Concrete Production
Butterfly Valves V2FF / V.FS

Function ▼

For closing bins, hoppers and silos containing cement or similar materials, Butterfly Valves are among the most widely used equipment worldwide. What used to be custom-built items for specific applications, have been turned by WAM® into a mass-produced industrial product with features that allow extremely versatile use. Material flow is intercepted by activating a manual lever or a pneumatic or electric actuator turning the valve disc 90 degrees, thus closing the valve hermetically.

Application ▼

V2FF Silo Shut-Off Butterfly Valves are used in concrete batching plants wherever interception of gravity-fed cement or other powdery materials is required. They are fitted beneath hoppers, bins, or silos.

V.FS Butterfly Valves are used in concrete batching plants where interception of gravity-fed or pneumatically conveyed dry materials is required. They are fitted beneath hoppers, bins, silos, screw feeder outlets, or in a 0.2 bar (29 PSI) pressure-proof version, on water scales outlets. Due to their special design and to the engineering materials used, they represent a particularly cost-effective yet most efficient solution.

Benefits ▼

- Dust-tight (V.FS for water scales 0.2 bar pressure-proof);
- Quick fitting, retro-fitting and replacement;
- Modular design and easy maintenance thanks to small numbers of components;
- High flexibility thanks to interchangeable components;
- More durable thanks to special performance features.

Description ▼

V2FF Silo Discharge Butterfly Valves are manufactured from a single-piece fabricated carbon steel body lined with WAM®’s polymer composite SINT®. Due to the four corner slots the integrated upper square flange can be adapted to different sizes of silo outlet flanges. The valve disc is manufactured from surface-treated carbon steel.

VFS Butterfly Valves consist of two high-pressure die-cast semi-bodies manufactured from aluminium alloy, a swivel disc in SINT® polymer composite or cast iron, and a pre-stressed elastomer seal. While V1FS has a top flange and a beaded bottom section suitable for the attachment of a flexible sleeve, the V2FS comes with an identical top and bottom flange.
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Technical Features / Performance ▼

► V2FS with identical top and bottom flange from 100 to 400mm
► V2FS with identical top and bottom flange from 100 to 400mm (4 to 16 in)
► 4 to 16 in

Overall Dimensions ▼

This datasheet does not show the complete range but only the models most suitable for the application.