

# POWER FOR BATTERY PRODUCTION.

Butterfly valves for full-containment processes





## OUR SOLUTIONS. FOR YOUR REQUIREMENTS.

EBRO ARMATUREN is setting new global standards in a wide range of industrial areas of application. Thanks to our expertise gained from numerous projects for both national and international customers, we provide industry-leading solutions for the extreme challenges faced in modern battery production.

Through smart design, the use of special materials, and meticulous, high-precision manufacturing, our valve, actuator and automation technology ensures a maximum level of quality. Ultimately, this commitment to excellence is the key to safety, efficiency and material purity across all production lines.

### Serving you around the globe.

EBRO's quality knows no boundaries. That is why we are there for you through an extensive network, comprising more than 30 national and international

subsidiaries. As a result, you can rely on top-class expertise, customized product solutions and a highly proficient service wherever your production site may be located.

## THE SPECIALISTS. FOR MAXIMUM SAFETY IN PRODUCTION.

EBRO specialises in developing and manufacturing valves, actuators and automation technology. We provide innovative, application-specific solutions for our customers, all from a single source and with perfectly coordinated components. These have been optimised to suit their respective processes and torque characteristics – maximum operational reliability and cost-effectiveness guaranteed.

The result: nothing less than state-of-the-art quality, energy efficiency and profitability.

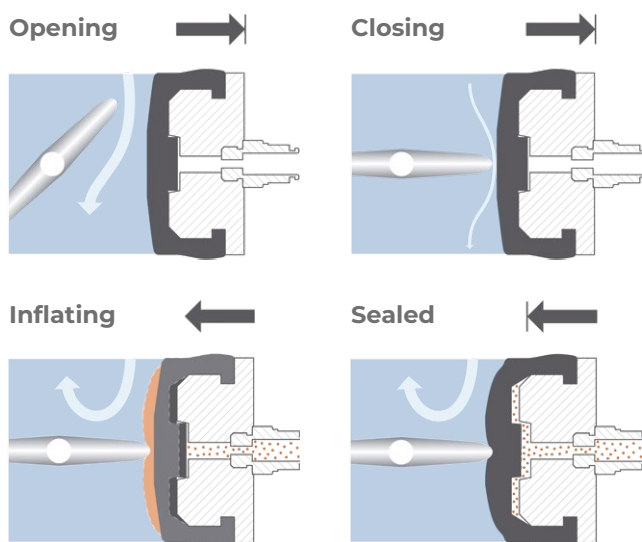
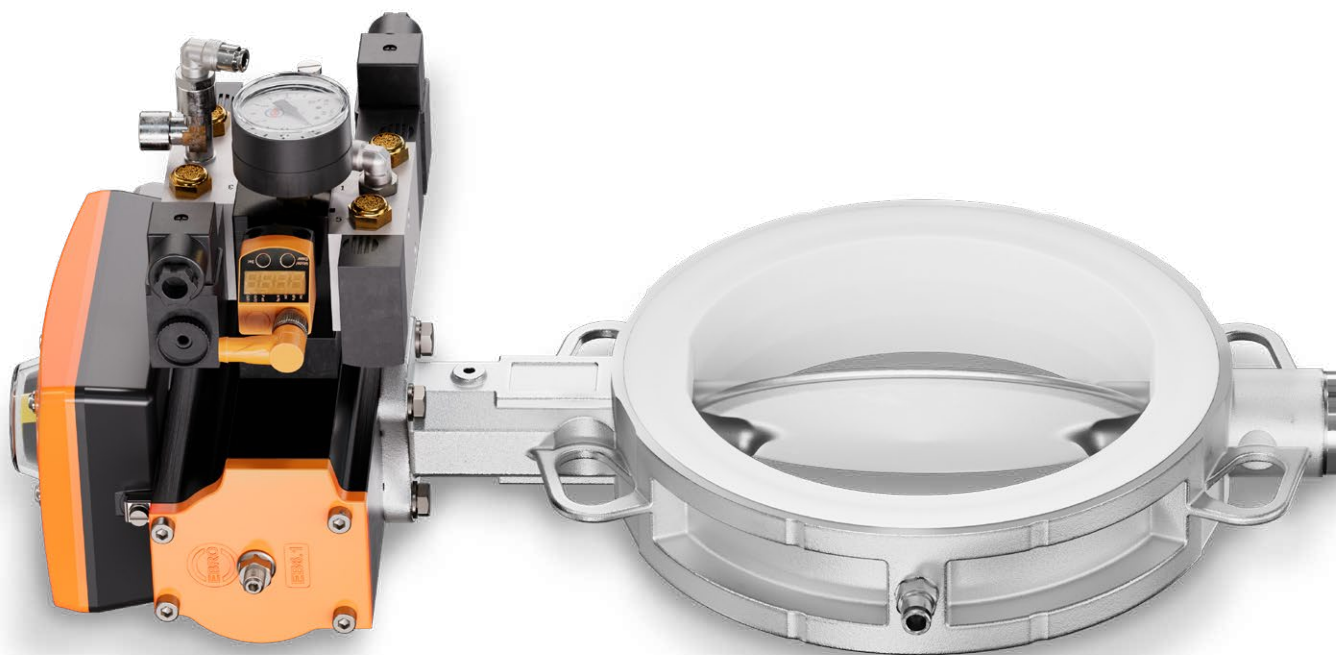
## INFLAS®

### Maximum efficiency unleashed

The INFLAS® shut-off and control valve features an inflatable liner sealing system. This special design effectively prevents the formation of elastomer abrasion during valve closure, ensuring contamination-free processing of dry and pasty media.

### The benefits:

- Completely free of non-ferrous metals
- Full containment
- Virtually no elastomer contamination
- Emission-free (in accordance with TA-Luft)



### Simply unbeatable

The liner of the INFLAS® is pressurized after the valve disc is closed. This ensures the valve is sealed without the friction between the valve disc and elastomer, unlike with conventional designs. This principle reliably prevents wear on the liner, ensuring contamination-free processing of the media.



## IBC VALVE BE

### Container valve for safe and secure transport

The BE valves are specifically designed for container systems. The slim, space-saving body is ideal for mobile containers. The valves can be mounted without any collision of screw heads due to their offset flange holes. The unique design of the outlet side guarantees secure and straightforward sealing at the docking station.

#### The benefits:

- No ferrous metals
- Drop latch
- Specifically for docking systems
- Remote controllable
- ATEX/IECEX



## VIDOS® – THE VIBRATION VALVE

### Precise dosing even for the most challenging media

ViDos® control valves ensure optimal discharge performances in coarse and fine flows. Filling and emptying operations are performed cleanly and contamination-free in a direct downward direction.

Optionally, the ViDos can be enhanced with the wear-minimizing function of INFLAS®. Additionally, various disc and liner materials are available for abrasive media.

#### The benefits:

- No ferrous metals
- Volume flow precisely adjustable
- Rapid positioning between 4 and 20 mA
- High repeatability
- Unbeatable service life
- Explosion protection



## CYCLE LOCK TS

### Optimum explosion isolation even in the case of large pressure differences

Ideal for safe discharge from silos, storage tanks, BigBag emptying stations, sack loading stations, as well as reliable infeed to conveying lines, mixers and reactors. EBRO cycle locks are approved as passive explosion isolators at performance level D.

Optional features include level indicators, access hatches, discharge aids, etc. Also available in a conical design.

#### The benefits:

- No ferrous metals
- Full containment: no need to open the lock for cleaning
- Explosion-proof
- Resistant to flame penetration
- ATEX/IECEX, including for hybrid mixtures



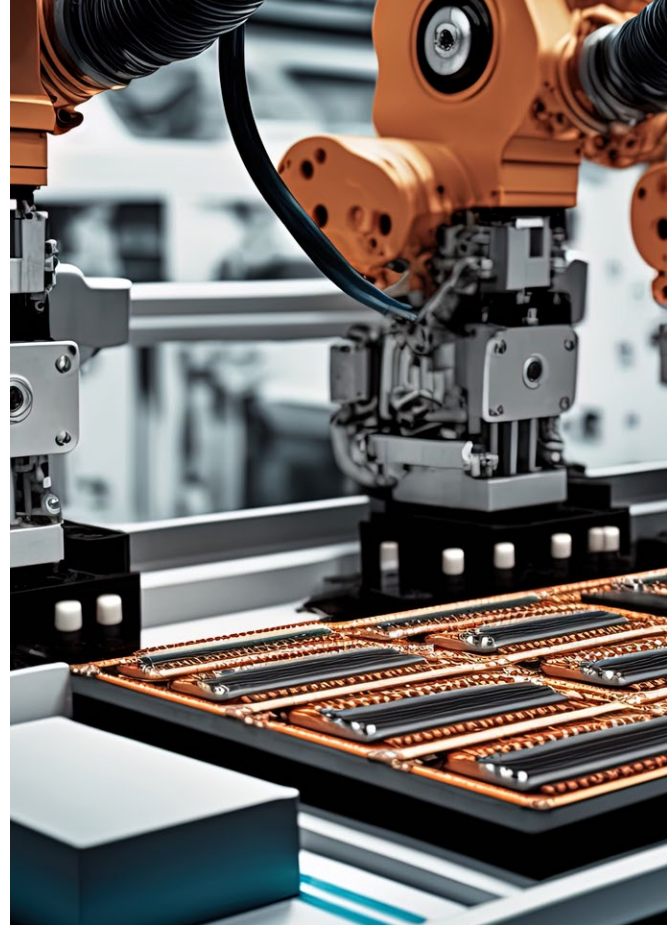
## IMPELLER VALVE FS-M

For a consistent discharge of solids

EBRO impeller valves are designed to ensure a consistent discharge, even of challenging media. High rotational speed and small chamber volumes enhance/improve the flow rate and slow down any rapid-flowing media.

### The benefits:

- No ferrous metals
- Variable speed
- Shut-off function
- Gear motors available in ATEX, CSA, UL, etc.
- Optional in full stainless steel



## Z 400 SERIES

Tailored perfectly to PE/PP and lined metal pipes

The concentric, resilient seated butterfly and control valves of the Z 400 series feature a reduced inner diameter for easy installation to PE/PP plastic pipes and lined metal pipes. This design eliminates the need to chamfer the pipes.

### The benefits:

- No ferrous metals
- Optimal flow geometry
- Suitable for solids, liquids and gases
- ATEX/IECEX
- Minimal wear



# THE WORLD OF EBRO ARMATUREN.

## Our international network



Established in 1972, EBRO ARMATUREN has a compelling track record when it comes to developing, producing and marketing butterfly and control valves as well as automation technology for industrial applications. With more than 1,000 employees at 30+ national and international subsidiaries, EBRO ensures that its products are available in over 100 countries worldwide. The global network maintains consistently high manufacturing and quality standards at the headquarters in Germany as well in Italy, Sweden, China and Thailand.

In 2005, EBRO ARMATUREN acquired the Swedish manufacturer Stafsjö Valves AB, thereby expanding its overall product range to include an extensive portfolio of knife gate valves.

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Video about the  
EBRO INFLAS®

