

Efficient valve solutions for marine applications

Marine –
Expertise in demanding environments



Always reliable



Expect more

1 Reliability
Our butterfly valves convince with their superior technical features. They guarantee a trouble-free operation and high lifetime.

2 Availability
Flexible production sites in Switzerland, Spain and China enable short delivery times, even for large sizes.

Bianca PTFE-lined butterfly valve

Centric butterfly valve for handling chemicals and corrosive media in ballast water treatment systems, exhaust gas cleaning systems, wastewater treatment, etc.

Body construction	Lug, Wafer, U-Section
Nominal diameter	DN 32 – 900 (1 ¼" – 36")
Max. working pressure	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, Duplex, Hastelloy, PFA and PFA antistatic overmoulded
Liner material	PTFE, PTFE antistatic, Ultraflon®

Desponia® Elastomer-lined butterfly valve

Centric butterfly valve for demanding ship operations, including ballast, bilge, freshwater systems, and cargo handling.

Body construction	Wafer, Lug, U-Section
Nominal diameter	DN 25 – 1600 (1" – 64 ")
Max. working pressure	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, Super Austenitic steel, Aluminium Bronze, Super Duplex, Halar® coated, Ultralene Coating™
Liner material	EPDM, NBR G, FPM and others

3 Product variety
Resistant bodies, robust liners and discs are available in different materials in order to create the best solution for your application.

4 Certified products
Our products are DNV, RINA and BV approved. 2.2, 3.1 or 3.2 material certificates can be provided upon request.

The right selection for your ship operation system

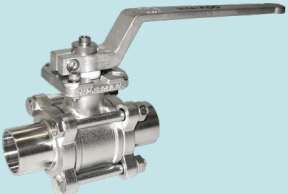
Process	Media	Pressure range	Temperature range	Abrasion	Corrosion	Valve
Ballast system						
	Seawater	2-4 bar	Ambient	Low	High	Desponia® with Alu-bz disc and NBR G liner
Ballast water treatment systems (BWTS)						
	Seawater	2-4 bar	Ambient	Low	High	Desponia® with Alu-bz disc and NBR G liner
	Chemicals	1-3 bar	Ambient	Low	High	Bianca with PFA disc and PTFE liner
	Treated water	2-4 bar	Ambient	Low	Moderate	Desponia® with Alu-bz disc and EPDM liner
Bilge system						
	Bilge water	1-3 bar	Ambient	Moderate	High	Desponia® with Alu-bz disc and NBR G liner
Exhaust gas cleaning system (Scrubbers)						
	Exhaust gases	Ambient	200-400°C	Low	High	Saturnia with SS body, disc and seat
	Scrubbing liquid	2-5 bar	2-35°C	Low	High	Bianca with PFA disc and PTFE liner
	Wash water	2-5 bar	40-60°C	Low	High	Desponia® with Halar® disc and EPDM liner
Inert gas system						
	Inert gas (Flue gas or Nitrogen)	< 1 bar	5-80°C	Low	Low	Saturnia with SS body, disc and seat
Compressed air system						
	Compressed air	6-12 bar	Ambient	Low	Low	Desponia® with SS disc and NBR G liner
Fuel and oil handling system						
	Heavy fuel oil (HFO)	5-16 bar	80-120°C	Low	Low	Desponia® with SS disc and standard FPM or FPM VD liner
	Marine Diesel/Gas oil	5-16 bar	Ambient	Low	Low	Desponia® with SS disc and NBR G liner
	Lubricating oil	4-6 bar	40-60°C	Low	Low	Desponia® with SS disc and NBR G liner
	Hydraulic oil	70-300 bar	30-80°C	Low	Low	Ball valves
Cooling water system						
	Seawater	2-6 bar	2-60°C	Low	High	Desponia® with Alu-bz disc and NBR G liner
	Clean water	2-6 bar	70-90°C	Low	Low	Desponia® with Alu-bz disc and EPDM liner
HVAC system						
	Air	1-3 bar	15-30°C	Low	Low	Desponia® with SS disc and NBR G liner
	Chilled water	2-4 bar	4-7°C	Low	Low	Desponia® with SS disc and EPDM liner
	Hot water or steam	1-10 bar	60-80°C	Low	Moderate	Desponia® with SS disc and EPDM HT liner
Freshwater systems						
	Seawater	2-4 bar	Ambient	Low	High	Desponia® with Alu-bz disc and NBR G liner
	Freshwater	2-4 bar	30-50°C	Low	Low	Desponia® with Alu-bz disc and EPDM liner
	Brine (concentrate)	2-4 bar	Ambient	Low	High	Desponia® with Halar® disc and EPDM liner
Fire protection system						
	Seawater	5-14 bar	Ambient	Low	High	Desponia® with Alu-bz disc and NBR G liner
	Chemicals/foams	3-12 bar	Ambient	Low	High	Bianca with PFA disc and PTFE liner
	Gaseous agents	25-60 bar	Ambient	Low	Low	Ball valves
	Dry chemical powders	10-14 bar	Ambient	Moderate	Low	Desponia® with Ultralene Coating™ disc and Flucast FP liner
Wastewater treatment						
	Greywater	1-3 bar	Ambient	Low	Moderate	Desponia® with Halar® disc and EPDM liner
	Chemicals	1 bar	Ambient	Low	High	Bianca with PFA disc and PTFE liner
	Treated effluent	1-3 bar	Ambient	Low	Low	Desponia® with SS disc and EPDM liner
Dredging operation						
	Slurry	6-20 bar	Ambient	High	High	Knife gate valves, Desponia® with Alu-bz disc and FN liner
	Seawater for jetting	10-15 bar	Ambient	Moderate	High	Desponia® with Alu-bz disc and FN liner
	Overflow water	Ambient	Ambient	Low	High	Desponia® with Alu-bz disc and FN liner
Cargo handling						
	Crude oil	2-10 bar	10-50°C	Low	Moderate	Desponia® with SS disc and NBR G liner
	Liquefied natural gas	Ambient	-162°C	Low	Low	Elara (cryogenic version) with SS body, disc and seat
	Liquefied petroleum gas	5-20 bar	-40-40°C	Low	Moderate	Elara with SS body and disc and MPTFE seat
	Chemicals	2-8 bar	10-60°C	Low	High	Bianca with PFA disc and PTFE liner

Other products



Double eccentric butterfly valve Elara

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



Stainless steel ball valves

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



Check valves

Dual, swing and disco check valves, available in various executions.



Actuators and accessories

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

Reliable valve solutions for exhaust gas cleaning systems and its connection to the ballast systems

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With InterApp butterfly valves
Desponia® and Bianca



High quality solutions and first-class logistics are essential to meet the tight projects schedules in the marine business.

InterApp has been active in the marine market for many years where its butterfly valves and actuators are installed in various places. Due to the new regulations which aim to reduce the Sulphur oxides emissions of ships, installations of marine scrubber systems to cleanse the exhaust gases of SO_x are continuously increasing.

In order to meet the tight project schedules, scrubber manufacturers, installers and retrofit companies, as well as shipyards depend on reliable partners. InterApp has proven itself to be a competent and reliable valve supplier for marine applications by providing on time the necessary products to the various destinations.

For each project and in close cooperation with the customers, the engineers at InterApp design a complete package, using the appropriate materials and types of valves. Marine approved, safe and reliable valves, a

quick availability of valves and spare parts as well as a first-class logistics guarantee to realise the most efficient system solution in the requested quality and time.

InterApp's product range for exhaust gas cleaning systems and ballast systems includes rubber lined butterfly valves, PTFE-lined butterfly valves, check valves, ball valves, actuators and accessories.

Whether for retrofit or newbuilding, with the supply of projects worldwide, InterApp and its partners make a significant contribution to reduce emissions and protect the environment.



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InterApp AG

Grundstrasse 24
6343 Rotkreuz
Switzerland

info@ch.interapp.net
interapp.net

