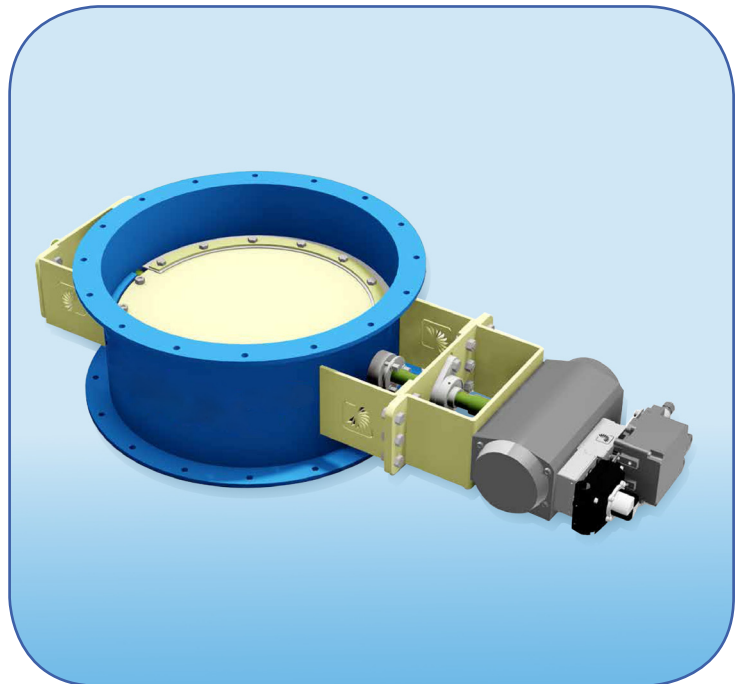


Flanged butterfly valves for high temperature series VF/HT

Butterfly valves of series VF/HT are suitable to be used in industrial application for the regulation of hot air or fumes with pressure up to 500 mbar and temperature up to 850°C.

Application varies from incinerators, air treatment plants, combustion plants, biomass, power plants, etc. The manufacturing of the valves VF/HT is from carpentry, therefore the selection of the construction materials, the type of flanges (welded, wafer or double flange) allows to satisfy any kind of demand or application. VF/HT butterfly valves can be operated manually or can be motorized with any kind of pneumatic or electric actuator.



TECHNICAL FEATURES

Body valve material	Steel S235JR
	AISI304
	AISI309
	AISI310
	AISI316
	Corten
Shaft sealing	O-ring / ceramic fibers "o" rings
Type of flanges	Welded, wafer, flanged PN16 or double flanged
Diameter	DN150 ÷ DN3000
Max pressure	500 mbar
Geometric seal with closed blades	97% / 99.5%
Blade sealing	Various types available, check page 3

FEATURES

- Butterfly valves with free shaft or with manual operation with driving wheel
- Butterfly valves can be motorized with any kind of electric or pneumatic actuator
- Available also with optional seal with air barrier
- Available in many different design layout, for example double blade, 3 ways "diverter", dampers with multiple blades
- Taylor made valve design

MODELS

VF-HT 301-S

- Up to 650 °C of max temperature
- Up to 500 mbar of max operating pressure
- Diameter from DN150 to DN3000
- Available also with optional seal with air barrier
- Materials: S235J-AISI304-AISI316-CORTEN

VF-HT 301-N

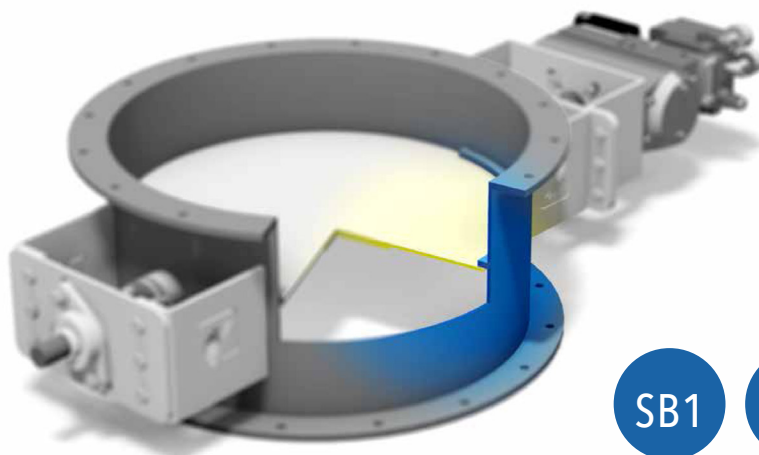
- Up to 200 °C of max temperature
- Up to 500 mbar of max operating pressure
- Diameter from DN150 to DN1800
- Materials: S235J-AISI304-AISI316-CORTEN

VF-HT 301-H

- Up to 850 °C of max temperature
- Up to 500 mbar of max operating pressure
- Diameter from DN150 to DN1800
- Materials: AISI309 AISI310

BLADE SEALING

Codification of the blade seal systems that define the value of closing of valve/damper in geometric percentage, applicable to different products.



SB1

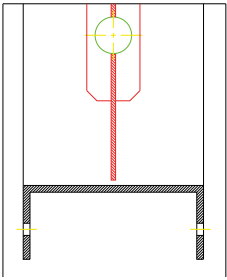
BR2

BL3

BM4

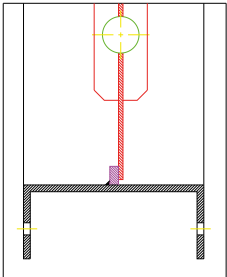
TI5

Codice: SB1



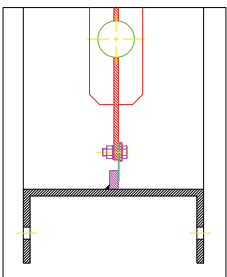
- No seal between the blade and frame.
- Geometric sealing 95% of total internal section.
- Used when is not required the sealing.

Codice: BR2



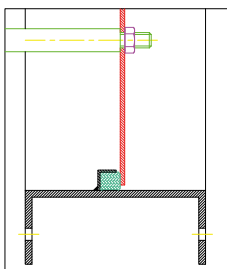
- Metallic blade seal.
- Geometric sealing 98% of total internal section.
- Used when is required a simple sealing with a minimum efficiency.

Codice: BL3



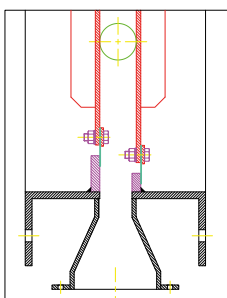
- Blade seal in harmonic steel.
- Geometric sealing 99.5% of total internal section.
- Used when is required good sealing.

Codice: BM4



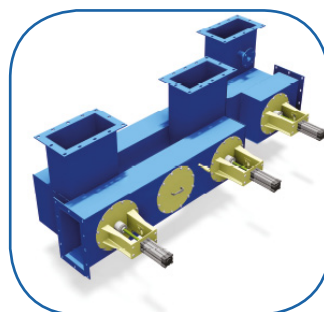
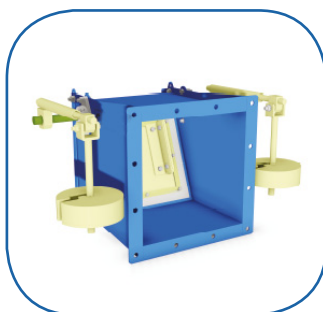
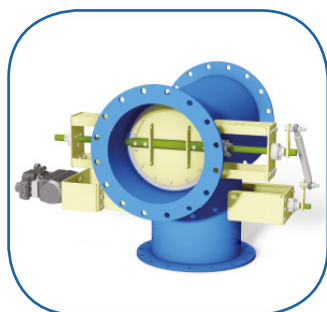
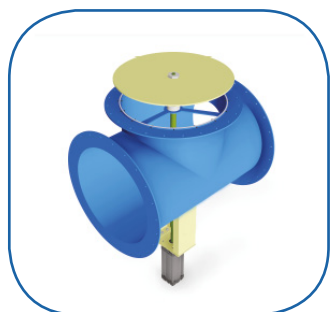
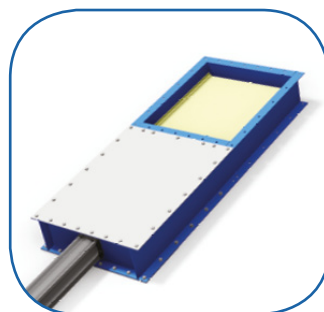
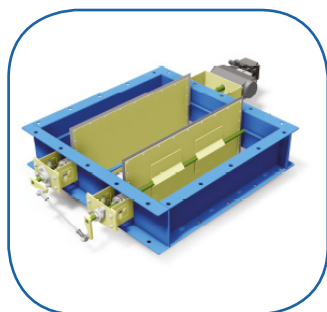
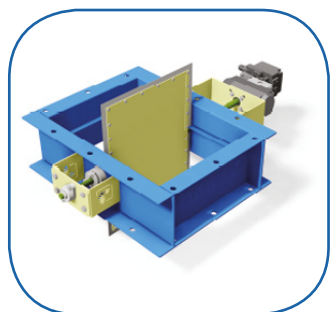
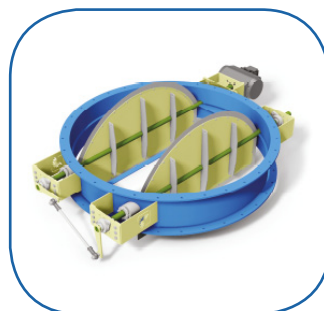
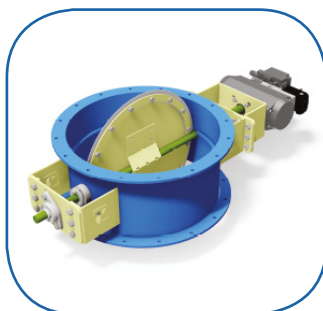
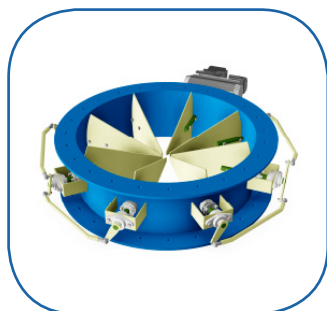
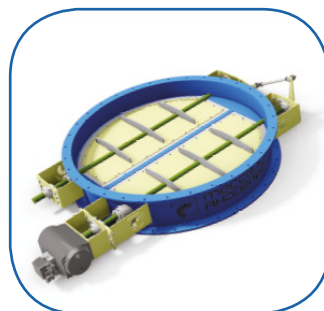
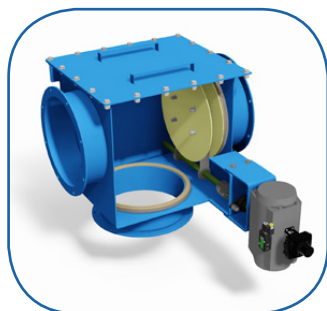
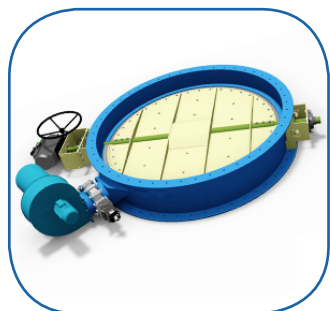
- Blade seal in bio ceramic fiber.
- Geometric sealing 99.7% of total internal section.
- Used when is required excellent sealing.

Codice: TI5



- Blade seal in harmonic steel with an air forced pressure chamber.
- Geometric sealing 99.5% sealing of flow 100% with chamber in pressure.
- Used when is required excellent sealing.

EXAMPLE OF OTHER POSSIBLE VALVE DESIGN



All the reported data are subject to be changed without notice.

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