

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

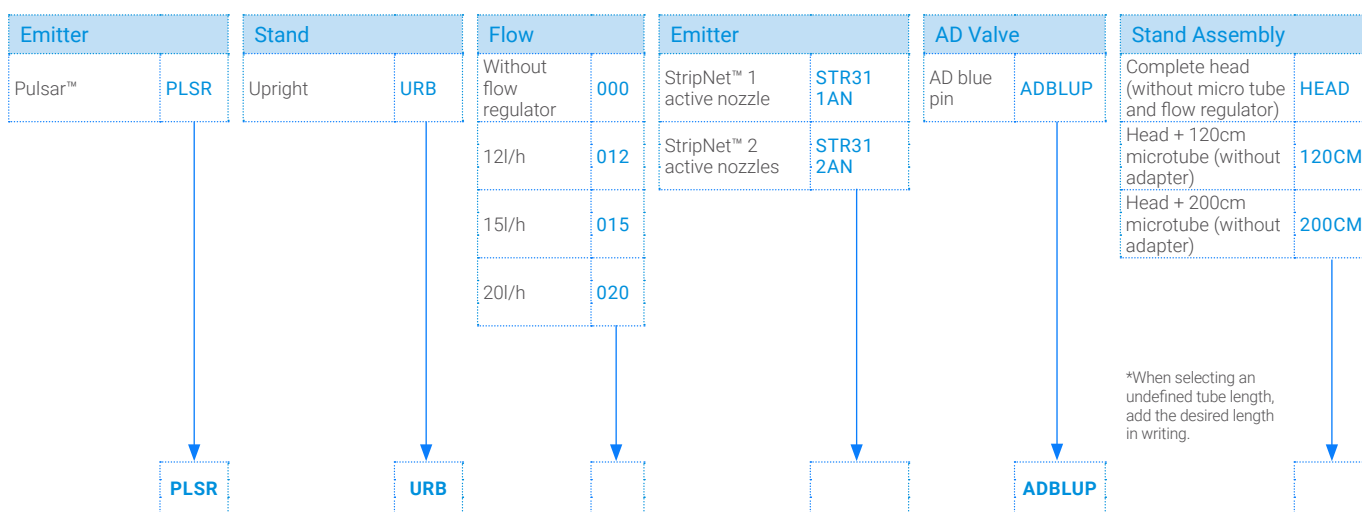
- ✓ 3 different flow rates: 12, 15, 20l/h
- ✓ Minimum pressure at the AD valve: 2.5bar
- ✓ Locking clip for physical lock or double lock in between the Pulsar body to the AD valve
- ✓ Pressure regulation range: 2.5-4.0bar
- ✓ Water distribution pattern: rectangular water covering (stripe)
- ✓ 2 nozzles 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

*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 012 STR31 1AN ADBLUP 150CM

Catalog Number: 63700-005010

Product components: Pulsar™, flow regulated, 12l/h, 150cm 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



Precision Agriculture

Want to know more?
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→ 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 150CM	63700-005010
	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
	PLSR URB 012 STR31 2AN ADBLUP 400CM	63700-000010

*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