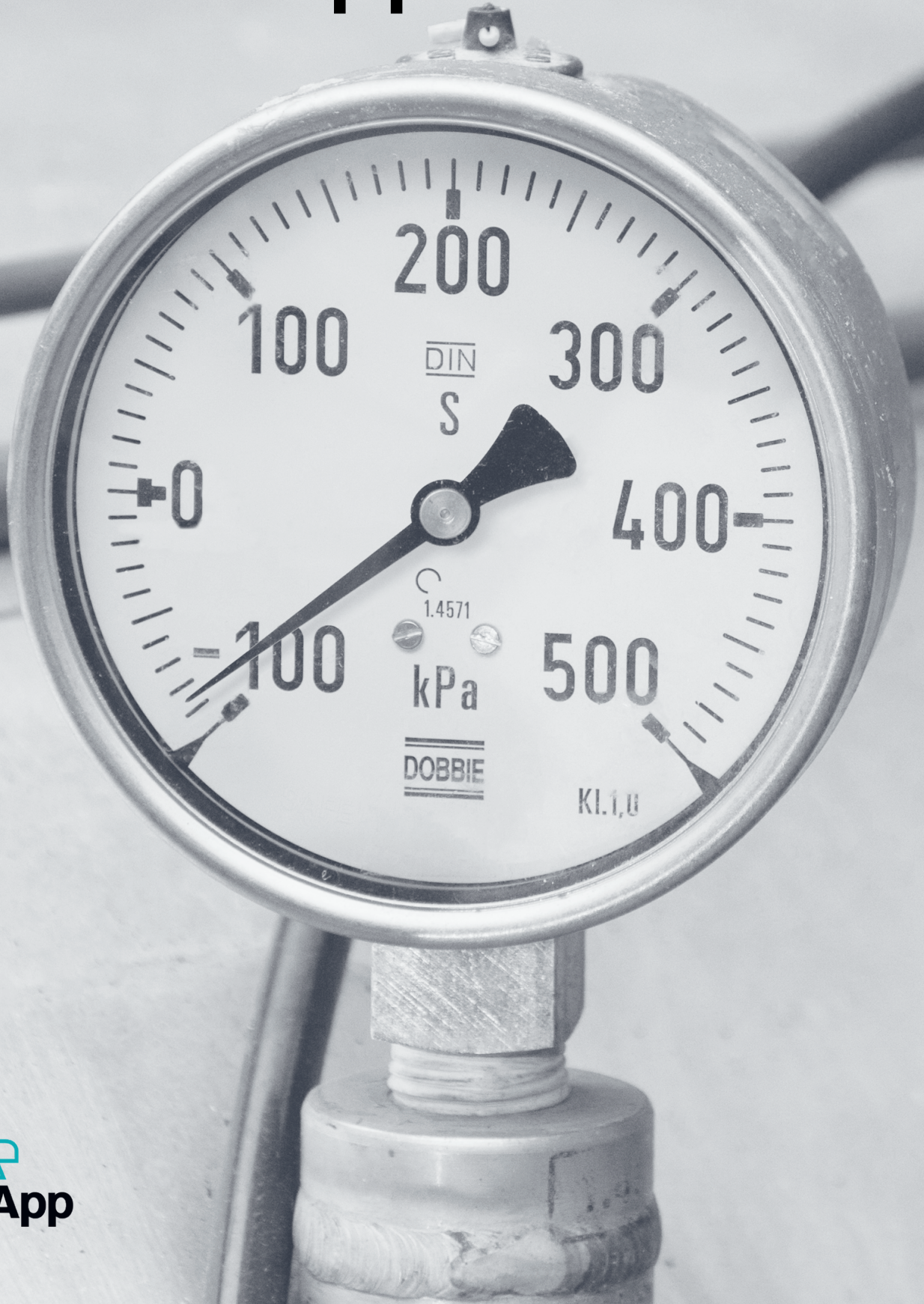


# Valves for vacuum applications

Vacuum -  
Expertise in demanding applications



# Vacuum resistant valve solutions

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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®<br>(standard, loose liner execution) | 1" – 12"    |                                  |           | 150 torr (– 0,8 bar)    |
|  | 14" – 24"   | EPDM / NBR                       | 176 °F    | 300 torr (– 0,6 bar)    |
|  | 28" – 64"   |                                  |           | 450 torr (– 0,4 bar)    |
| Desponia®<br>(bonded liner execution)          | 18" – 24"   | All                              | 176 °F    | 150 torr (– 0,8 bar)    |
|  | 28" – 64"   |                                  |           | 225 torr (– 0,7 bar)    |
| Desponia® plus<br>(bonded liner execution)     | 1" – 12"    | All                              | 176 °F    | 60 torr (– 0,92 bar)    |
|  | 14" – 24"   |                                  |           | 150 torr (– 0,8 bar)    |
| Bianca   | 1 ¼" to 12" | Ultraflon™ with MVQ<br>backliner | 212 °F    | 0,75 torr (– 0,999 bar) |
|  | 14" – 36"   |                                  |           | 150 torr (– 0,8 bar)    |

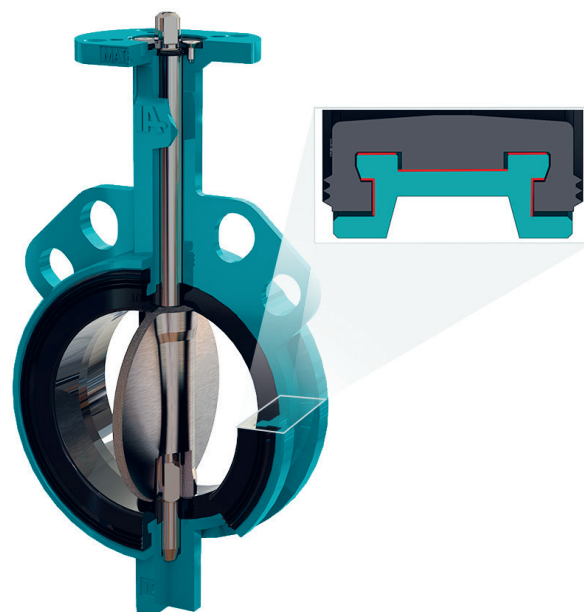
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## Bonded liners

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. Anywhere, anytime.**

As an international company with extensive product and project expertise, we support you with our sales partners and our technical support team in all parts of the world.

