

INFLATABLE SEAT “INFLAS®”



Resilient seated butterfly valve type Z011-A INFLAS® Inflatrol / Inflatrol Vaccum with inflatable liner.

TECHNICAL DATA

The sealing system was developed for highly abrasive or very sensitive media.

Available for all resilient seated butterfly valves with interchangeable seat from DN 80 - DN 400.

In closed position, the liner will be pressed against the disc using low air pressure. The media is sealed off securely.

Before opening the disc, the chamber is vented behind the liner. This creates an air gap between the liner and the disc, hence low torque is required to open the valve.

ADVANTAGES

Extremely low wear of parts even in contact with abrasive media

Low sized actuators due to reduced torques

Low grinding/-clamping of sensitive media between disc and liner

THE EBRO CONTROL

1. Signal “OPEN” appears as a digital signal
2. The air pressure is reduced behind the liner
3. The valve will open if there is no pressure on the liner
4. Position “OPEN” will be confirmed
5. When the signal disappears, the valve will close
6. Position „CLOSED” will be confirmed
7. When the valve is closed, the liner will be pressurised
8. When pressure is on the liner „OK” will be reported

GENERAL APPLICATIONS

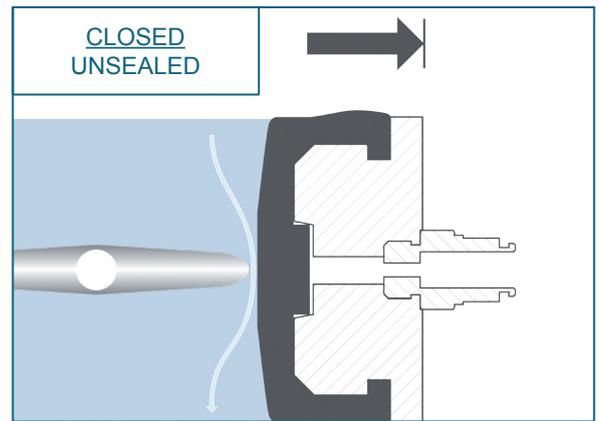
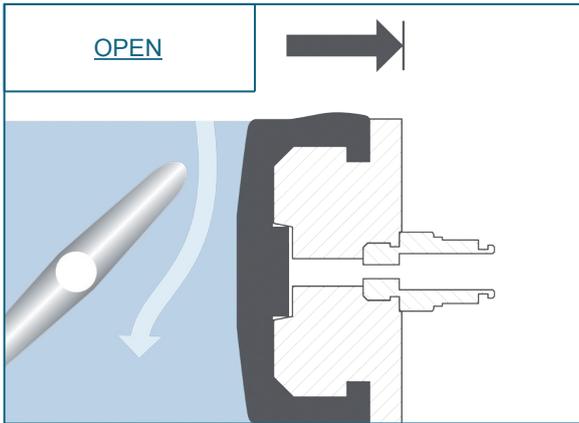
- Bulk goods
- Food industry
- Pneumatic conveying systems
- Weighing technology



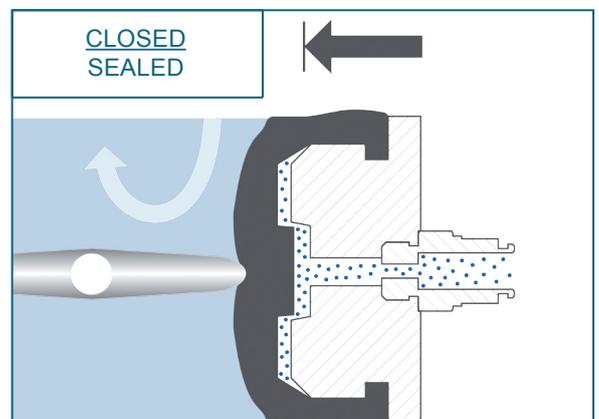
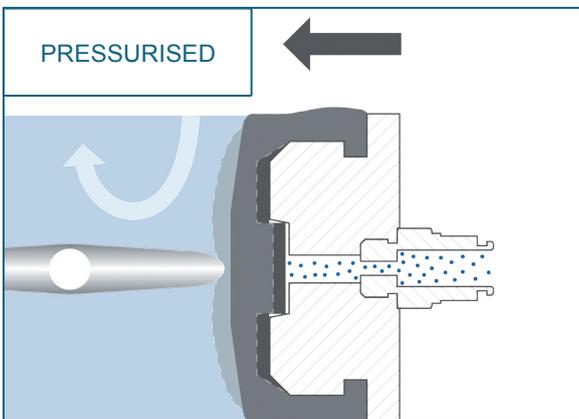
Z014-A INFLAS® ECO

INFLATABLE SEAT "INFLAS®"

FUNCTIONAL DESCRIPTION INFLATABLE SEAT



As the valve rotates into the closed position, the disc makes casual contact with the seat, reducing friction, wear and torque requirements.



After the valve is closed, the seat inflates against the disc providing bidirectional bubble tight seal.

| INFLAS® | ECO | INFLATROL | VACUUM |
|--|-----|-----------|--------|
| Inflatable Seat | x | x | x |
| Inflation Pressure Control | x | x | x |
| Central Air Supply | x | x | x |
| Position Safety Scan | x | x | x |
| Pneumatic Time Control | x | - | - |
| Electronic Control of all sequences | - | x | x |
| Automatic function control | - | x | x |
| Error Indication evaluable via contact | - | x | x |
| Electronic Pressure Control | - | x | x |
| LED Status Display | - | x | x |
| Vacuum Module (Option) | - | - | x |
| ATEX (Option) | x | x | x |