CHEMICALLY RESISTANT. HYGIENICALLY EXCELLENT.

H 011 series butterfly valves
for the most demanding hygiene
requirements in the food technology
and pharmaceutical industries

EBRO ARMATUREN®

MODULAR. NO QUESTION.

The new butterfly valves have a modular design and are all made up of a basic valve and a specific flange connection. This makes finding the right connection option for any installation situation child's play.

The **body** made from corrosion-resistant stainless steel (1.4408) is designed to ensure that it is easy to clean thoroughly from the outside.

The **disc and shaft** are cast from a single piece of duplex stainless steel (1.4469). This avoids gaps and dead space where the disc meets the shaft and also reduces the risk of contamination.

The mirror-polished surface of the duplex disc is resistant to corrosion, in addition to being non-adhesive, hygienic and also easy to clean.

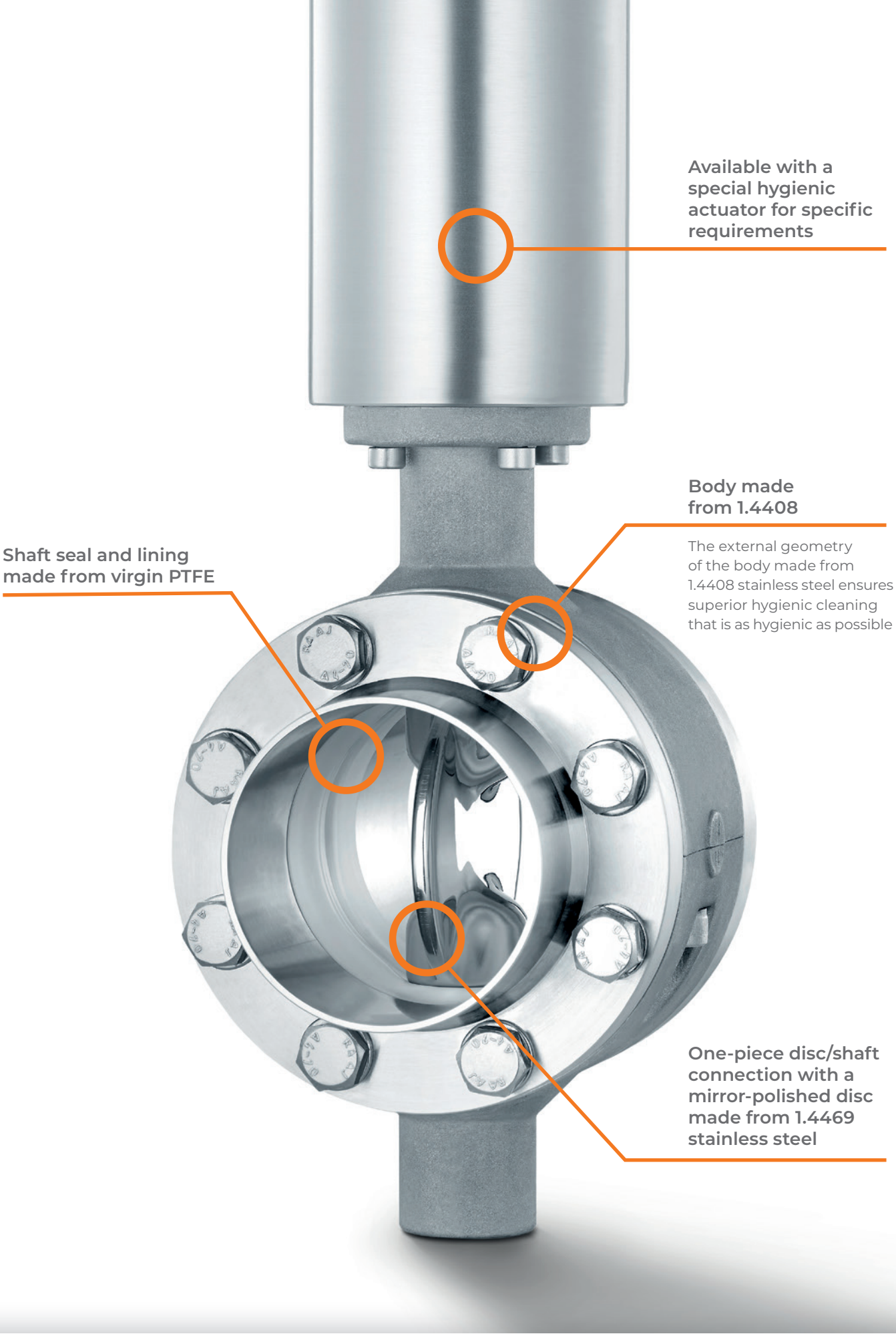
The **shaft sealing system** comprises a spring assembly with a downstream pressure ring, which applies reliable, constant pressure to the liner. Unlike a conventional disc sealing system, this achieves particularly reliable and long-lasting sealing for the shaft passage area.

The **valve liner** is made from virgin PTFE that has been approved in accordance with FDA requirements and the EU's food contact regulation (No. 1935) and is thus ideal for use in the food and pharmaceutical industries. PTFE is resistant to almost all chemical media and does not absorb any odorants, flavourings or colourings. This makes it perfect for cleaning pipe systems using steam or chemical additives.

EBRO ARMATUREN®

SAFE, SPOTLESS: SUPER!

The unique design of its body prevents any dirt from getting inside the stainless-steel hygienic actuator. At the same time, the smooth stainless-steel surface of the actuator unit provides unbeatable protection against adhering residues and bacterial contamination.



Available with a special hygienic actuator for specific requirements

Body made from 1.4408

The external geometry of the body made from 1.4408 stainless steel ensures superior hygienic cleaning that is as hygienic as possible

Shaft seal and lining made from virgin PTFE

One-piece disc/shaft connection with a mirror-polished disc made from 1.4469 stainless steel

A NEW DIMENSION IN HYGIENE.

With the H 011 series, EBRO offers innovative butterfly valves for use in areas of application in which hygiene requirements are especially high, such as in food technology or pharmaceutical processes industries.

Thanks to its unique design and special materials, the butterfly valve combines the benefits of a valve from the chemical industry with the properties of a disc valve for hygiene requirements.

TYPICAL APPLICATIONS

H 011 series butterfly valves are ideal for:

- Processes that require maximum chemical resistance
- Processes that need to guarantee permanent, reliable cleaning (e.g. CIP/SIP)
- Breweries and brewhouses
- Drinks industry/extracts
- Paint and varnish industry
- Pharmaceutical industry

Besides FDA compliance, therefore, it also boasts outstanding resistance to chemically and physically aggressive media. Both CIP and cleaning with steam at up to 150 °C are easy to achieve without removing the valve. Versions that comply with TA-Luft or ATEX regulations can also be supplied for specific applications.

Purest pleasure

The bodies in the H 011 series are manufactured from high-quality, corrosion-resistant stainless steel and, together with the virgin PTFE liners, deliver a best-in-class combination of materials.

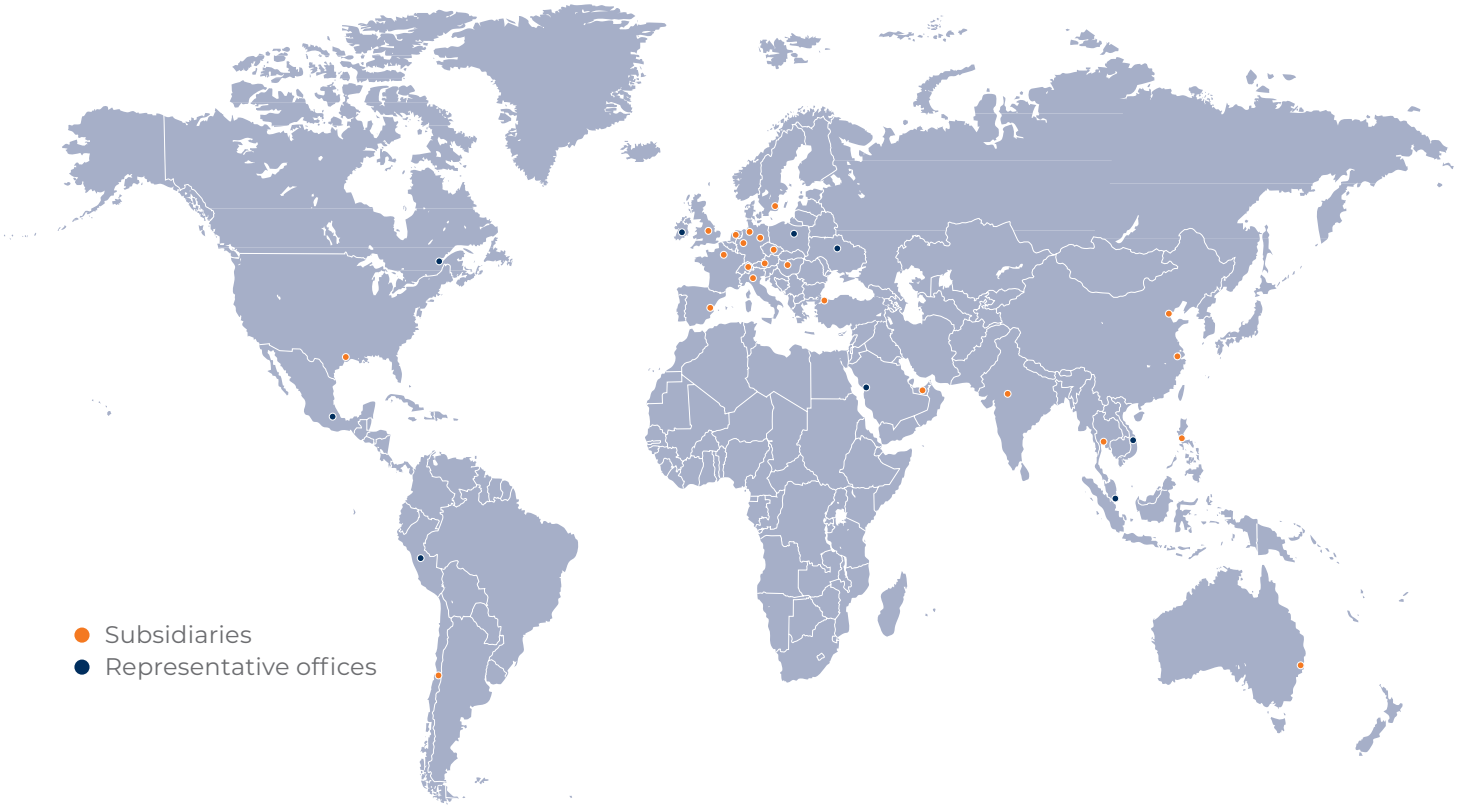
The mirror-polished surface and high-precision machining of all components guarantee maximum safety, both when operating production facilities and when cleaning with installed valves.

Winning the argument on every point

- Optimised through-flow with hardly any dead space
- Temperatures from -40 °C to +200 °C
- Maximum operating pressure 10 bar
- Maintenance-free valve
- Lasts longer than conventional disc valves
- TA-Luft version made using dissipative materials available as an option

THE WORLD OF EBRO VALVES.

Our international network



Since the company was founded in 1972, EBRO ARMATUREN has been developing, producing and selling shut-off and control valves as well as automation technology for industrial applications. More than 1,000 employees at two domestic and 30+ international subsidiaries ensure that EBRO products are available in over 100 countries worldwide. Within the global network, production takes place at the headquarters in Germany and in Italy, Sweden, China and Thailand with uniformly high manufacturing and quality standards.

In 2005, the Swedish manufacturer Stafsjö Valves AB was acquired and the product range was extended by an extensive portfolio of knife gate valves.

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More information on the EBRO H 011 series