Marine & Offshore

Certificate number: 09325/F0 BV
File number: ACM 145/1507/002
Product code: 2205I

This certificate is not valid when presented without the full attached schedule composed of 7 sections

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

SOCLA SAS

VIREY LE GRAND - FRANCE

for the type of product

BUTTERFLY VALVES

SYLAX Butterfly Valves

Requirements:
- BUREAU VERITAS Rules for the Classification of Steel Ships
- BUREAU VERITAS Rules for the Classification of Offshore Units
- BUREAU VERITAS Rules for the Classification of Naval Ships

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 23 Apr 2030

For Bureau Veritas Marine & Offshore,
At BV LYON, on 23 Apr 2025,
Michaël Vavro

This certificate was created electronically and is valid without signature

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

SYLAX Butterfly Valves

1.1 - Rating

- Design

Family	Range (mm)	Body Types	Design
SYLAX	DN 25 up to DN 350	Wafer type, lug type, U shape type (DN 200 up to DN 350)	Centered disc and rubber lined construction
SYLAX	DN 400 up to DN 1200	Wafer type, lug type, U shape type	Centered disc and rubber lined construction

- Service Pressure

Installation between flanges	
Range (mm)	**Service Pressure (bar)**
DN 32 to DN 350	16
DN 50 to DN 150	25
DN 200 to DN 300	20
DN 400 to DN 1200	16

Installation in end line (tapped lugs & U Shape)	
Range (mm)	**Service Pressure (bar)**
DN 32 to DN 150	16
DN 200 to DN 350	12
DN 400 to DN 1200	10

- Temperature range

Material	Temperature range (°C)
EPDM	-15 / +120
NBR	+5 / +85
White EPDM	+8 / +80
White Nitrile	+5 / +70
Carboxylated Nitrile	+5 / +110

Material	Temperature range (°C)
Hypalon	+5 / +90
Silicone	-25 / +200
Butyl	-10 / +80
Fluored Elastomer	+5 / +180

1.2 - Materials specification

Body	5.1301(EN1561), 5.3106(EN1563), 1.4408(EN10213), ASTM A-216 gr.WCB(ASTM A-216)
Body Coating	Epoxy, Decontamination coating, Rilsan, Corrozinc
Disc	5.3106(EN1563), CC33G(EN1982), 1.4408(EN10213), 1.4404(EN10213),1.4539(EN10213), 1.4571(EN10213), 1.4542(EN10213), ASTM B-265 gr.2(ASTM B-265), C-276 (UNS N10276), MONEL 400 (UNS N04400)
Disc Coating	Epoxy, Rilsan, PFA
Liner	EPDM, White EPDM, Nitrile High Content, White Nitrile, Carboxylated Nitrile, Fluored elastomer, Silicone, Hypalon, Butyl rubber, Natural rubber, Pure PTFE lineron Silicone mattress, Stainless steel loaded PTFE.
Shaft	1.4028 (EN10088), 1.4404 (EN10088), 1.4408 (EN10088), 1.4409 (EN10088), 1.4542 (EN10088)

When other choices of materials are used per manufacturer's instructions, the BV agreement is to be obtained.

2. DOCUMENTS AND DRAWINGS

- Manufacturer's catalogue and technical specifications

Family	Body Types	Drawing
SYLAX	Wafer type, lug type, U shape type (DN200 up to 350)	N° 42206N dated 21/09/2012
SYLAX	Wafer type, lug type, U shape type	N° 40010N dated 03/10/2001

No departure from the above documents shall be made without the prior consent of the Society. The manufacturer must inform the Society of any modification or changes to these documents and drawings.

3. TEST REPORTS

3.1 - BV qualification tests performed in the manufacturer's laboratory in the presence of a Society's Surveyor.

- Test reports N° GNB 980617/2/ GNB 98106 dated 23/02/1999

3.2 - Fire resistance test not performed

4. APPLICATION / LIMITATION

4.1 - May be used for the following services on board:

- Shipside valves, Ballast and bilge, Sea water and fresh water, Domestic and sanitary systems, Fuel oil and lubricating oil, Washing and fire extinguishing, and non-essential systems.

4.2 - The butterfly valves belong to Class I, Class II and Class III according to the relevant requirements stated in *NR467 Pt C, Ch 1, Sec 10.* Valves fitted on the ship side and collision bulkhead belong to Class II.

4.3 - The use of cast iron and stainless steel is to be restricted as per the Bureau Veritas Rules.

4.4 - The valve body, disc and seat should be suitable for the intended service. In particular the nature of materials, joints included, is to be selected according to the fluid to be conveyed and the temperature.

4.5 - The approval does not include any operating gear for remote control of the valves.

4.6 - When the butterfly valves are not fitted with flanges their use may be accepted as shipside valves provided that arrangement are made to allow a possible disassembling at sea of the pipes immediately inboard without any risk of flooding.

4.7 - Bilge valves will be fitted in association with a non-return valve.

5. PRODUCTION SURVEY REQUIREMENTS

5.1 - The products are to be supplied by **SOCLA SAS** in compliance with the type and the requirements described in this certificate.

5.2 - This type of product is within the category IBV of Bureau Veritas Rule Note *NR 320.*

5.3 - BV product certificate is required.

5.4 - Bureau Veritas Certificates are required for materials of valve housings of Class I (DN≥50) and Class II (DN≥100). Materials of valve housings of Class I (DN<50) and Class II (DN<100) and for other parts of Class I and Class II are to be with Work's certificates.

5.5 - Each valve housing for class I and class II is to be hydraulically pressure tested to 1.5 times the design pressure. Valves intended to be fitted on the shipside below the load waterline are to be tested by hydraulic pressure not less than 0.5 MPa.

5.6 - For information, **SOCLA SAS** has declared to Bureau Veritas the following production site:

SOCLA SAS
365 RUE DU LIEUTENANT PUTIER
71530 VIREY LE GRAND
FRANCE

6. MARKING OF PRODUCT

The valve shall be permanently marked with at least:

- Manufacturer's name or trade mark
- Type designation
- Size
- Society's brand as relevant

7. OTHERS

It is **SOCLA SAS**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

This certificate supersedes the Type Approval Certificate N° 09325/E1 BV issued by the Society.

***** END OF CERTIFICATE *****