

SPARK SOLAR PANEL CLEANING

NEW

PAT.PEND



A unique system for cleaning and washing solar panels - ensures optimal efficiency and energy production.



Applications:

Solar panel washing, increasing solar efficiency

Structure and features:

- Two kinds of water distribution for best coverage of the area.
- Non-rotating parts for long life span even in heavy conditions, such as high temperatures, wind and dust.
- Unique stand fits most panels in the market.
- The stand maintains steady, well-aligned micro washers on the panels for optimal cleaning.
- The stand ensures zero vibration of the Solar Panel Cleaning Unit.
- Optimal water coverage of the panel.
- All components are modular and easy to assemble without a need for special tools.
- Easy, user-friendly assembling and dismantling of the stand on the panel.



TECHNICAL DATA

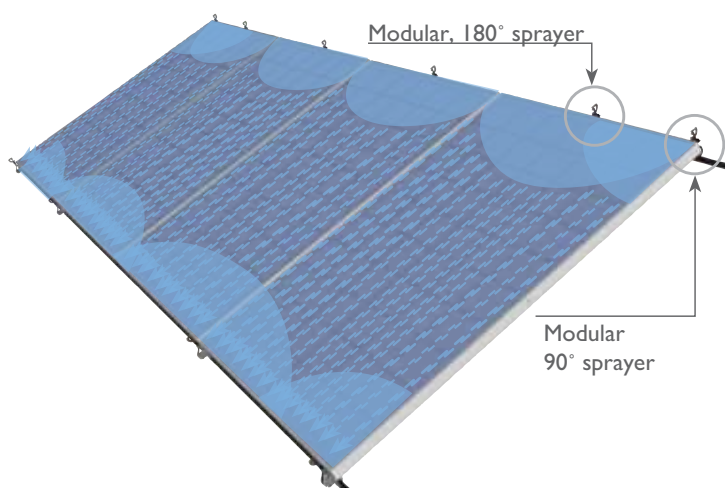
- Recommended working pressure: 1.5-3.0 bar
- Filtration requirement: 200 microns

SPARK NOZZLE AND FLOW RATE VS. PRESSURE

Color	Flow rate (l/h)	Nozzle ID (mm)	Pressure (bar)			
			1.5	2.0	2.5	3.0
Green	105	1.41	91	105	117	129
Orange	120	1.50	105	120	134	147

NUMBER OF MICRO-WASHERS FOR DIFFERENT LATERAL DIAMETERS

Lateral diameter (mm) (grade 4)	Flow Rate (l/h) (at 2 bars)	
	105	120
	Number of Spark units	
16	12	11
20	20	17
25	30	20
32	50	45



Before & After cleaning



Spark 180° & Spark 90°



© NAANDANJAIN Ltd. 10/2018