

# GROW MORE WITH LESS

**PULSAR™ UR**

PRESSURE  
COMPENSATED  
EMITTER

 **NETAFIM™**  
GROW MORE WITH LESS



# PULSAR™ UR

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Pressure Compensated Emitter 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.
- Continuous 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 2ppm, Hydrocyclone is to be installed before the main filter. When sand / silt / clay exceed 100ppm, 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 Pulsar™ chamber inlet, a tube 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 & 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.

# PULSAR™ UR WITH STRIPNET™ HEAD

## APPLICATIONS

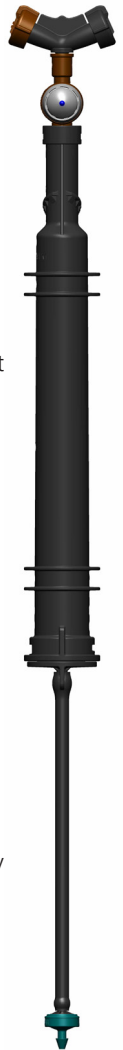
- Strip frost-mitigation in vineyards.
- Cooling of trellised crops.

## SPECIFICATIONS

- Pressure compensated static micro-emitter.
- Widest pressure regulating range: 2.5-4.0 bar (2.5 bar minimum working pressure 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: 12l/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 coloured nozzle; one plugged, black coloured nozzle.
- Can be mounted on wood or metal stakes.
- No moving parts.
- Chemical resistant to standard nutrients used in agriculture.

## FEATURES & 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 m<sup>3</sup>/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.





# 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: 2.2-4.0 bar ( 2.2 bar minimum working pressure 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: 12l/h or 20l/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, 3.0meters wetted diameter.
- Can be mounted on wood or metal stakes or metal/ fiberglass rods.
- Chemical resistant to standard nutrients used in agriculture.

## FEATURES & BENEFITS


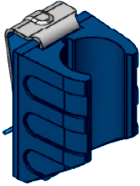

- Unique regulation mechanism makes it the perfect choice for hillside applications or longer rows.
- The Pulsar™-GyroNet™ frost-mitigation system operates using as little as 15 m<sup>3</sup>/h hectare (depending on trees spacing, - less than 50% the water required by full-coverage sprinkler systems.
- Micro-emitter made of plastic materials resistant to any weather conditions and standard nutrients used in agriculture.
- Energy and water saving
- Simple, modular parts.



# PULSAR™ UR ASSEMBLY OPTIONS




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

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

For correct installation of the Pulsar™ it is recommended to use special UV protected bands for this purpose: BLACK BAND 380\*4.8 UV (100/BAG). Catalogue number: 63720-001800 (100 units / bag).

## SPARE PARTS FOR THE PULSAR™ PRODUCTS

DESCRIPTION	CATALOGUE NUMBER	PICTURE
PULSAR™ AD BLACK PIN	63700-001000	
PULSAR™ AD BLUE PIN	63700-001020	
PULSAR™ AD PURPLE PIN	63700-001040	
PULSAR™ TUBE BARB ASSY FOR UR	63700-001400	
PULSAR™ AIR BAG	63720-002000	

# **GROW MORE WITH LESS**

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