Valves for sugar production

Sugar production –
Maximum plant availability

InterApp

The right selection
for your sugar production processes

Stages	Media	Pressure range	Temperature range	Abrasion	Corrosion	Valve
Preparation						
	Water, wastewater	1-6 bar	77-122°F	Moderate	Low	Desponia® with 4C0 disc and E liner
Extraction						
	Water	1-2 bar	158-176°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
	Sugar-rich juice	1-2 bar	158-176°F	Low	Moderate	Desponia® with 4C0 disc and E or EC liner
Clarification						
	Sugar-rich juice	1-2 bar	212-221°F	Low	Moderate	Desponia® with 4C0 disc and EC liner
	Lime milk	1-2 bar	212-221°F	Low	High	Desponia® with 4C0 disc and FT liner
	Sulfite solution	1-2 bar	158-176°F	Low	High	Desponia® with 4C0 disc and EC liner
Evaporation						
	Clarified juice	600 mbarA	140-158°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
	Steam	10-20 bar	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	600 mbarA	140-158°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
Crystallization						
	Syrup	1 bar	140-158°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
	Steam	10-20 bar	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	1-2 bar	68-77°F	Low	Low	Desponia® with 4C0 disc and E liner
	Sugar crystals	1 bar	104-158°F	Moderate	Low	Desponia® with 4C0 disc and FT or NF liner
Drying						
	Sugar crystals	1 bar	104-158°F	Moderate	Low	Desponia® with 4C0 disc and FT or NF liner
	Hot air	1-2 bar	122-194°F	Low	Moderate	Desponia® with 4C0 disc and E or EC liner
Refining						
	Raw sugar	1 bar	Ambient	Moderate	Low	Desponia® with 4C0 disc and FT or NF liner
	Hot water	1-2 bar	158-176°F	Low	Low	Desponia® with 4C0 disc and E or EC liner
	Phosphoric acid, calcium hydroxide, carbon dioxide	1 bar	Ambient	Low	Moderate	Desponia® with 4C0 disc and E liner
Packaging						
	Raw sugar, white sugar	1 bar	Ambient	Moderate	Low	Desponia® with 4C0 disc and NF 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
Flange connection	PN6, PN10, PN16, ANSI cl. 150, JIS, AS, AWWA, etc.
Temperature range	-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
Flange connection	PN10, PN16, PN25, PN40, ANSI: Cl 150, Cl 300
Temperature range	-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

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. With our global expertise in industrial applications, we understand your requirements and offer expert advice at every stage of your project. At the same time, you can benefit from our international product standards thanks to our global know-how. Our highly skilled technical team, coupled with the quality and durability of our products, makes us a reliable partner for industrial valve solutions.

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