

Valves for vacuum applications

Vacuum -
Expertise in demanding applications



Vacuum resistant valve solutions

The mastery of vacuum environments is essential for a multitude of industries. The design of InterApp's butterfly valves is perfectly suited for vacuum conditions across a wide spectrum of applications.

InterApp butterfly valves support evaporation processes at lower temperature, crucial in the food, beverage, pharmaceutical and sugar industries, and contribute to the quality of material handling in battery production and semiconductor manufacturing. Furthermore, they are employed in testing facilities for future transportation systems, where they reduce air resistance, thereby increasing speed and efficiency.

Benefit from:

- Tailored valve solutions designed for specific processes
- Highly efficient products meeting diverse market standards
- Robust liners and seals capable of withstanding high vacuums
- Bonded liner for elastomer-lined butterfly valves
- Ultraflon™ liner for PTFE-lined butterfly valves
- Deep application know-how of our technicians to find the best solution for your vacuum process

Quick selection

Find the suitable butterfly valve for your vacuum application.

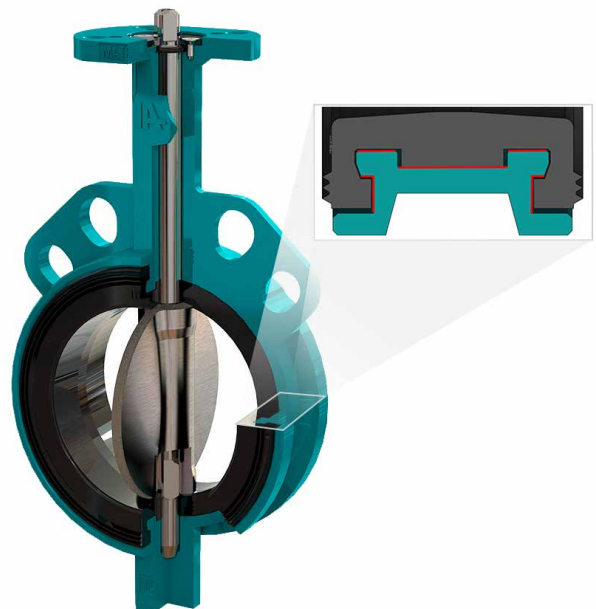
Butterfly valve	Size	Liner material	Max. temp	Min. vacuum pressure
Desponia® (standard, loose liner execution)	DN 25 – DN 300	EPDM / NBR	80 °C	200 mbarA (– 0,8 bar)
	DN 350 – DN 600			400 mbarA (– 0,6 bar)
	DN 700 – DN 1600			600 mbarA (– 0,4 bar)
Desponia® (bonded liner execution)	DN 450 – DN 600	All	80 °C	200 mbarA (– 0,8 bar)
	DN 700 – DN 1600			300 mbarA (– 0,7 bar)
Desponia® plus (bonded liner execution)	DN 25 – DN 300	All	80 °C	80 mbarA (– 0,92 bar)
	DN 350 – DN 600			200 mbarA (– 0,8 bar)
Bianca	DN 32 – DN 300	Ultraflon™ with MVQ backliner	100 °C	1 mbarA (– 0,999 bar)
	DN 350 – DN 900			200 mbarA (– 0,8 bar)

Bonded liners

Bonded liners enhance the vacuum capabilities. As the liner is cold vulcanised to the body and due to its unique design well anchored in the body, it cannot be pulled in by the vacuum.

Benefits

The coating procedure for Desponia plus butterfly valves and Desponia in larger dimensions allows that the internal surface of the valve body remains uncoated. This design facilitates the bonding of the liner to the valve body using a specialised adhesive through a cold vulcanisation process. InterApp's used chemical bonding agent is optimally formulated for creating a durable and secure bond between metal and rubber components, ensuring a robust and reliable connection.



We are there for you. With our global expertise in industrial applications, we understand your requirements and offer expert advice at every stage of your project. At the same time, you can benefit from our international product standards thanks to our global know-how. Our highly skilled technical team, coupled with the quality and durability of our products, makes us a reliable partner for industrial valve solutions.