

Certificate of Approval

This is to certify that

SOMAS Instrument AB

Nordlandsvägen 26-28, SE-661 40 Säfte, Sweden

is approved by MAN Energy Solutions for the design, manufacture and supply of:

Tier III Standard Valve
Valve group 1, 2, 3 and 4 (DN80-DN1600)
For RBV, RTV, RSV, TCV, CBV and EGB

SOMAS Valve codes:

MTV HT-A5-AAN-B71-DN...-PN...

MTV HT-A5-XXX-XX1-DN...-PN...

VSS HT-A5-XXX-XX1-DN...-PN...

SPV A2-GGH-L91-DNXXX

for MAN B&W engines (two-stroke) in accordance with the Terms and Conditions stated in Appendix A.

issued on 2021-02-26

expires on 2026-02-26

Certificate no.: 2700-2021-594.3

MAN Energy Solutions


Kenneth Tolberg


Nicolai Brocks

Appendix A:

Certificate no.: 2700-2021-594.3

The approval as Vendor is based on the premise that the production and testing facilities, associated procedures and relevant qualifications are found in compliance with:

- Quality Control Ident no. 0743172-1.11 “General Procedure for First-Time Production Approval of Controlled Components”
- Quality Control Ident no. 0743967-8.3 “Butterfly Valve for Tier III Application; First-Time Approval”
- Drawing: Valve and torque data, C-11945 Rev. U1, D-3912 Rev. U1
- Drawing: Actuator and IP converter data, C-11948 Rev. U1, C-11949 Rev. U1
- Report: Service, Maintenance and operating instruction Tier III valves and actuators, Mi-MDT TIII EN, Edition: 2017-04: Rev 0
- Report: Instruction for Emergency operation of Tier III Butterfly Valves, Mi-MDT TIII-01, Edition: 2017-04: Rev 0
- Report: Spare & consumption part list for the valve, RL-70201-00 Edition: 2017-04
- Report: Spare & consumption part list for the actuator, RL-35247-01-HNM Edition: 2017-04
- Report: First time approval valve group no. 2, Document No.: TR-T100021 Rev. 0 dated 13th April 2017
- Report: Work shop report Pegasus Voyager, file name: S90-444 dated 25th June 2019
- Report: MAN DN150-test report 58048-01-010-L
- Report: MAN DN400-test report 58053-01-010-L
- Report: MAN DN600-test report 70484-01-L

Product key:

SOMAS VSS HT – A... – XAX – X61 – DN... – D... – B... – PN10

A... = Nominal Pressure 2 = PN10; 5 = PN25

DN... = Valve size

D... = Shaft diameter

B... = Actuator mounting flange

SOMAS SPV A2-GGH-L91-DNXXX

GGH = Material Body, Disc, Seat

-L.. = Material Shaft

The Certificate of Approval is subject to the following Terms and Conditions:

Certificate no.: 2700-2021-594.3

1. Vendor shall at all times comply with the restrictions stipulated in the MAN SE Code of Conduct for Suppliers and Business Partners, Version 2.0 applicable as of January 1, 2015
2. The Certificate of Approval (the "Approval") is given on the strict condition that Vendor undertake to indemnify MAN Energy Solutions against any and all claims arising from the Product's actual or alleged infringement of any third party intellectual property rights.
3. For Product's designed by the Vendor, the Approval is given on the strict condition that Vendor undertakes to indemnify MAN Energy Solutions against any and all claims arising from the Product's design.
4. The Approval is given on the basis that the Product conforms with MAN Energy Solutions' drawings and specifications valid at the time of the Approval. MAN Energy Solutions reserves the right to make changes to its drawings and product specifications notwithstanding that such changes may invalidate the Approval.
5. The Approval shall not relieve Vendor from its responsibility always to manufacture the Product in compliance with good manufacturing practice, free from any defect and in strict compliance with any drawings and specifications received from MAN Energy Solutions or its licensees.
6. Changes made to the Product specification by the Vendor must be informed to and accepted by MAN Energy Solutions in writing. Failure by the Vendor to obtain such written acceptance from MAN Energy Solutions may render this Approval invalid.
7. The Approval is given under the strict condition that MAN Energy Solutions has the right to assess periodically the Vendors continued ability to manufacture the Product in accordance with the requirements of MAN Energy Solutions.
8. The Approval does not imply (whether directly or indirectly) that MAN Energy Solutions in any way guarantee the quality of the Product manufactured and supplied by Vendor.
9. The Approval may be withdrawn by MAN Energy Solutions at any time without notice if Vendor should fail to comply with the conditions of this Certificate of Approval, the MAN Energy Solutions Code of Conduct for Suppliers and Business Partners and Quality Control 0743172-1 "General Procedure for First-Time Production Approval of Controlled Components" and may otherwise be withdrawn by MAN Energy Solutions at any time by giving six months prior, written notice to the Vendor.