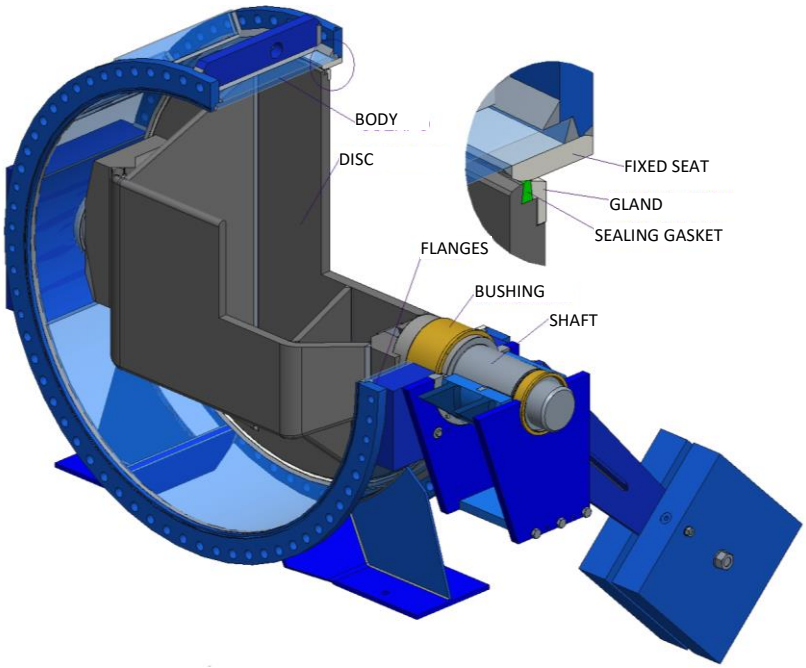
TECHNICAL DATA SHEET – BUTTERFLY VALVE

FEATURES
Welded steel body with drilled flanges
Double-offset disc (rubber–stainless steel sealing)
Double shaft sealing
Open/closed position detector
Servomotor according to IMSHydro standard

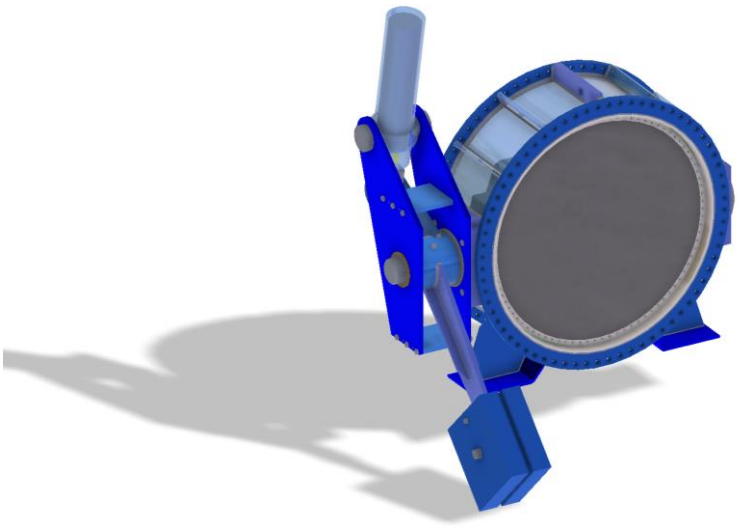
OPTIONS
Upstream maintenance seal, manually operated (rubber–stainless steel sealing)
Flat double-offset disc (higher head loss)
Upstream and downstream pipe connection sleeves (rigid or sliding disassembly)
Mechanical interlock of the lever in open and closed positions
Sliding base



COMPONENTS	
DENOMINATION	**MATERIAL (x)**
BODY	S355 J2 + N
DISC	S355 J2 + N
FLANGES	S355 J2 + N
FIXED SEAT	AISI 304L
GLAND	AISI 304L
SHAFT	AISI 431
BUSHING	SELF-LUBRICATED
SEALS / GASKET	NBR / EPDM
OTHER GASKETS	POLYURETHANE / NBR
(x) Other materials available on request	

AUXILIARY SYSTEMS
Balanced Pressure System
Oil Hydraulic Power Unit
Bypass System
Local Control Panel

ACTUATION: OPENING UNDER LOAD OR BALANCED / CLOSING BY FLOW INTERRUPTION
Servomotor for opening and counterweight for closing
Double-acting oil hydraulic servomotor
Double-acting water hydraulic servomotor
Electromechanical actuator



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VALVE CHECKING	
DENOMINATION	**MATERIAL INSPECTION**
BODY	CT / TT / VI / UT / PT
DISC	CT / TT / VI / UT / PT
FLANGES	CT / TT / VI / UT
FIXED SEAT	CT / TT
SEAL RING	CT / TT
SHAFT	CT / TT / VI
BUSHING	CT / TT / VI

UT: Ultrasonic Test / **CT:** Chemical Test / **TT:** Tensile Test / **IT:** Impact Test / **PT:** Penetrant Test / **VI:** Visual Inspection

All tests according to EN 10204-3.1 certification

TESTS			
FINAL TESTS	**PRESSURE**	**DURATION**	**VALIDATION**
BODY PRESSURE TEST	PN x 1,5 Acording to EN 12266	30 min.	1 upstream flat end and closed disc (EN 12266)
LEAK TEST	PN x 1,1 Acording to EN 12266	30 min.	1 upstream flat end and closed disc (EN 12266)
CYLINDER PRESSURE TEST	PN X 1,5	30 min.	Maintain stable pressure during 30 minutes with obturator opened / closed.
PERFORMANCE TEST	Mín./Máx. pressure		Opening (with oil pressure) and closing by counterweight
DIMENSIONAL VERIFICATION	IMS Standard		According to drawing and inspection protocol
PAINTING VERIFICATION	IMS Standard		Leak and adhesion verification (on request)

US: Upstream / DS: Downstream

COATING			
PRE-PREPARATION SURFACES ACCORDING TO ISO	**PROCEDURE**	**COATS**	**COLOR**
WATER CONTACT	Polyamide primer –fiberglass reinforced polyamide top coat	30 µm + 250 µm	BLACK RAL - 9005
AIR CONTACT	Polyamide primer –polyurethane top coat	30 µm + 70 µm	BLUE RAL – 5015
OIL CONTACT	Polyamide primer – polyamide top coat	30 µm + 30 µm	WHITE
MACHINED SURFACES	Temporary protection	20 µm	TECTYL-506

SIZE AND PRESSURE RANGE	
ND 200 – ND 5000	**NP 2 – NP 40**
OTHER SIZES AND PRESSURES ON REQUEST	
DESIGN ADAPTED TO ANY ND AND NP VALUE	

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