

Valves for the pharmaceutical industry

Pharmaceutical production -
Maximum plant availability



Uncompromising quality



Bianca PTFE-lined butterfly valve

Centric butterfly valve specially cleaned, assembled and packed in double sealed bags in our clean room US federal standard 209E class 10.000 and ISO class 7.

Body construction	Lug, Wafer, U-Section
Nominal diameter	DN 32 – 900 (1 ¼" – 36")
Working pressure range	From 20 mbarA up to 16 bar
Flange connection	PN10, PN16, ANSI cl. 150, JIS 10K
Temperature range	-20°C to 200°C
Body material	Ductile iron, Stainless steel
Disc-shaft material (one piece)	Stainless steel, Stainless steel polished, PFA overmoulded
Liner material	PTFE, Ultraflon™* with MVQ or FPM elastomeric energiser

**All disc overmoulding and liner materials used for the pharmaceutical industry have FDA and EC food grade approvals, except for the antistatic PFA on the Bianca discs.*

White PTFE and PFA used on the Bianca are compliant to USP class VI.

Desponia® and Desponia® plus Elastomer-lined butterfly valve

Centric butterfly valve with stainless steel disc or Halar coated disc. Grease-free execution, assembled and packed in our clean room.

Body construction	Wafer, Lug, U-Section
Nominal diameter	DN 25 – 1600 (1" – 64 ")
Working pressure range	From 200 mbarA up to 20 bar
Flange connection	PN6, PN10, PN16, ANSI cl. 150, JIS 5K, JIS 10K, JIS 16K
Temperature range	-20°C to 200°C
Body material	Ductile iron, Stainless steel
Disc material	Stainless steel, Stainless steel polished, Stainless steel coated with Halar, PEKK or Ultralene coating® (UHMWPE)
Liner material*	EPDM, NBR, FPM and others

**White liners are available with FDA and EC food grade.*

Expect more

1 Safety
To ensure absolute cleanliness in specific processes of the pharmaceutical industry, our valves can be assembled in our state-of-the-art clean rooms.

2 Availability
Readily available semi-finished components and a flexible production enable short delivery times both for valves and spare parts.

3 Product variety
Process-specific executions can be created thanks to a large range of body, liner and disc materials.

4 Ensured quality
Inspection and testing plans (ITP) as well as factory acceptance tests (FAT) can be made on request.

The right selection for your pharmaceutical production processes

Process	Media	Pressure range	Temperature range	Abrasion	Corrosion	Valve
Batch processing	API, excipients	1 bar	25-100°C	Moderate	Moderate	Bianca with SS polished disc and Ultraflon™ liner
	Solvents	1-2 bar	25-80°C	Low	High	Desponia® with SS disc and EPDM or FPM liner / Bianca with SS disc and PTFE liner
	Water	1-2 bar	25-80°C	Low	Low	Desponia® with SS disc and EPDM liner
	Air	Vacuum - 1 bar	40-300°C	Low	Low	Desponia® / Elara / ball valves depending on temperature and pipe sizes
Sterilisation processes	Saturated steam	1-3 bar	120-140°C	Low	Moderate	Elara with SS body and disc and RPTFE seat
	Hot air	1 bar	160-180°C	Low	Low	Desponia® plus with SS disc and MVQ liner / Ball valves for small pipe sizes
	Ethylene oxide	Vacuum - 1 bar	30-60°C	Low	Moderate	Bianca with SS disc and Ultraflon™ liner
	Hydrogen peroxide	1 bar	20-60°C	Low	Moderate	Bianca with SS disc and PTFE liner
Fermentation	Nutrient broth, yeast extract, molasses, corn steep liquor	1 bar	20-30°C	Low	Low	Desponia® with polished SS disc and white EPDM liner
Filtration	API, excipients, solvent	1-2 bar	25-100°C	Moderate	Moderate	Bianca with SS polished disc and Ultraflon™ liner
	Water	1 bar	25-30°C	Low	Low	Desponia® with SS disc and EPDM liner
Washing and drying	Water, detergent solutions	1-3 bar	25-80°C	Low	Low to moderate	Desponia® with SS disc and EPDM liner
	Air	1-3 bar	25-80°C	Low	Low	Desponia® with SS disc and EPDM liner / Ball valves for small pipe sizes
Heat exchanging	Water	1-10 bar	25-100°C	Low	Low	Desponia® with SS disc and EPDM liner
	Steam	1-20 bar	100-200°C	Low	Moderate	Desponia® with SS disc and ET or FX liner / Elara with SS body and disc and RPTFE seat
	Cooling fluids	1-10 bar	0-15°C	Low	Low	Desponia® with SS disc and EPDM liner
Reacting	Reactants (raw materials, APIs, solvents, etc.)	1-100 bar	25-300°C	Low to high	Low to high	Bianca with polished SS disc and Ultraflon™ liner; optionally antistatic version (ATEX) / Elara with SS body and disc and RPTFE or metal seat / PFA lined ball valves
	Gases (inert, air, oxygen, etc.)	1-10 bar	25-50°C	Low	Low	Desponia® or Bianca depending on the gas
Solvent recovery	Solvents (ethanol, methanol, acetone, etc.)	1-2 bar	25-100°C	Low	Low	Bianca with SS or PFA disc and PTFE liner
	Steam	1-10 bar	100-300°C	Low	Moderate	Desponia® with SS disc and EPDM liner
	Water	1-3 bar	25-100°C	Low	Low	Desponia® with SS disc and ET or FX liner / Elara with SS body and disc and RPTFE or metal seat
Cleaning-in-place	Water, flushed water	1-3 bar	25-80°C	Low	Low	Desponia® with SS disc and EPDM liner
	Cleaning agents (caustic, acid)	1-3 bar	50-80°C	Low	High	Bianca with PFA disc and PTFE liner
Sterilisation-in-place	Saturated steam	1-3 bar	120-140°C	Low	Moderate	Elara with SS body and disc and RPTFE seat
	Air	1-5 bar	25-100°C	Low	Low	Desponia® with SS disc and EPDM liner / Ball valves for small sizes
Material transfer	Water, aqueous solutions, solvent	1-5 bar	20-100°C	Low	Low to moderate	Desponia® with SS disc and EPDM liner
	Gases (air, nitrogen) with powder	1-5 bar	15-30°C	Moderate	Low	Desponia® with mirror polished SS disc and EPDM liner or Ultralene coating™ disc and Fluicast liner / Bianca with mirror polished SS disc and Ultraflon™ liner
Waste management	Gaseous and chemical waste	1-5 bar	20-150°C	Low	Medium to high	Desponia® or Bianca with different materials depending off the effective media / Damper valves
	Liquid waste, wastewater	1-3 bar	20-95°C	Medium	Medium to high	Desponia® with SS disc and EPDM liner or Halar® disc and FPM liner
	Solid waste	1 bar	25°C	High	Medium	Desponia® with Ultralene™ disc and Fluicast liner

Other products



Double eccentric butterfly valve Elara

With carbon steel or stainless steel body, designed for heavy duty applications up to 50 bar.



Pharma stainless steel ball valves

2- way valves in stainless steel, available with 2- or 3-piece body.



Check valves

Stainless steel check valves, Duo check and Disco, available in various executions.



Actuators and accessories

Actuators and a large range of accessories are available to complete the system.

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.

© 2024 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