



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Somas Instrument AB
Address	Norrlandsvägen 26-28, Säffle, 661 40, Sweden
Place of Production	Somas Instrument AB. Box 107, Säffle, 661 23, Sweden
Type	Butterfly Valves
Description	High temperature wafer type butterfly valve, metal seated
Trade Name	VSS HT/MTV HT
Application	For use in exhaust gas, steam or other high temperature systems in marine, offshore and industrial applications.
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships, July 2024; EN12516-2:2021
Ratings	see Appendix

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A member of the Lloyd's Register group

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Other Conditions

1. Valves are to be selected, installed and tested in accordance with the manufacturer's recommendations and LR's Rules and Regulations for the Classification of Ships, Part 5, Chapter 12.
2. The valves are to be marked with the following information:
 - Manufacturer's name or trademark
 - Pressure rating
 - Temperature range
 - Size

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2002533TA

The Design Appraisal Document TSO/25-031693-P-1 and its supplementary Type Approval Terms and Conditions form part of this Certificate.



Appendix

RATINGS

Nominal diameter (mm)	80	100	125	150	200	250	300	350	400
Maximum working pressure (bar)	25	25	25	25	25	25	25	25	25

Nominal diameter (mm)	450	500	600	650	700	800	900	1000	1200
Maximum working pressure (bar)	25	25	25	25	25	25	10	10	6 - 10

Maximum working temperature: 550 °C

For elevated temperatures the manufacturer's pressure rating is to be used.