

Pulsar™ + StripNet™ Head

PRESSURE-COMPENSATED EMITTER

For efficient frost mitigation in narrow stripe crops.



Water and energy savings



High frost mitigation and cooling performance



Long-lasting performance

Applications



Efficient frost mitigation in vineyards or other narrow stripe crops



Efficient stripe cooling

/ Benefits & Features

- **Water and energy savings**

Pulsar™ + StripNet™ offers narrow water distribution shape using 70% less water and energy than standard full-coverage sprinkler systems
- **Ensures high frost mitigation and cooling performance**
 - Pulsar™ + StripNet™ is a pressure compensated static micro-emitter ensures uniform performance along the field even across hilly terrain and long rows. It consists of a Pressure Compensated dripper, a micro tube, a Pulsar chamber with an air bag inside, an Anti Drain valve and micro-emitter head
 - It provides several pulses per minute, according to the selected flow rate, ensure continuous irrigation over a large area for many hours
 - The unique pulsation mechanism allows each emitter to cover a large range while maintaining low flow, allowing reduction of emitter units per hectare, infrastructure cost, and water consumption
 - The product assists to avoid soil saturation and flooding is avoided even after many hours of irrigation
- **Easy installation**

The Pulsar™ + StripNet™ has a unique mounting bracket on the vineyard posts (wood or metal) or adapter to mount between wires
- **Simple maintenance**

The product is modular and can be dis-assembled easily for maintenance
- **Long - lasting performance**

Pulsar™ + StripNet™ is made of plastic materials resistant to standard nutrients used in agricultural and weather conditions



Specifications & Recommendations

- 3 Different Flow Rates – 12, 15, 20l/h
- Minimum Pressure At The Ad Valve – 2.5bar
- Locking clip for physical lock or double lock in between the Pulsar body to the AD valve
- Pressure Regulation Range – 2.5 - 4.0bar
- Water Distribution Pattern – Rectangular water covering (stripe)
- 2 Nozzles Types –
 - For 50cm stripe width coverage – Single active nozzle of the StripNet head, colored brown. And plug nozzle colored black
 - For 70cm stripe width coverage – 2 active nozzle of the StripNet head, both colored green
- Installation Recommendations –
 - The recommendation distance between emitters is up to 5.0meters to achieve overlapping of the water
 - Vertical installation of the product. 50cm above vineyard tree-top
- Color Code –
 - 1 Single active nozzle of the StripNet head, colored brown and plug nozzle colored black
 - 2 Active nozzles of the StripNet head colored green
- PCJ Dripper – colored coded according to the flow rate: 12l/h fuchsia, 15l/h black, 20l/h orange
- Recommended Filtration* – 130mic./120mesh

* Product selection and system design according to crop characteristics, shall be verified in consultation with a Netafim representative.

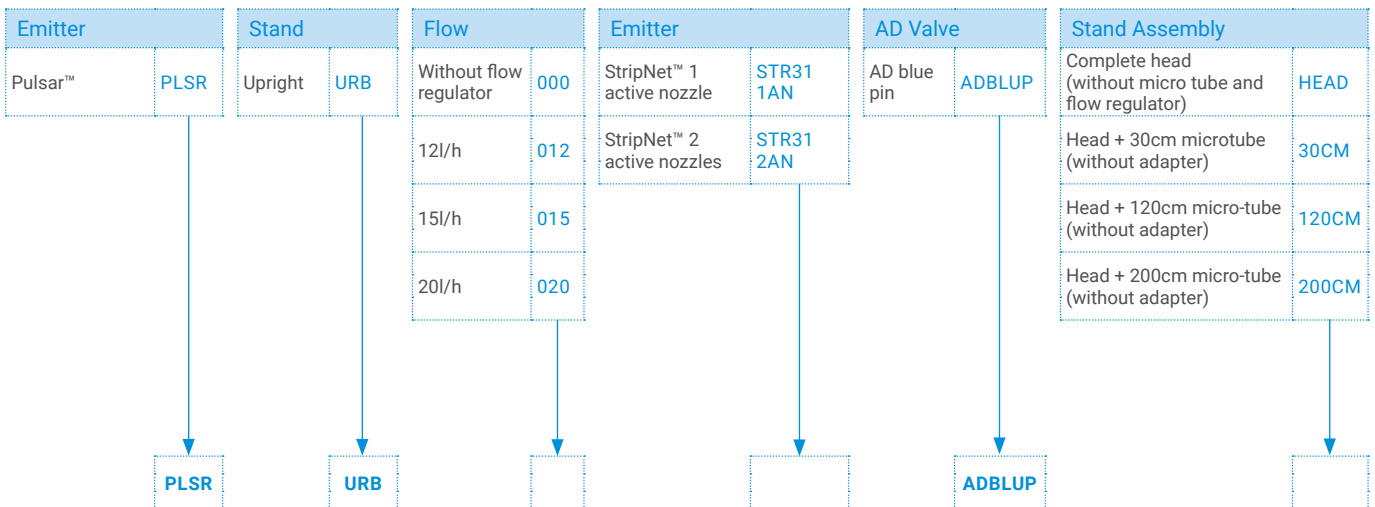
* For proper system operation, the user shall refer to the Netafim User Manual for full instructions.

*Note: Filtration method shall be selected based on the type and concentration of the dirt particles contained in the water. Wherever sand exceeding 2ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Wherever sand/ silt/ clay solids exceed 100ppm, pre-treatment shall be applied according to Netafim™ instructions

→ Ordering Information

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.



→ Description And Catalog Number Sample

PLSR URB 12LH STR31 1AN ADBLUP 120CM

Catalog Number: 63700-005000

Product components: Pulsar™, flow regulated, 12l/h, 120cm microtube, Pulsar tube with barb inlet connector, AD valve with blue pin, StripNet™ head with 1 active nozzle (Brown)

→ 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+stripNet)	150	36 X 31 X 53	7.2	18	2700	142
Complete UR stand (120 cm.) w/o stake	80	28 x 27 x 113	8.8	16	1280	141
Complete UR stand (200 cm.) w/o stake	80	28 x 27 x 113	9.2	16	1280	147

→ Other Active Catalog Numbers

Model	Product Description	Catalog Number
1 Active nozzle (1 brown nozzle + black plug)	PLSR URB 012 STR31 ADBLUP 120CM	63700-005000
	PLSR URB 012 STR31 ADBLUP 200CM	63700-005100
	PLSR URB 015 STR31 ADBLUP 200CM	63700-005150
	PLSR URB 020 STR31 ADBLUP 200CM	63700-005160
2 Active nozzles (2x green nozzles)	PLSR URB 012 STR31 2AN ADBLUP 30CM	63700-004960
	PLSR URB 012 STR31 2AN ADBLUP 200CM	63700-005110

*Other catalog numbers, according to desired product definition, available upon request.

→ Assembly Options

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

Clamp For Wood Poles

	64420-003100
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Clamp For Metal Stakes

	64420-003010
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Adapter To Metal/Fiberglass Rods

	Blue 6.0mm rod
	63520-005950
	Black 8.0mm rod
	63520-005970


Set Of Adapters for Mounting Pulsar Between Wires for 6mm Rod

upper adapter	1 Set Unit (Upper + Bottom)
	63720-000003
bottom adapter	50 Set Units (Upper + Bottom)
	63720-000004

Pulsar AD Valve

	Pin color: Blue
	63700-001020


Pulsar Plug - To Plug The Pulsar Tube

	63720-002500
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Pulsar Locking Clip

	63720-001110
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Black Band 380x4.8 UV (100/Bag)

	Product Description
	For correct installation of the Pulsar™ UR it is recommended to use special UV protected bands for this purpose
	63720-001800

Frostie Controller

	Product Description
	Frost mitigation controller. Single station valve controller powered by 2 AA alkaline batteries. aBuilt in precision temperature and humidity sensors.
	00045-001620