

Valves for sugar production

Sugar production -
Maximum plant availability



The right selection for your sugar production processes

Stages	Media	Pressure range	Temperature range	Abrasion	Corrosion	Valve
Preparation	Water, wastewater	14-87 psi	77-122°F	Moderate	Low	Desponia® with 4C0 disc and E liner
Extraction	Water	14-29 psi	158-176°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
	Sugar-rich juice	14-29 psi	158-176°F	Low	Moderate	Desponia® with 4C0 disc and E or EC liner
Clarification	Sugar-rich juice	14-29 psi	212-221°F	Low	Moderate	Desponia® with 4C0 disc and EC liner
	Lime milk	14-29 psi	212-221°F	Low	High	Desponia® with 4C0 disc and FT liner
	Sulfite solution	14-29 psi	158-176°F	Low	High	Desponia® with 4C0 disc and EC liner
Evaporation	Clarified juice	8702 psi	140-158°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
	Steam	145-290 psi	248-392°F	Low	Moderate	Desponia® with 4C0 disc and EC or ET liner, Elara with 4C0 disc and TG or IN liner seat
	Evaporated water	8702 psi	140-158°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
Crystallization	Syrup	14 psi	140-158°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
	Steam	145-290 psi	248-392°F	Low	Moderate	Desponia® with 4C0 disc and EC or ET liner, Elara with 4C0 disc and TG or IN liner seat
	Water	14-29 psi	68-77°F	Low	Low	Desponia® with 4C0 disc and E liner
	Sugar crystals	594 psi	104-158°F	Moderate	Low	Desponia® with 4C0 disc and FT or FW liner
Drying	Sugar crystals	14 psi	104-158°F	Moderate	Low	Desponia® with 4C0 disc and FT or FW liner
	Hot air	14-29 psi	122-194°F	Low	Moderate	Desponia® with 4C0 disc and E or EC liner
Refining	Raw sugar	14 psi	Ambient	Moderate	Low	Desponia® with 4C0 disc and FT or FW liner
	Hot water	14-29 psi	158-176°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
	Phosphoric acid, calcium hydroxide, carbon dioxide	14 psi	Ambient	Low	Moderate	Desponia® with 4C0 disc and E liner
Packaging	Raw sugar, white sugar	14 psi	Ambient	Moderate	Low	Desponia® with 4C0 disc and FW liner

Desponia®

Elastomer-lined butterfly valve



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, AS, AWWA, etc.
Temperature range	-20°C to 200°C (-4°F to 392°F)
Body material	Ductile iron
Disc material	Stainless steel, PEKK coating
Liner material	EPDM, NBR, FPM
Special executions	Execution for explosive atmospheres

Elara

Double eccentric butterfly valve



Body construction	Wafer, Lug
Nominal diameter	DN 50–600 (2"–24")
Max. working pressure	Up to 50 bar (725 psi)
Flange connection	PN10, PN16, PN25, PN40, PN50, ANSI: CI 150, CI 300
Temperature range	-50°C to 400°C (-58°F to 752°F)
Body material	Carbon steel, stainless steel
Disc material	Stainless steel
Seat material	MPTFE, Metal, Fire safe
Special executions	Grease free, ATEX certified according to directive ATEX 2014/34/EU, Fugitive emission according to ISO 15848-1, DIN3780, MSS-SP-143

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Other products



Knife gate valves

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



PTFE-lined butterfly valve Bianca

DN 32 – 900, Wafer, Lug or U-section, stainless steel or ductile iron body, 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.

