

Acid resistant valve solutions

Chemical Plants –
Experience in demanding industrial processes





Highly reliable valves for maximum plant availability

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



Expect more

1 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 (232 psi)
Flange connection	PN10, PN16, ANSI cl. 150, AS 2129 tab. D and E, JIS B2220
Temperature range	–20°C to 200°C (-4°F to 392°F)
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.

Body construction	Wafer, Lug
Nominal diameter	DN 25 – 600 (2" – 24")
Max. working pressure	Up to 20 bar (290 psi)
Flange connection	PN6, PN10, PN16, ANSI cl. 150, JIS, AS, AWWA, etc.
Temperature range	-20°C to 200°C (-4°F to 392°F)
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, Fluicast® FX
Special executions	Executions for explosive atmospheres

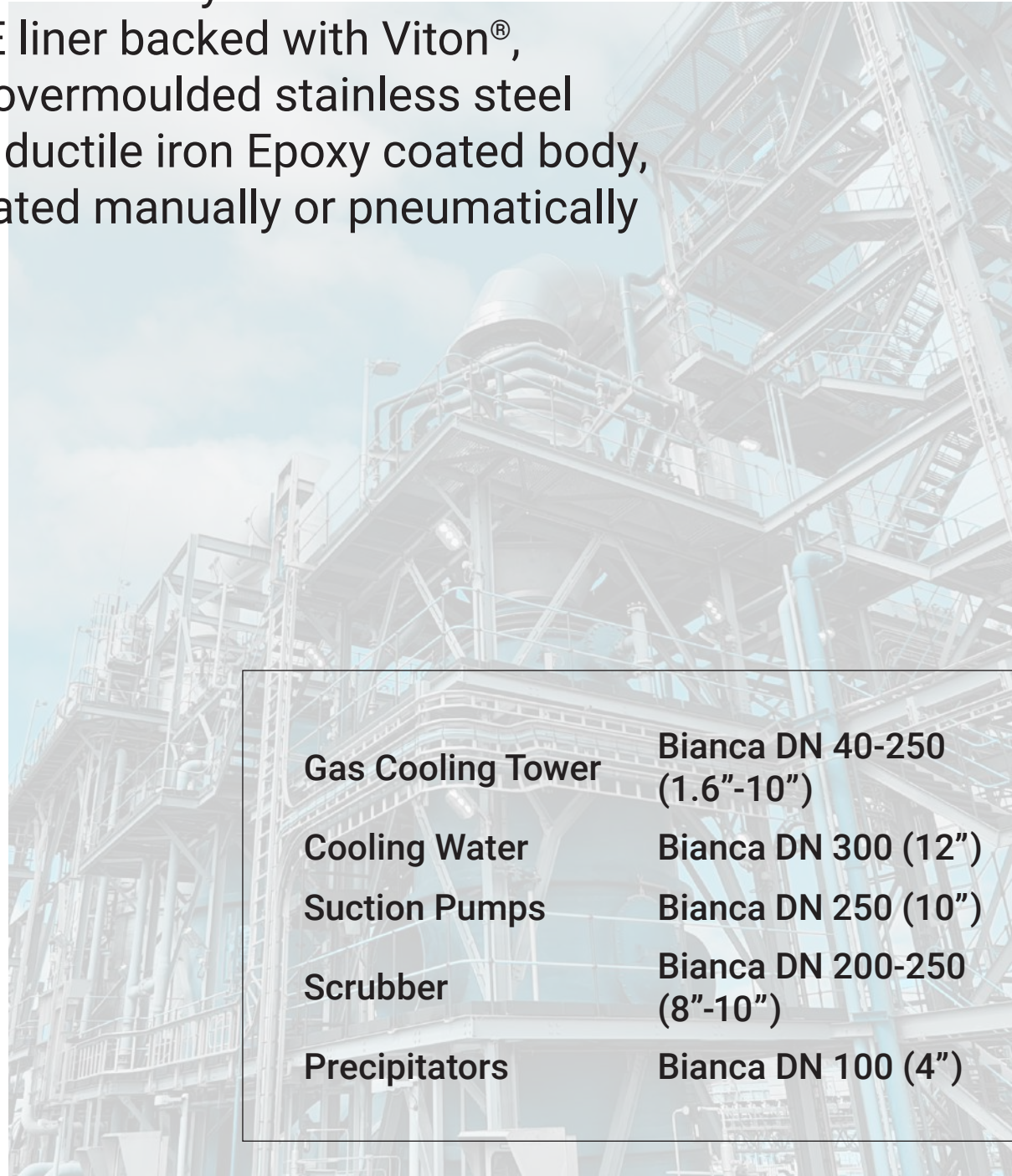
2 Availability
A high availability of semi-finished components and a flexible production enable short delivery times both for valves and spare parts.

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

4 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.

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 (1.6"-10")
Cooling Water	Bianca DN 300 (12")
Suction Pumps	Bianca DN 250 (10")
Scrubber	Bianca DN 200-250 (8"-10")
Precipitators	Bianca DN 100 (4")

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.



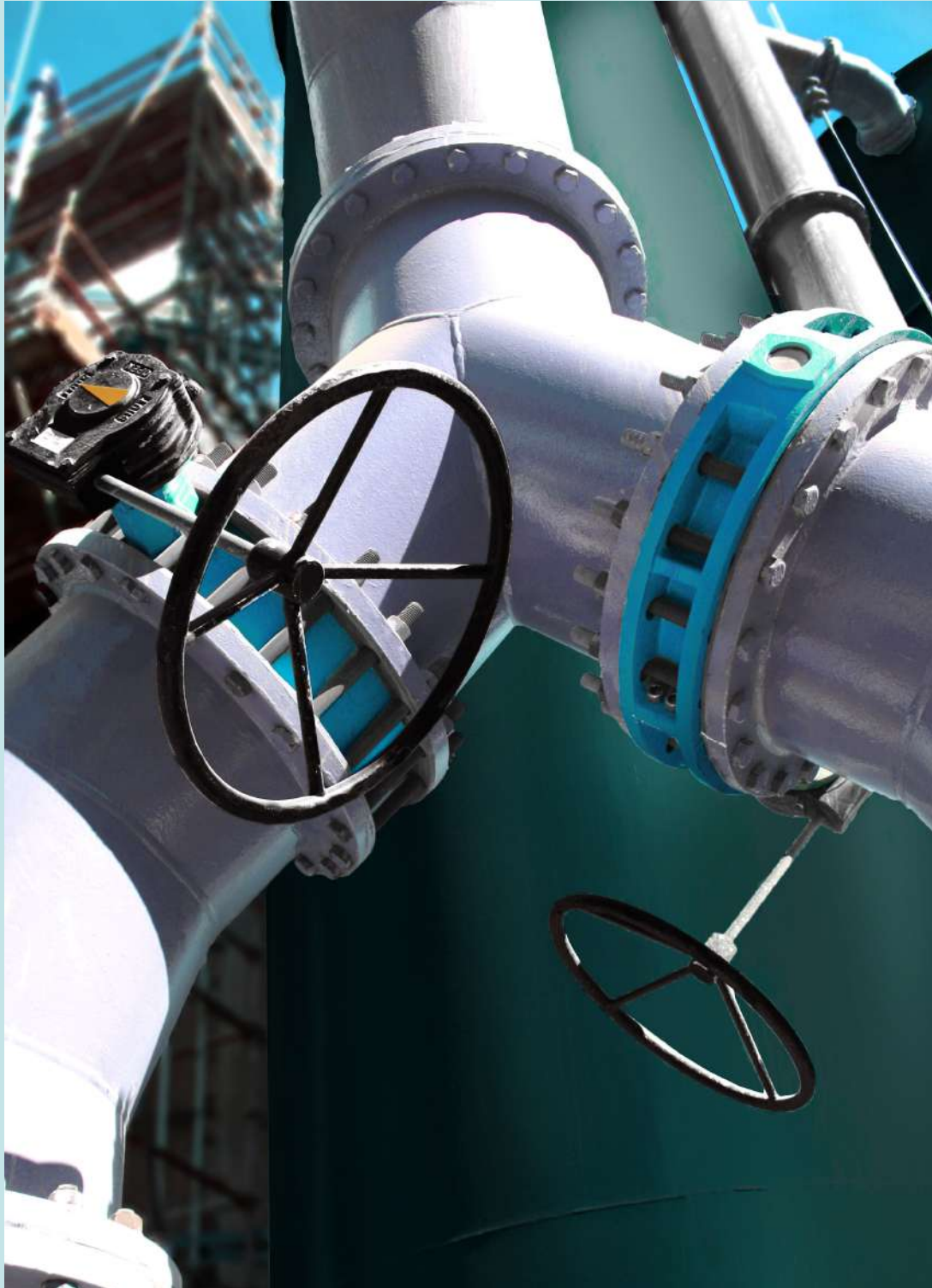
Neptunia
Dual plate check valve, DN 50-600
Stainless steel, Duplex and Super Duplex.



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

Reliability in the most aggressive chemical processes

—
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 (212°F) and 10 bar (145 psi) 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.



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

InterApp AG reserves the right to change or remove products or services from its range at any time and without prior notification or obligation. InterApp AG does not assume any liability for consequences resulting from the use of this document. There is no guarantee that the information provided here is complete, accurate or up to date.

© 2021 InterApp AG. All rights reserved.

The duplication of this document or a part thereof is only permitted with prior written consent from the owner of the copyrighted material.

info@ch.interapp.net
www.interapp.net

