

Acid resistant valve solutions

Chemical Plants –
Experience in demanding industrial processes







Highly reliable valves for maximum plant availability

3

InterApp's valve solutions are used in the most aggressive chemical processes worldwide. As a customer-oriented manufacturing and distribution company, we offer highly corrosion-resistant and safe valves especially for sulphuric acid plants.

Whether for contact or tower plants, gas cleaning or gas drying processes, strong or weak acid generation, our internationally experienced team can assist you with the best solution.

Withstanding the severest conditions



4

Expect more



Reliability

Thanks to a large range of body, liner and disc materials, process-specific executions can be created to withstand the severest conditions.

Bianca

PTFE-lined butterfly valve

Centric butterfly valve for corrosive fluids and chemical applications in general.

| | |
|------------------------|--|
| Body construction | Wafer, Lug, U-Section |
| Nominal diameter | DN 32–900 (1¼"–36") |
| Max. working pressure | Up to 16 bar |
| Flange connection | PN10, PN16, ANSI cl. 150, AS 2129 tab. D and E, JIS B2220 |
| Temperature range | –20°C to 200°C |
| Body material | Ductile iron GGG40.3, Stainless steel |
| Disc-shaft (one piece) | Stainless steel, Duplex, Hastelloy, PFA and PFA antistatic overmoulded |
| Liner material | PTFE, PTFE antistatic, Ultraflon®, Ultralene™ |
| Special executions | Execution for explosive atmospheres |

Desponia® plus

Elastomer-lined butterfly valve

Centric butterfly valve for all kind of chemical application and general industrial services on the plants.

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|-----------------------|--|
| Body construction | Wafer, Lug |
| Nominal diameter | DN 25 – 600 (2" – 24") |
| Max. working pressure | Up to 20 bar |
| Flange connection | PN6, PN10, PN16, ANSI cl. 150, JIS, AS, AWWA, etc. |
| Temperature range | -20°C to 200°C |
| Body material | Ductile iron GGG40 |
| Disc material | Stainless steel, Super austenitic steel, Super Duplex, Halar® coated, Ultralene Coating™, PEKK |
| Liner material | EPDM, EPDM for high temperature, FPM, Flucast® FX |
| Special executions | Executions for explosive atmospheres |

5

2

Availability

A high availability of semi-finished components and a flexible production enable short delivery times both for valves and spare parts.

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Long-term partnership

InterApp valves convince in chemical plants since many years. Customers all over the world rely on our proven products and know-how.

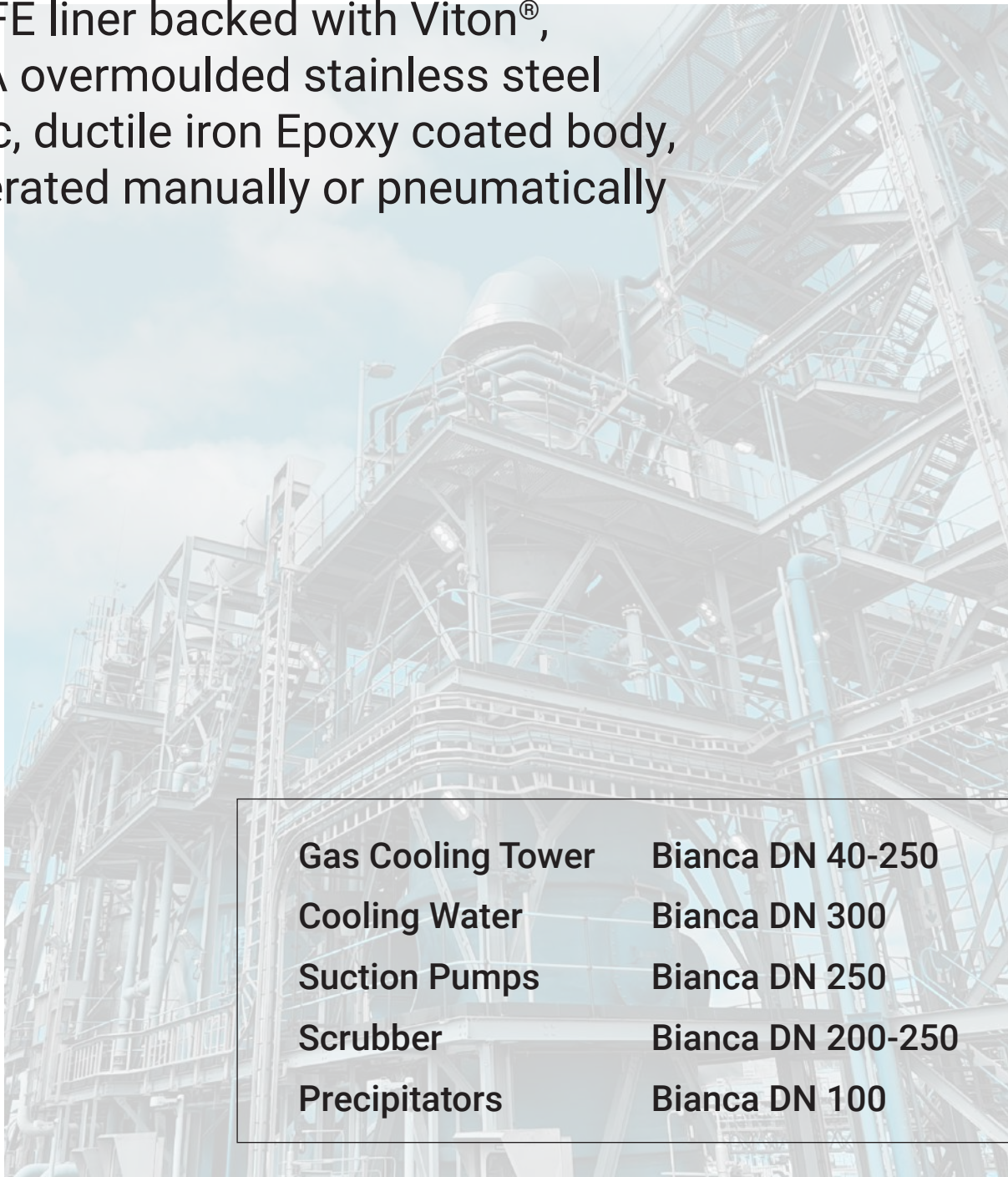
Complete package

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Our full-scale support comprises process-specific solutions for different market standards as well as international project support, from development to delivery.

The right solution for your sulfuric acid plant

Bianca butterfly valves with PTFE liner backed with Viton[®], PFA overmoulded stainless steel disc, ductile iron Epoxy coated body, operated manually or pneumatically



| | |
|--------------------------|--------------------------|
| Gas Cooling Tower | Bianca DN 40-250 |
| Cooling Water | Bianca DN 300 |
| Suction Pumps | Bianca DN 250 |
| Scrubber | Bianca DN 200-250 |
| Precipitators | Bianca DN 100 |

Other products



Elara

Double eccentric butterfly valve, DN 50–600
Carbon steel and stainless steel



Titania

Triple offset metal to metal seat butterfly valve, DN 80–1400
Stainless steel, Duplex and Super Duplex.



Saturnia

Damper valve, DN 50–2000
Carbon steel and Stainless steel.



Ball valves

2 and 3 way valves in different materials
Stainless steel, special alloys, PFA-lined, PVC, PP, PVDF.



Check valves

Swing, poppet and ball check valve, PFA- and PTFE-lined, DN 15 – 300.



Actuators

Depending on the specific requirements, InterApp valves can be operated manually or automatically.



Rhea

Swing check valve, DN 32–600
Stainless steel, Duplex and Super Duplex.



Neptunia

Dual plate check valve, DN 50–600
Stainless steel, Duplex and Super Duplex.

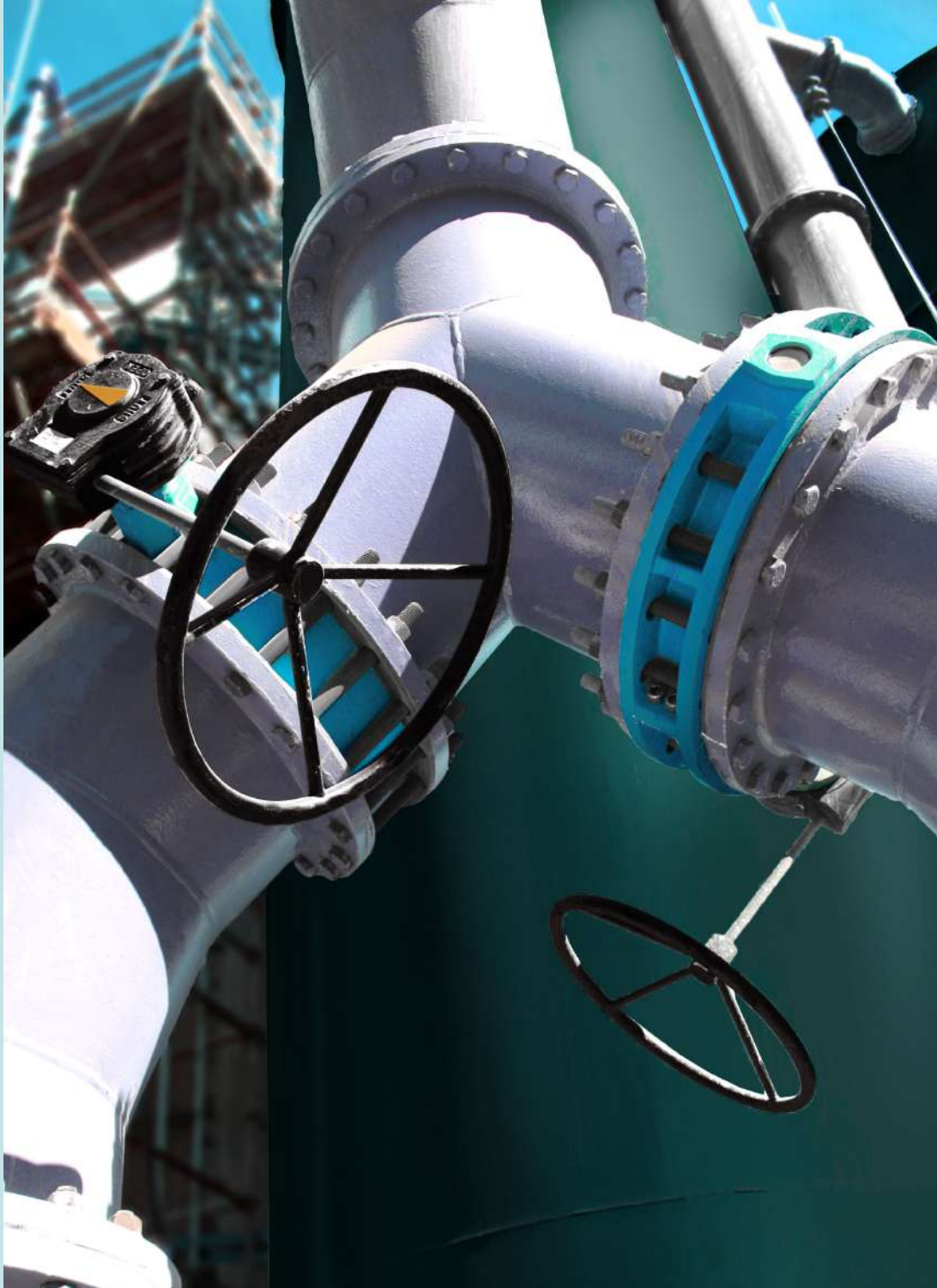


Accessories

A large range of accessories is available to complete the system.

Reliability in the most aggressive chemical processes

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With InterApp butterfly valves
Bianca





Sulfuric Acid Plants all over the world rely on InterApp's highly corrosion butterfly valves to ensure maximum plant availability.

Sulphuric acid, an important commodity chemical, is one of the strongest acids. Independent from the production method such as contact process, wet sulfuric acid process, lead chamber process or some other methods, a performing production process is highly dependent on the components installed.

Sulfuric acid plants require extremely corrosion resistant and reliable valves to fulfil the customer needs. InterApp's knowledge, gained in various processes in the chemical sector over many years of successful installations, assures that the installed valves perfectly suit the particular requirements. In

addition, valves and spare parts are readily available.

InterApp's product range for sulfuric acid plants comprises concentric, eccentric, double eccentric and triple eccentric butterfly valves, damper valves, check valves, ball valves, actuators and accessories. In particular, the PTFE-lined Bianca butterfly valves with ductile iron body and Epoxy coating as well as PFA-lined disc and Viton backliner have proven themselves both in gas cleaning and gas drying sections below 100°C and 10 bar and strong acid generation of 95% – 98% H₂SO₄.

Butterfly valves from InterApp have convinced in several sulfuric acid plants around the world like e.g. in South Africa, Namibia and Australia.



Globally local.



10

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.

We are there for you.
Anywhere, anytime.

Facts & Figures

- / 1969 founded in Switzerland
- / 3 manufacturing sites in Switzerland, Spain and China
- / Over 20 sales and distribution companies and export sales partners
- / A dedicated member of the AVK Group since 2010



- *InterApp Subsidiaries*
- *AVK Industrial Companies*
- *Export Sales Partners*

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