

THE NEW BELFORT ALTER SHIELD

- Performance comparable to more expensive SDFIR shield used by US Climate Reference Network
- Rugged stainless steel and aluminum construction
- Retrofits to existing alter shield supports
- Movable wind deflectors keep free of ice and snow
- Spring dampened movement with hard rubber grommets eliminates environmental noise
- Field proven performance

The new Belfort Model 3600I Alter Shield has demonstrated an ability to improve snow collection on windy days by over 26% compared to conventional Alter Shield and provide collection efficiency levels comparable to more expensive SDFIR type wind shield surrounding weighing type precipitation gauges.

Built with heavy gauge aluminum wind deflectors with travel limited to 30° from vertical allows closer deflector spacing and eliminates errors due to excessive porosity demonstrated with unrestrained Alter Shield deflectors. The limited travel of the New Belfort Alter Shield also assures wind deflection comparable to SDFIR type shields even in very high wind conditions where conventional Alter Shield deflectors blow horizontal and fail to deflect wind away from the enclosed precipitation collection device.



Why spring load each wind deflector on the new Belfort Alter Shield? The spring positions each wind deflector relative to the adjacent deflector, it dampens movement, it assures that the deflector returns to vertical and along with a hard rubber grommet limits travel to 30°. In combination the spring dampening and the rubber shock absorption all but eliminates environmental noise on windy days that continues to frustrate use of conventional Alter Shields in populated areas.

***Belfort's Alter Shield may be used
with ANY precipitation gauge
currently installed!***

THE STANDARD
OF MEASUREMENT

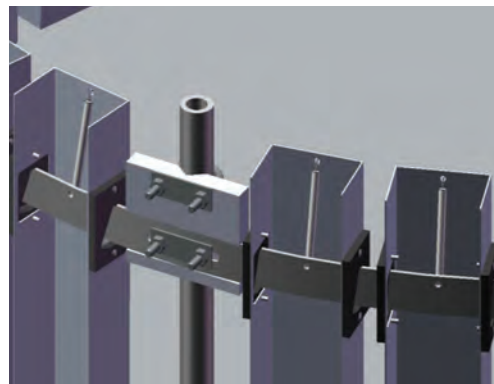
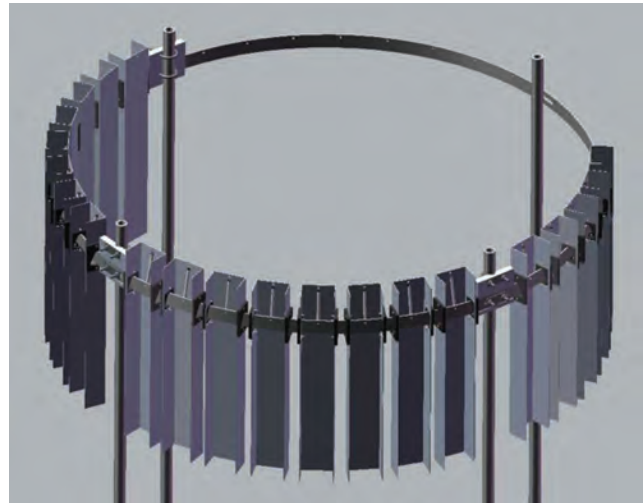
BELFORT INSTRUMENT

THE NEW BELFORT ALTER SHIELD

Model 3600I

SPECIFICATIONS

- Retrofits easily to existing Alter Shield supports
- May be used with any precipitation gauge currently installed
- Stainless Support Hoop
- High Density rectangular wind deflectors
- Simple attachment with 2 U bolts
- Rubber grommets limit travel and reduce noise
- Easy to install spring dampens movement and positions deflectors



Belfort Alter Shield - Patent Pending



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