



**TYPE APPROVAL CERTIFICATE**  
No. **MAC017821XG/002**

**This is to certify** that the product identified below is in compliance with the regulations herewith specified.

<i>Description</i>	<b>BUTTERFLY VALVES</b>
<i>Type</i>	<b>TILIS</b>
<i>Applicant</i>	<b>SOCLA SAS 365, RUE DU LIEUTENANT PUTIER 71530 VIREY-LE-GRAND FRANCE</b>
<i>Manufacturer</i>	<b>SOCLA SAS</b>
<i>Place of manufacture</i>	<b>ZONE D'ACTIVITE SAVOIE HEXAPOLE - RUE LOUIS ARMAND 73420 MERY FRANCE</b>
<i>Reference standards</i>	<b>Part C, Chapter 1, Section 10 of RINA Rules</b>

*Issued in* **Hamburg** on **January 23, 2021**. *This Certificate is valid until* **January 22, 2026**

  
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**RINA Services S.p.A.**  
**Giuseppe Russo**

This certificate consists of this page and 1 enclosure.

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TILIS

### Reference documents

Technical Specification OREG TI10/07.1999 and "uktilis" 17/04/2013.

Technical Specification SOCLA Butterfly Valve (Danfoss ref. file RINA 001 dated 30/08/2010 filed by RINA with No. PPVT-10836)

General Drawing No.42126N.

### Materials/Components

Piece	Material
Body :	Nodular cast iron or Stainless steel or Steel according to the following standards: JS1030 (EN 1563), 1.4408 (EN 10088), ASTM A-216 gr WCB (ASTM A-216)
Disc:	Nodular cast iron or Stainless steel or Titanium Alloy or NiMoCrW Alloy or Monel according to the following standards: JS1030 (EN 1563), 1.4408 (EN 10088), 1.4404 (EN 10088), 1.4539 (EN 10088), 1.4571 (EN 10088), 1.4542 (EN 10088), ASTM B-265 gr 2 (ASTM B-265), C-276 (UNS N10276), MONEL400 (UNS N04400)
Liner :	PTFE coated EPDM or PTFE coated Silicone
Stem :	Stainless steel 1.4028 (EN 10088), 1.4404 (EN 10088)

Material combinations will be as per Manufacturer's Instructions.

### Technical characteristics

#### Type and dimension

Flangeless Wafer Lug and Tap Butterfly Valve in two parts

Size Range: DN 32 - 300 mm.

#### Working Pressure

Installation between flanges (Wafer lug)	
DN 32 to 150	10 bar
DN 200 to 300	6 bar
Installation in end of line (Tapped lug)	
DN 32 to 150	6 bar
DN 200 to 300	4 bar

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**TILIS**

**Working temperature:**

EPDM/PTFE	+5 °C to +110 °C
Silicone/PTFE	-25 °C to +180 °C

**Reference standard**

Construction according to EN 593.

**Fields of application**

- Ballast and bilge system
- Sea and fresh water system
- Domestic and Sanitary system
- Potable water system

**Remarks**

The butterfly valve body, disc and sealing should be suitable for the foreseen service.

Final acceptance of valves is subject to satisfactory outcome of testing as per RINA Rules.

Evidence of what follows is to be given on the test certificate:

- butterfly valves not fitted with flanges are not to be used for water inlets or overboard discharges and on tanks under head of fuel, unless provisions are made to allow disassembling at sea of the pipes served by these valves without any risk of flooding.
- bilge valves will be fitted in association with a non return valve.
- the use of nodular cast iron will be restricted as per RINA Rules Tab. 4 Pt. C, Ch 1, sec 10..
- for sea water pipe systems, the use of austenitic stainless steel is not recommended according to Tab. 4 of Pt. C, Ch 1, sec 10

The maximum working pressure is to be reduced as per the Manufacturer's instructions, according to working temperature.

This certificate does not cover any appropriate system for remote control valve.

This certificate annuls and replaces the previous one No. MAC418015CS/002.

**Hamburg January 23, 2021**

