

Pulsar™ + StripNet™ X

PRESSURE-COMPENSATED EMITTER

A unique pressure-compensated micro-sprinkler, for efficient crop protection: Frost mitigation & heat protection for intensive and dense crops. Performed by spreading a stripe of water, focused over the trees row.



Water and energy savings



Versatility



Long-lasting performance

Applications



Efficient frost mitigation in vineyards or other narrow stripe crops



Efficient cooling for intensive-dense crops

/ Benefits & Features

- Maximize the water-use efficiency, highly-focus and exact protection on the density crop top
 - Ensures high frost mitigation and cooling performance
 - Reduced system & energy cost
 - Easy installation
 - Simple maintenance
 - Long-lasting performance
- Pulsar™ + StripNet™ X is designed for wide-stripe water distribution, using less than 50% of the water required by full-coverage sprinkler systems
 - Pulsar™ + StripNet™ X is designed specially for effective coverage of dense and intensive crop plantation
 - Pulsar™ + StripNet™ X is a pressure-compensated dynamic micro-sprinkler ensuring uniform performance along the field even across hilly terrains and long rows
 - Pulsar™ + StripNet™ X consists of a pressure-compensated dripper, a micro tube, a Pulsar chamber with an air bag inside, an anti-drain valve and StripNet™ X micro-sprinkler head
 - Innovative hydraulic pulsation technology enables protecting more area with the lowest possible flow rate. The Pulsar™ provides several pulses per minute, while ensuring 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
- Pulsar™ is easy to installed thanks to a unique mounting adapters suiting any type of stands (metal poles, stands or between wires)
- The product is modular and can be disassembled easily for maintenance
- Pulsar™ + StripNet™ X is made of plastic-resistant materials to standard nutrients used in agriculture



Specifications & Recommendations

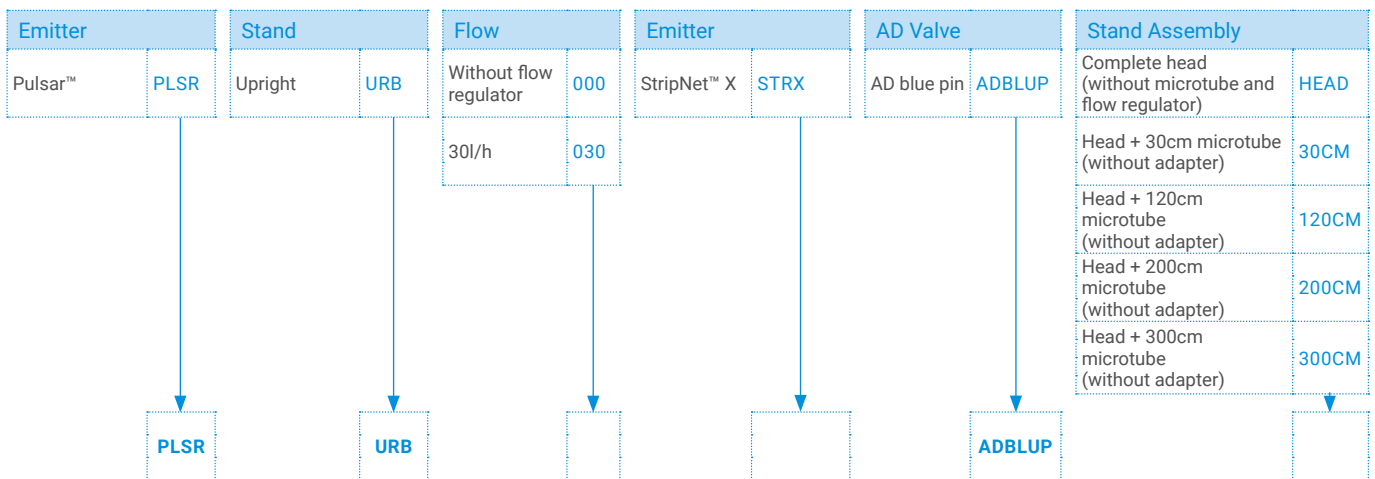
- **One Flow Rate** – 30l/h
(flow rate is defined by the PCJ dripper)
- **Minimum Pressure At The Ad Valve** – 2.5bar
- **Pressure Regulation Range** – 2.5 - 4.0bar
- **Water Distribution Pattern** – Rectangular water covering - stripe of up to 1.2meter.
Provides water stripe for 2 directions - vertical to the blue wings of the StripNet™ X body
- **Installation Recommendations** –
 - The recommendation distance between emitters is 5.0meters to achieve overlapping of the water.
 - Vertical installation of the product 50cm above tree-top
 - StripNet™ X alignment: Install the StripNet™ X along the line, while the blue wings of the StripNet™ X body are vertical to the crop-row
- **Color Code** – PCJ Dripper: Colored coded according to the flow rate: 30l/h orange & brown
- **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 030 STRX ADBLUP 200CM

Catalog Number: 63700-000034

Product components: Pulsar™, flow regulated dripper of 30l/h, 200cm microtube, Pulsar tube with barb inlet connector, AD valve with blue pin and StripNet™ X head

→ Packaging Data

Pulsar™ with StripNet™ X	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 Pulsar Body + AD Valve + Stripnet X)	150	36 x 31 x 53	7.2	18	2700	142
Complete UR Stand + 120cm Tube W/O Stake	80	28 x 27 x 113	8.8	16	1280	141
Complete UR Stand + 200cm Tube W/O Stake	80	28 x 27 x 113	9.2	16	1280	147

→ Other Active Catalog Numbers

Product Description	Catalog Number
PLSR URB 000 STRX ADLBLUP HEAD	63700-000042
PLSR URB 030 STRX ADLBLUP 30CM	63700-000041
PLSR URB 030 STRX ADLBLUP 200CM	63700-000034

*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

StripNet X Mic Head Only

	64421-000100
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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