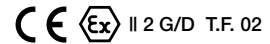


# TRIPLE-OFFSET BUTTERFLY VALVES

VF-8




## Technical features

- ANSI classes: 150 ~ 900
- sizes: 3" ~ 48" (80 ~ 1200 mm)
- max capacity 72" (1800 mm)
- temperature range solid metal seat  
- 196°C ~ +760°C
- temperature range laminated seat  
- 75°C ~ +550°C

## Applicable standard

- Body: wafer type, lug type, flanged type
- Upper flange: ISO 5211
- Design and pressure: ASME B16.34
- Face-to-face: API 609, ISO 5752
- Inspection and testing: ISO 5208, API 598
- Fire safe: API 607, ISO 10497
- VOC: ANSI/ISA-SP-93, TA-LUFT, ISO 15848-1/2  
Cryogenic test: BS 6364
- EX certificate: ATEX EX II 2 G/D
- GOST TR certification
- Leakage Class: ANSI FCI 70-2-2003 table 1,  
ISO 5208 rate D/A, ANSI/ISA-SP-93
- Flange connection: ASME B16.5 Classe  
150/300/600, ASME B16.47 Classe  
150/300/600 (other flange connection please  
contact our Technical Dept.)

## Main applications

- Petrochemicals Industry
- Fossil and Cogeneration Power
- Steel Mill
- Refinery
- LNG
- Cryogenic
- Nuclear Power

# TRIPLE-OFFSET BUTTERFLY VALVES

## VF-8

CE Ex II 2 G/D T.F. 02

The triple-offset butterfly valves VALSAR serie VF-8 are right for heavy use, to meet and adjust very hot flows, such steam, superheated water, diathermic oil, fumes, etc. or very cool flows, like liquid nitrogen or oxygen, etc.

Their weight and reduced dimensions, make them easier to install and cheaper to maintain than conventional globe valves.

They could be mounted on cogeneration/trigeneration plants, refinery, chemical industry, but also on freeze drying, food, pharmaceutical, cryogenic plants, etc.

The valves could be customized with the heating jacket and flashing nozzles, applying to the temperature changes and prevent fluid crystallization.



The valves, wafer, lugged or flanged type, are manufacturing with a large range of selected materials, rating ANSI 150 (VF-87), ANSI 300 (VF-88) or ANSI 600 (VF-89), sizes from 3" up to 72".

The full serie is certificated ATEX EX II 2 G/D (CE 94/9), passed the fire safe test (API 607, ISO 10497), and emission approval to TA-LUFT (ISO 15848-1) verified by TUV. Provided by extensions, they have been also tested for cryogenic use (BS 6364).

The triple-offset geometry provides that the disc seat ring - in stainless steel Duplex UNS 32205 - contacts body seat - with Stellite 21 hard face - only at final fully closed position, without rubbing and galling while the valve opens and closes.

The disc seal ring has designed to be self-adjusting in different pressure and temperature, and compress elastically on seating surface to achieve the best sealing function. Smoother shape design of disc provides the better strenght and flow.

# TRIPLE-OFFSET BUTTERFLY VALVES

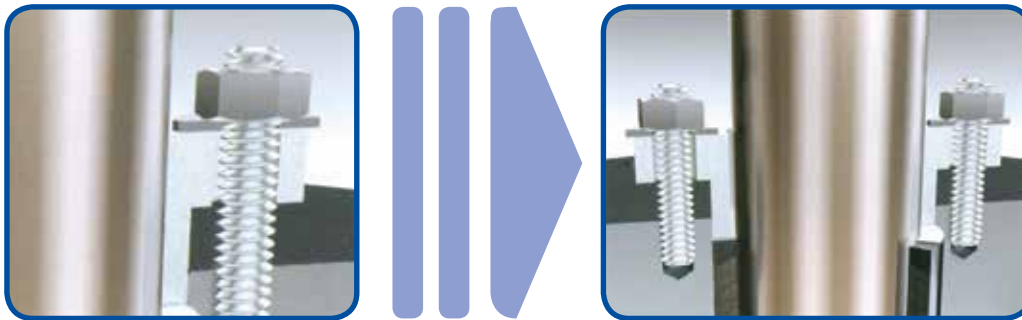
## VF-8

CE Ex II 2 G/D T.F. 02

The butterfly valves VALSAR serie VF-8 are a triple-offset designed, to be 90 degrees rotary and torque seated. Provided with solid metal seat (class V) or laminated seat (class VI, zero leakage), their life may up to 50.000 cycles with no jamming and packing adjustment.

For valves size 24" and smaller is provided a one-piece shaft, provided to pass the test of the low VOC emission and abrasion resistance during long working period.

Upper flange and yoke are according ISO 5211, easy to install actuators. The face-to-face dimension follow ISO 5752 and/or API 609.



The standard gland packing could provide a good service under high temperature and chemical resistance; on request, the addition live-loading gland can be available for high cycles and low emission service. Special compound of graphite packing materials are also available to provide the low VOC emission, which was verified according ISO 15848-1.



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