



## Pneumatic Actuated Plain Ended Hygienic Butterfly Valve – Bardiani ZVF

- Economic and Cost effective
- DIN Plain Weld, Clamp & RJT End Options
- AISI 316L Stainless Steel (1.4404)
- Sizes DN10 – DN150
- Pneumatically Operated SR. or DA.
- EPDM (Std) Viton, NBR Seal Options
- Control Top Options
- Valve 10 Bar (145 psi) Max. Pressure

### DESCRIPTION

#### Valve

A high quality hygienic pneumatic actuated butterfly valve, manufactured by Bardiani. Offered with various end connections and choice of seal material. Valve body and disc in AISI 316L (1.4404) stainless steel. Surface finish standard Ra 0.8 µm.

This automated butterfly valve can be supplied either, normally open or closed in double acting or spring assisted versions. Control Tops for pilot solenoid, feed back and modulation are offered as easy fit modular assembly's.

#### Seal Options

EPDM – Standard  
Viton (FKM)  
HNBR

#### End Connections

DIN, SMS, IDF, BS (RJT), Clamp, Flange

#### Operators and Extras

Pneumatic actuation  
Switchbox, pilot solenoid, modulation.

#### Easy to Order

Using our unique selector tool you can build your perfect valve, actuator and accessory combination with ease.

### Valve Certification



#### Description

This pneumatic actuated butterfly valve type ZVF is suitable for automatic isolation of process pipeline fluids. Available with many end, seal and operating options. Offered in sizes from DN10 to DN150. This valve offers excellent quality, long life and affordability.



#### Beschreibung

Diese pneumatisch betätigte Absperrklappe vom Typ ZVF eignet sich zur automatischen Isolierung von Prozessleitungsflüssigkeiten. Erhältlich mit vielen End-, Dichtungs- und Betriebsoptionen. Wird in Größen von DN10 bis DN150 angeboten. Dieses Ventil bietet hervorragende Qualität, lange Lebensdauer und Erschwinglichkeit.



#### Descripción

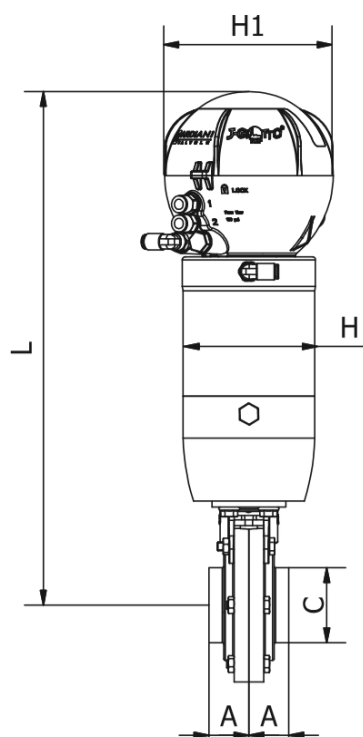
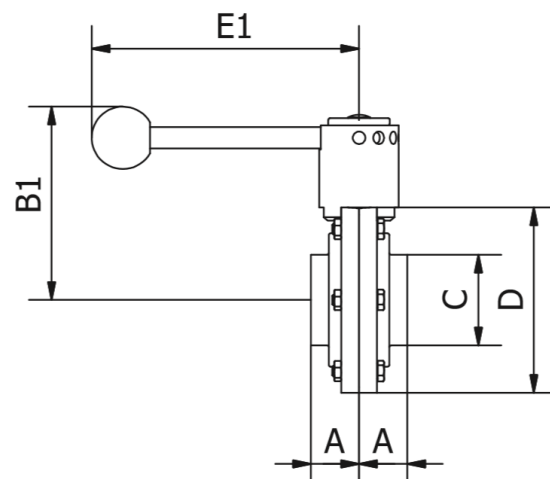
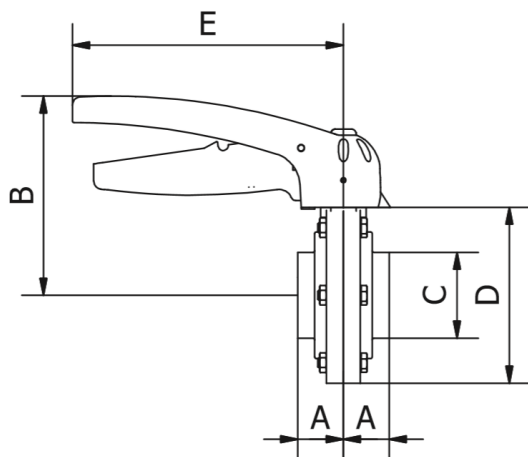
Esta válvula de mariposa de accionamiento neumático tipo ZVF es adecuada para el aislamiento automático de fluidos de tuberías de proceso. Disponible con muchas opciones de extremo, sello y operación. Disponible en tamaños desde DN10 hasta DN150. Esta válvula ofrece una excelente calidad, larga vida útil y asequibilidad.



#### Description

Cette vanne papillon à commande pneumatique de type ZVF convient à l'isolation automatique des fluides de pipeline de process. Disponible avec de nombreuses options d'extrémité, de joint et de fonctionnement. Offert dans des tailles de DN10 à DN150. Cette vanne offre une excellente qualité, une longue durée de vie et un prix abordable.

## PLAIN ENDS



| DN     | A  | B   | B1  | C        | D   | E   | E1  | H   | H1  | L   |
|--------|----|-----|-----|----------|-----|-----|-----|-----|-----|-----|
| 1"     | 26 | 107 | 97  | 25.4x1.5 | 80  | 160 | 150 | 90  | 112 | 331 |
| 1 1/2" | 25 | 109 | 103 | 38.1x1.5 | 92  | 160 | 150 | 90  | 112 | 337 |
| 2"     | 27 | 112 | 109 | 50.8x1.5 | 104 | 160 | 150 | 90  | 112 | 343 |
| 2 1/2" | 28 | 126 | 119 | 63.5x1.5 | 120 | 160 | 150 | 105 | 112 | 355 |
| 3"     | 30 | 131 | 128 | 76.1x2   | 130 | 160 | 150 | 105 | 112 | 359 |
| 4"     | 36 | 147 | 138 | 101.6x2  | 162 | 160 | 150 | 105 | 112 | 374 |
| 5"     | 56 | -   | 161 | 127x2    | 200 | 220 | 150 | 168 | 145 | 491 |



## Technical Details

|                                                   |                                                    |
|---------------------------------------------------|----------------------------------------------------|
| Sizes from DN10 - DN150                           | Imperial and Metric DIN, SMA, IDF, BS (RJT), CLAMP |
| Wetted Parts                                      | AISI 316L (1.4404)                                 |
| Seal/Liner Materials                              | EPDM (STD), FKM, HNBR                              |
| Max Pressure                                      | 10 Bar (145 psi)                                   |
| Temperatures Max - EPDM<br>figures based on air   | 120°C (248°F)                                      |
| Temperatures Min - EPDM<br>figures based on air   | -10°C (14°F)                                       |
| Finish on surfaces in contact<br>with the product | Ra 0.8 µm                                          |

## PLAIN ENDS

### Functional description

The automated version valve can be supplied in three configurations, Spring to Close (STC), Spring to Open (STO) or Double acting (DA).

### Technical data

Max. product pressure at 20°C: 10bar (1000kPa)

Min. product pressure at 20°C: Full vacuum

Recommended operating pressure at 20°C: 6bar (600kPa)

Recommended temperature range: -5°C to 95°C

### Benefits

Maintenance friendly.

Site repairable.

Quarter turn operation.

Full range of optional accessories.

### Features

Quarter turn operation

Isolation or regulation control

Equal percentage characteristics

Bi-directional capability

Fully machined 316L stainless steel body

Optional end connections

One-piece disc and stem assembly

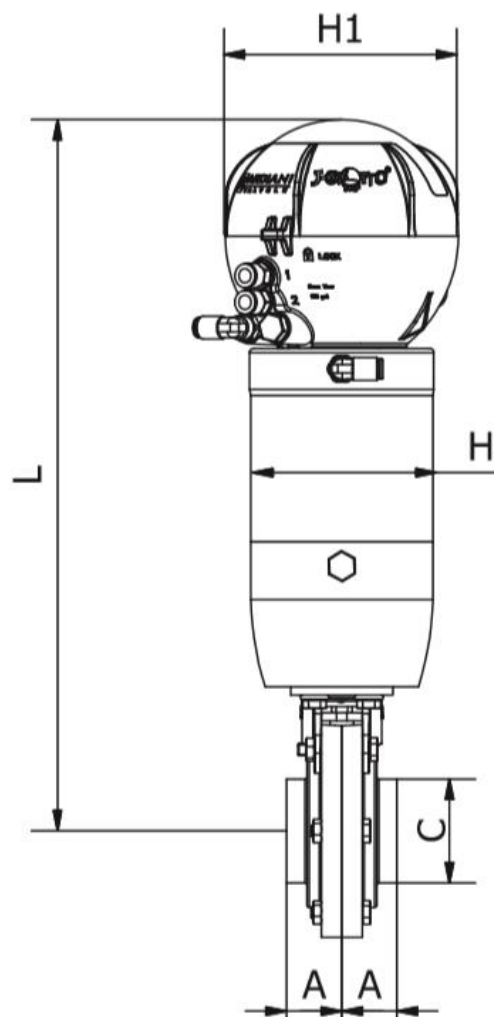
High Cv slim profile disc

Integral valve position indicator

High grade seat material options

### Effective Piloting and Switching

The new J-Giotto Top® 360 has been designed to ensure effective control of the various movements of Bardiani Valvole valves. Each control unit can manage all the operations linked to valve functioning: in fact, both the position indicators (proximity switches) and the solenoid valves are installed inside the J-Giotto Top® 360



## J-Giotto Top

Quality of materials and observance of the highest safety standards

Effective and reliable valve monitoring

Developed to reduce dimensions to a minimum and to control single seat, butterfly and ball valves

Easy installation on the valve

### DESCRIPTION

The new J-Giotto Top® 360 has been designed to ensure effective control of the movements of the valve. Each control unit can manage all the operations linked to valve functioning and both the position indicators (proximity switches) and the solenoid valves are installed inside the J-Giotto Top® 360, which can be quickly and easily installed on the top of the valve actuator. Made from high-resistance materials, the reliability of the electrical components which make up the unit ensures the operator can safely monitor operation and control in remote mode. Illuminated indicators are visible on all sides (360°) Green open and Yellow Closed. High protection rating (IP67) against dust and liquid penetration ensures perfect operation even in the most arduous operating conditions.



### J-Giotto Top Technical Data

|                 |                     |
|-----------------|---------------------|
| Casing Material | PA66 + PA6 + GB130X |
| Gaskets         | NBR                 |
| Protection      | IP67                |
| Air Connection  | 1/8" BSP            |
| Air Pressure    | 6-7 Bar             |
| Temperature     | -25°C - 70°C        |

For more information see  
J-Giotto Top data booklet