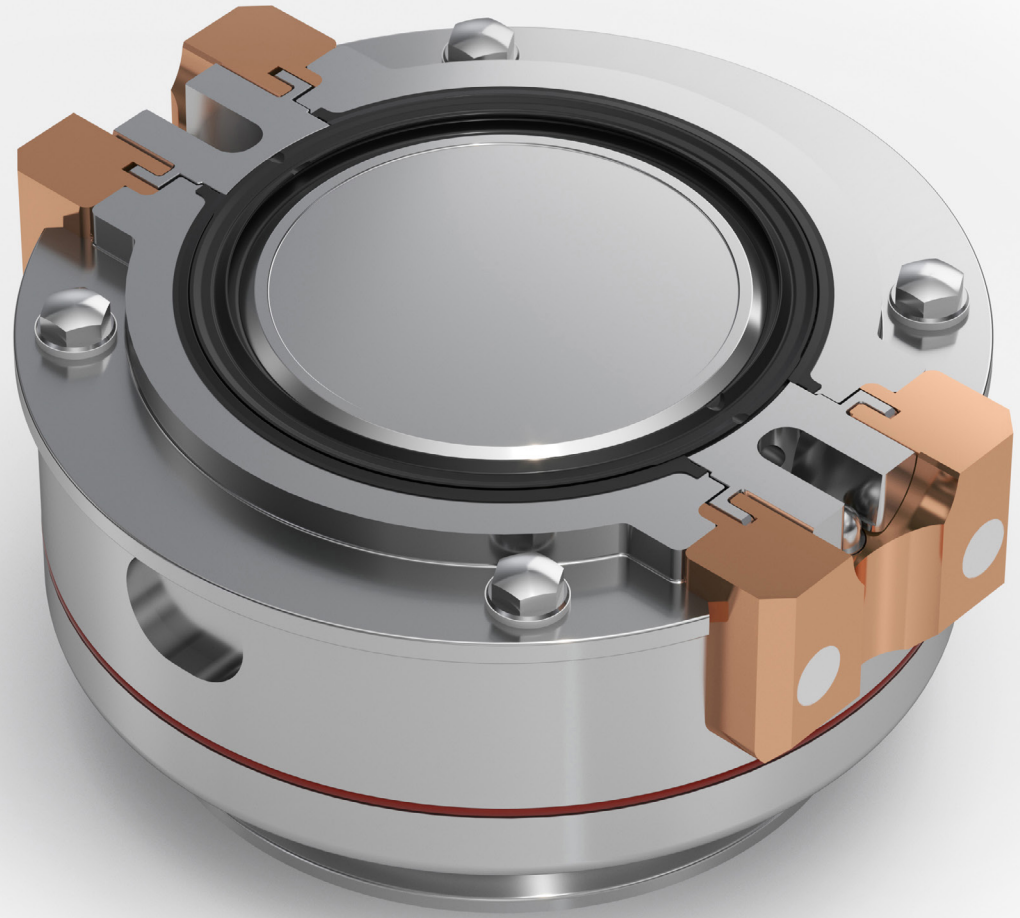
BUCK®
AC VALVE.

Putting the AC in active compound processing with new valve technology.

Solvent-compatible powder transfer.



GEA Engineering for a better world.

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Is your split butterfly valve compatible with harsh solvents and physically demanding environments?

The BUCK® AC Valve from GEA brings solvent-resistant functionality to a range of powder transfer applications in multiple industries.

Extending its portfolio of split butterfly valves for contained powder processing, the new BUCK® AC Valve from GEA builds on the functionality and performance of the tried-and-tested MC split butterfly valve.

Designed using exactly the same core principles, with two identical half valves that are both driven by a common actuator, the AC has the same footprint as the BUCK® MC Valve and even uses the same control architecture, actuators and other accessories.

Complementing GEA's other pressure-rated valves, the AC has been built to operate at high temperature (up to 150 °C) conditions, and at up to 2.5 bar in the open position and 6 bar in the closed position. Previous versions were only pressure-rated in the closed position.

This next-generation addition to GEA's valve portfolio also makes it suitable for applications using previously incompatible solvents. The seal in any valve determines its level of solvent resistance, which also governs what types of materials you can work with and process.

And whereas the BUCK® MC Valve continues to be the default choice for the contained transfer of active powders from one vessel to another in oral solid dosage pharmaceutical manufacturing lines, the AC takes this performance to the next level for more physically demanding environments.

Compared with the original MC valve seal, the AC version has been completely reworked to make it smaller and more sustainable. Reducing both the size and weight of the seal not only makes it easier to produce, it also reduces the amount of raw material use means that there's less waste when it comes to replacing the wear parts.

And, by being able to cost-effectively utilize a more exotic rubber compound in the AC, GEA is now able to provide a valve that's compatible with a wider range of solvents.

As well as delivering the same level of flexibility as the MC version, the seal is ten times smaller, 80% lighter and scratch-resistant. This means that the AC valve can be used in both secondary pharmaceutical applications as well as in agrochemical processes and systems for the production of active pharmaceutical ingredients (APIs) wherein alcohol-based and/or organic solvents are widely used.

In addition, upgrading from an MC to an AC is easy, convenient and only involves changing the half valve element.

Designed for both current and future applications, the BUCK® AC Valve confirms GEA's position as a pioneer in containment solution and is a timely addition to the #ContainedThinking range of high-quality components that address the needs of a broad array of customers.

Cost-compatible with the trusted MC valve, and with sustainable sourcing and use in mind, the AC adds high-pressure, high temperature, solvent-resistant performance to almost any campaign and any concept.

Whether you need a single containment interface or a completely contained solid dosage facility, anywhere in the world, our experienced experts are available to provide advice and the solution that meets the specific needs of your application.

For more information
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