Module cleaning device
PvSpin

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**Technical data**

<table>
<thead>
<tr>
<th>Item number</th>
<th>182019-001 (PvSpin without accessories)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>1100 mm</td>
</tr>
<tr>
<td>Width</td>
<td>520 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>approx. 25 kg</td>
</tr>
<tr>
<td>Brush diameter</td>
<td>520 mm</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>min. 130 bar</td>
</tr>
<tr>
<td>Operating flow rate</td>
<td>min. 10 l/min</td>
</tr>
</tbody>
</table>

Subject to technical modifications.

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**Operation and handling**

- High cleaning performance*
- Cleaning by two cleaning brushes that turn in opposing directions
- Robust and powerful water hydraulic axial piston rotating motor
- Material-protecting cleaning, as the soilings are soaked before being removed
- The device can be operated from the ridge by one operator
- It may be recommendable to employ a second operator (securing in the roof edge areas, additional guidance in case of very flat roofs or big rafter lengths).
- Demonstration video at http://www.youtube.com/schlettergmbh

*In a test operation, a cleaning performance of a module surface area of crystalline modules equivalent to 20kW/h could be achieved.

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**PvSpin**

—the practical and easy-to-handle module cleaning device

The new cleaning device PvSpin allows a swift and economic cleaning of big-surface solar plants that are covered with dirt. Especially solar plants on agricultural buildings with ridge ventilation become dirty already after a short time in operation. This results in yield losses of 15% and more. Cleaning systems that are operated manually are often uneconomic. However, cleaning robots are expensive and difficult to transport. PvSpin is clean, quick and efficient, and easy to handle - so the PvSpin cleaning device will have paid itself off after a short time.
We advise our customers to set up the system in the following manner:

1. Water inflow and connection of the components: Standard hose with a nominal width of ½", longer hoses with a nominal width of ¾".
   Adapter kits for standard water taps: Recommended if the device is used at different locations.

2. Water filtering system: Flow rate capacity of 2 m³/h for the preparation of water that is suitable for cleaning.

3. Buffer tank: To avoid dry running in the high pressure pump of the high pressure cleaning device. If there is no sufficient water pressure or flow rate on site, we recommend the utilization of a standard pallet tank with a capacity of 1000 l. In order to safeguard an uninterrupted cleaning operation, the tank can be filled with a sufficient quantity of water during a preparation phase. Please make sure that rain-water is sufficiently pre-filtered.

4. Pump: Between the tank and the high-pressure cleaner with a minimum flow rate of 2000 l/h. If a self-priming high pressure cleaner is used, no pump is required.

5. High pressure cleaner, possibly heatable. Pay regard to the safety information of the high-pressure cleaner!

6. Hose reel with crank including rotary water feed-through.

7. Inlet pipe to the cleaning device: DN8 high pressure hose, possibly with hose extension. Connector M 22x1.5.