

WINDSCREEN

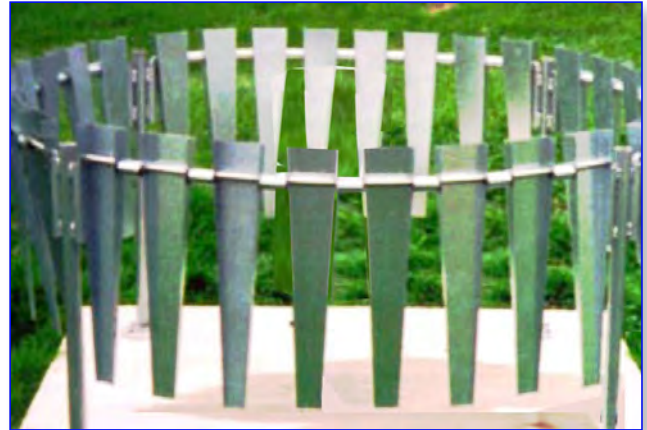


Used with a Rain Gauge to improve Precipitation "Catch"

Placing the windscreen around the rain gauge diminishes updrafts around the raingauge funnel. Wind is deflected by the inward movement of the wind screen leaves. The design generates turbulent air patterns across the top of the raingauge causing rain to fall into the raingauge funnel rather than being blown past the gauge.

The posts are sized so that the top of the windscreen is within one inch of the top of the raingauge. For best results, the top edge of the raingauge funnel should be ½" to 1" below the top edge of the windscreen leaves.

Most windscreens are installed onto a concrete pad that also supports the raingauge.



MATERIALS:

- ▶ 4 Leg Stansions, 1 meter each (photo 1)
- ▶ 4 WindScreen Quadrants - Each quadrant includes 8 stainless steel free swinging leaves & 9 spacers, one spacer between each leaf & one on the outside of each end leaf. **NOTE:** One of the quadrants has a shortened rod on one side. This is the GATE QUADRANT of the windscreen. (photos 2 and 3)
- ▶ 4 Mounting feet (photo 1)
- ▶ WindScreens 1.5m or higher will also include 4 Leg Extensions & 4 Leg Connectors (photo 4).

INSTALLATION:

In order to correctly space the posts, assemble the windscreen and temporarily install it at its desired location. Installation is best performed by two people.

- 1) Thread mounting feet onto bottom of each 1 meter leg stansion.
- 2) Place 1 meter leg stansions onto concrete pad.
- 3) Place the 1 meter leg stansion (gate post) that has a post with a 45 cut on one of its sleeves in the position you would like the GATE QUADRANT to be located, allowing easy access to the raingauge.
- 4) Next slide the rod of the WindScreen Quadrant into the post sleeve of the leg stansion. This is done with each of the 3 standard WindScreen Quadrants. The installed quadrant should have the flat sides of the leaves facing toward the raingauge. (photo 5, next page)



Photo 1
Leg Stansions & Mounting Feet

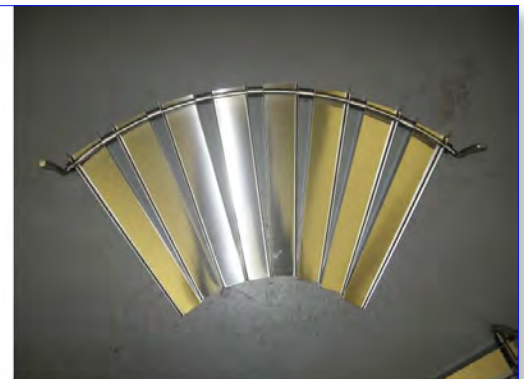


Photo 2
Wind Screen Quadrant



Photo 3
Gate Quadrant

** Notice that this quadrant has a shortened rod on one side*



Photo 4
Leg Extensions & Leg Connectors

ORDERING

WindScreen, Stainless Steel	1.0m Height
WindScreen, Galvanized Steel	1.0m Height

WINDSCREEN



INSTALLATION (cont'd)

- 4) Next slide the rod of the WindScreen Quadrant into the post sleeve of the leg stansion. This is done with each of the 3 standard WindScreen Quadrants. The installed quadrant should have the flat sides of the leaves facing toward the raingauge. (photo 5, next page)
- 5) Insert the WindScreen GATE QUADRANT into the 45 cut sleeve leg stansion (gate post). (photo 6) By using the GATE QUADRANT & 45 cut sleeve on the gate post, the GATE QUADRANT only requires slight lifting to open the gate. (photo 7)
- 6) After each WindScreen Quadrant has been installed, inspect each leaf to determine that there is freedom of movement.
- 7) Fasten down the WindScreen into a fixed position using mounting feet.



Photo 5
Inserting of Windscreen quadrant into post sleeve of leg stansion



Photo 6
Gate quadrant sliding into 45 cut sleeve of gate post



Photo 7
Windscreen gate quadrant swings open to allow access to rain gauge



Photo 8
Full Assembly of Windscreen