

Durable valves for steel production

Steel production –
Expertise in demanding environments



The right selection for your steel production processes

Stages	Media	Temperature range	Pressure range	Corrosion	Abrasion	Valve
Ironmaking	Air (Blast)	1200°C	3-5 bar	Low	Low	Special Damper valves
	Furnace Gases	150-250°C	1 bar	High	Moderate	Damper valve (Saturnia up to 0.5 bar) or Desponia® with SS disc and FPM liner
	Water	20-50°C	2-6 bar	Low	Low	Desponia® with SS disc and EPDM liner
Steelmaking	Off-gases (CO, CO ₂ , etc.)	100-500°C	1-3 bar	Moderate	Moderate	Damper valve
	Water	20-70°C	3-10 bar	Low	Low	Desponia® with SS disc and EPDM liner
Primary forming	Water (Coolants)	20-25°C	3-10 bar	Low	Low	Desponia® with SS disc and EPDM/NBR liner
	Heated water (Coolants)	40-80°C	3-10 bar	Moderate	Moderate	Desponia® with SS disc and EPDM/NBR liner
Secondary forming	Cooling water	20-70°C	3-10 bar	Moderate	Moderate	Desponia® with SS disc and EPDM/NBR liner
	Lubricants	Ambient	2-6 bar	Low	Low	Desponia® with SS/Ductile iron disc and NBR/ FPM liner
Pickling	Acid	20-60°C	1-5 bar	High	Moderate	Bianca with PFA-overmoulded disc and PTFE-lined
	Bases	Ambient	1-5 bar	High	Moderate	Bianca with PFA-overmoulded disc and PTFE-lined or Desponia® with SS disc and EPDM liner
	Rinse water	Ambient	2-6 bar	Low to moderate	Low	Bianca with PFA-overmoulded disc and PTFE-lined or Desponia® with Halar coated disc and EPDM liner
	Water	Ambient	2-6 bar	Low	Low	Desponia® with SS disc and EPDM liner
Coating	Cleaning agent	80°C	Ambient	Low	Low	Desponia® LF with SS disc and EPDM liner
	Various paints or polymers	Ambient	2-8 bar	Moderate	Low	Desponia® LF with SS disc and EPDM liner
Acid regeneration	Spent acid	40-60°C	Ambient	High	Moderate	Bianca with PFA-overmoulded disc and PTFE-lined
	Crystallised Salts	60-80°C	Ambient	Moderate	High	Desponia® with Ultralene coating™ disc and FT/FX liner
	Purified Acid	Ambient	Ambient	High	Low	Bianca with PFA-overmoulded disc and PTFE-lined
Water treatment plant	Wastewater	30-70°C	2-6 bar	Moderate	High	Desponia® with SS disc and EPDM liner
	Treated water	20-35°C	2-5 bar	Low	Low	Desponia® with SS disc and EPDM liner
	Chemicals	Ambient	1-5 bar	High	Low	Bianca with PFA-overmoulded disc and PTFE-lined
Gas cleaning systems	Gases (CO, CO ₂ , etc.)	100-500°C	1-3 bar	Moderate	Moderate	Damper valve
	Cleaning solutions (scrubbing liquids)	30-60°C	1-5 bar	Moderate	Low	Desponia® with Halar coated, Hastelloy, Super duplex or Super austenitic steel disc and EPDM/FPM liner

Desponia® and Desponia® plus Elastomer-lined butterfly valve



Body construction	Wafer, Lug, U-Section
Nominal diameter	DN 25–1600 (1"–64")
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, Stainless steel
Disc material	Stainless steel, Halar coated, Hastelloy, Super duplex, Super austenitic steel
Liner material	EPDM, NBR, FPM
Special executions	LABS-free execution

Bianca PTFE-lined butterfly valve



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, Stainless steel
Disc-shaft material (one piece)	PFA overmoulded
Liner material	PTFE, Ultraflon®

Other products



Saturnia

Damper valve to regulate the flow of fumes and air up to 600°C.



Check valves

Check valves, Swing and Disco, available in various executions.



Ball valves

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



Actuators and accessories

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

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.

