

Valve solutions for the paper industry

Pulp and paper –
Expertise in demanding industries



Full scale valve solutions



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Expect more

1 High resistance

Abrasion and corrosion resistant valves ensure long service life and minimal maintenance.

2 Availability

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

Bianca PTFE-lined butterfly valve

Centric butterfly valve with PFA over-moulded disc. Especially suitable for handling corrosive media in paper manufacturing processes.

Body construction	Lug, Wafer, U-Section
Nominal diameter	DN 32 – 900 (1 ¼" – 36")
Max. working pressure	Up to 16 bar (232 psi)
Flange connection	PN10, PN16, ANSI cl. 150, JIS 10K
Temperature range	-20°C to 200°C (-4°F to 392°F)
Body material	Ductile iron, Stainless steel
Disc-shaft material (one piece)	PFA overmoulded
Liner material	PTFE

Desponia® Elastomer-lined butterfly valve

Centric butterfly valve with stainless steel disc and abrasive resistant liners. Specifically designed for effective fluid control in various paper manufacturing processes.

Body construction	Wafer, Lug, U-Section
Nominal diameter	DN 25 – 1600 (1" – 64")
Max. working pressure	Up to 16 bar (232 psi)
Flange connection	PN6, PN10, PN16, ANSI cl. 150, JIS 5K, JIS 10K, JIS 16K
Temperature range	-20°C to 200°C (-4°F to 392°F)
Body material	Ductile iron, Stainless steel
Disc material	Stainless steel
Liner material	EPDM, NBR, FPM and others

3 Technical support

Our experienced staff is happy to assist you with its in depth application and product know-how to find the best process-specific solution.

4 Easy installation

Compact design and lightweight construction simplify installation and reduce labor costs.

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The right selection for your pulp and paper processes

Stages	Media	Pressure range	Temperature range	Abrasion	Corrosion	Valve
Feed preparation						
	Water, air	14 - 43 psi	59 - 86 °F	Low	Low to moderate	Desponia®
From recycle	Chemicals (surfactants, dispersants, agents)	43 - 72 psi	59 - 140 °F	Low	Moderate to high	Desponia®, Bianca
	Recycled pulp slurry	43 - 72 psi	59 - 140 °F	Moderate	Moderate	Desponia®
From wood	Wood logs, water, and bark	14 - 43 psi	59 - 86 °F	High	Low	Desponia®
Pulping						
Mechanical	Wood chips, water	43 - 72 psi	176 - 266 °F	High	Low	Desponia®, Knife gate valve
Chemical (Kraft)	Wood chips, water, sodium hydroxide (NaOH), and sodium sulphite (Na ₂ S)	101-145 psi	320 - 338 °F	Moderate	High	Bianca, PFA-lined ball valves, Knife gate valve
Chemical (Sulphite)	Wood chips, water, sulphurous acid (H ₂ SO ₃), and calcium, magnesium, sodium, or ammonium	87-145 psi	266 - 320 °F	Moderate	High	Bianca, PFA-lined ball valves, Knife gate valve
Semi-Chemical	Wood chips, water, mild chemicals (such as sodium hydroxide, sodium sulphite, or sulphurous acid)	87-145 psi	266 - 320 °F	Moderate	Moderate	Bianca, PFA-lined ball valves, Knife gate valve
Bleaching						
	Pulp slurry, water, bleaching chemicals (chlorine, hydrogen peroxide, oxygen, or ozone)	43 - 72 psi	140 - 194 °F	Low to moderate	Moderate to high	Desponia®, Bianca
Stock preparation						
	Pulp slurry, water, additives (fillers, sizing agents, dyes, etc.)	43 - 72 psi	86 - 140 °F	Low to moderate	Low to moderate	Desponia®
Papermaking						
	Pulp slurry, water	14 - 43 psi	86 - 158 °F	Low	Low	Desponia®
	Steam, air	14 - 43 psi	212 - 266 °F	Low	Low	Desponia®, Elara
Finishing						
	Water and various coating materials	43 - 72 psi	122 - 194 °F	Low to moderate	Low to moderate	Desponia®
Converting						
	Air	14 - 29 psi	59 - 86 °F	Low	Low	Desponia®
HVAC						
	Air, water	14 - 29 psi	59 - 86 °F	Low	Low	Desponia®, Aquaria plus

Usually, Desponia® is with stainless steel disc and EPDM liner and Bianca is with PFA overmoulded disc and PTFE liner.

Other products



Knife gate valves

Uni-directional and bi-directional knife gate valves, available in various executions.



Stainless steel ball valves

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



Check valves

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



Actuators and accessories

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

We are there for you. Anywhere, anytime.



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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.

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

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-  InterApp Subsidiaries
-  AVK Industrial Companies
-  Export Sales Partners

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