

Tretjakov-style Wind Shield



The Tretjakov wind shield is recommended for precipitation sensors by the WMO to reduce measurement error due to wind.



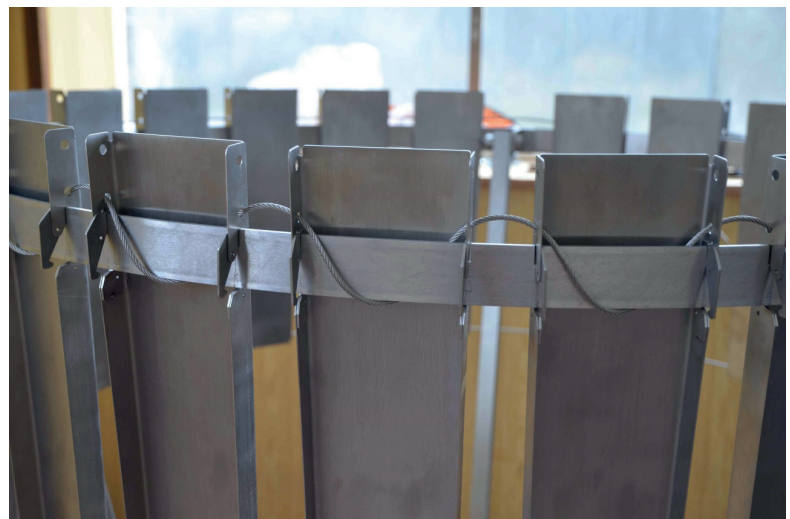
Reducing measurement error from wind influence

RECOMMENDATION OF THE WMO

A Tretjakov-style wind shield surrounds a precipitation sensor to block approaching winds. The funnel-shaped design ensures excess wind is directed toward the ground, reducing the speed of winds in the direct vicinity of the sensor.

The wind shield ring is equipped with vertical stainless steel lamellas arranged in a circle with the bottoms coming together in a slightly conical fashion. The lamellas are connected to each other with a chain, and can be moved horizontally to create directional protection.

VIEW OF THE FULLY INSTALLED SYSTEM WITH LAMELLA BLOCKING PROTECTION (optionally available)



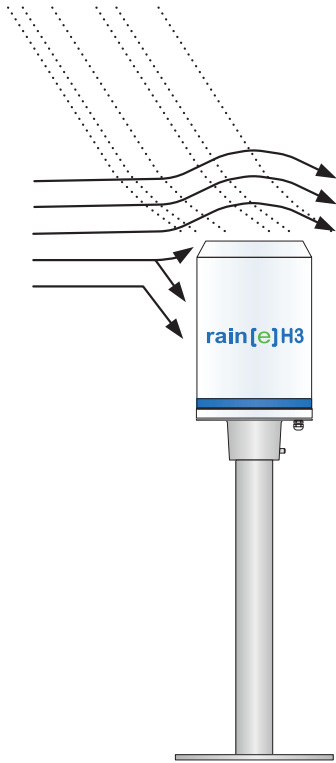
POSSIBLE APPLICATIONS

- Weather services
- Meteorology and hydrology
- Measuring networks of water utilities
- Airports

WIND INFLUENCE
WITHOUT A SHIELD

The vector lines represent directional gusts of wind.

The dashed lines show how the trajectory of participation particles is significantly influenced by the wind.



Dimensions (in mm)

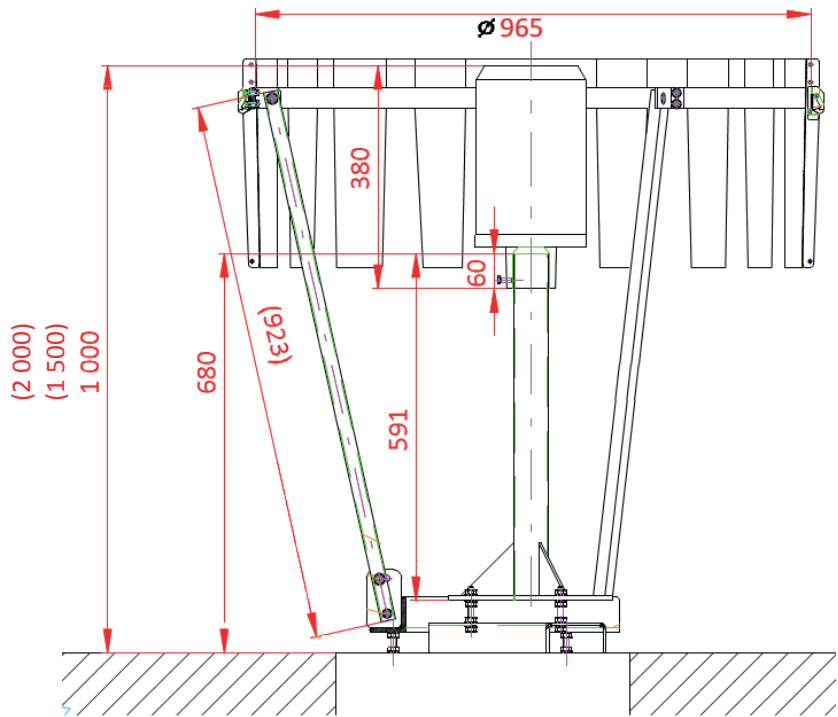


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Key Features

- Different measuring heights for all common precipitation sensors
- Durable and solid due to corrosion-resistant V4A stainless steel
- Straightforward and quick installation

Measuring Heights

ID WIND SHIELD	HEIGHT
00.15091.500100	1.0 m
00.15091.500150	1.5 m
00.15091.500200	2.0 m



Precipitation sensor rain[e]H3

At the German Weather Service (DWD), the specially heated rain[e]H3 is used together with the Tretjakov wind shield.