

NEX

Clean

Solar panel cleaning system

- Increases electricity generation: enables the system to keep producing efficiently.
- Saves money: no need to hire cleaning services.
- Decreases risk of damage to panels: no manual cleaning of the panels required.
- Saves time: less maintenance and Cleaning of the system.
- Improves safety and security: eliminates the need for roof access.



NEX Clean Features

- The unique, adjustable NEX Clean unit fits most panels in the market.
- The NEX Clean unit maintains steady, well-aligned microsquirklers on the panels for optimal, uniform cleaning.
- The NEX Clean unit is free of vibration and abrasive effects on the solar panels.
- All components are modular and easy to assemble without a need for special tools.
- Easy, user-friendly assembling and dismantling of the unit on the panel.
- Two kinds of water distribution for best coverage of the area: The main NEX Clean unit consists of a 180° static diffuser, while the second NEX Clean unit consists of a 90° static diffuser for use on the edges and boundaries.
- Non-rotating parts for long life span even under tough conditions, such as high temperatures, wind, and dust.

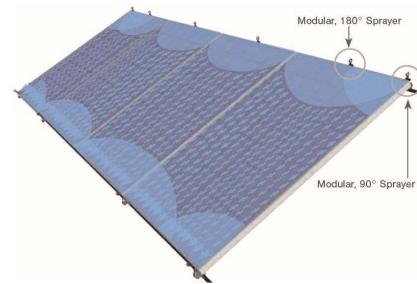
Operation

Using a quality water source is crucial. Water containing high concentrations of bicarbonate, calcium, magnesium, and salts may create sediments in the long run. Adequate water treatment is recommended to reduce water hardness. For optimum performance, operate the NEX Clean units daily, preferably early in the morning, to take advantage of the dew on the panel surface which enables cleaning with less water. The optimal duration of operation of the NEX Clean units varies from 15 to 25 seconds, depending on the severity of the surrounding conditions and the amount of dirt build-up.

Positioning and Adjustments

The following table shows the recommended number of units per lateral pipe:

Number of Micro-Washers for Different Lateral Diameters		
Lateral pipe diameter (mm) (grade 4)	Flow rate (l/h) (at 2 bars)	
	105	120
	Number of NEX Clean units	
16	12	11
20	20	17
25	30	20
32	50	45



Technical Data

- Recommended working pressure: 1.5 - 3.0 bar
- Filtration requirement: 200 microns

NEX Clean Nozzle & Flow Rate vs. Pressure							
Nozzle colour	Flow rate	Nozzle ID (mm)		Pressure (bar)			
				(l/h)	2.0	2.5	3.0
Green	105	105	1.41	91	105	117	129
Orange	120	120	1.50	105	120	134	147

Ordering Information:	
Product Code	Description
NEX-CLEAN-90-120LH	NEX Clean 90°, 120lt/h cleaning head, complete
NEX-CLEAN-180-120LH	NEX Clean 180°, 120lt/h cleaning head, complete
67DDT0	GIC Digital Switch, Crono, 110V -220v AC, 16A relay



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