD	63700-001300	
PLSR AIR BAG	63720-002000	