Certificate No: LR2002533TA
Issue Date: 24/03/2020
Expiry Date: 23/03/2025

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	SOMAS butterfly valves
Application	Marine, offshore and industrial use subject to the following marine exclusions: • Shipside valves. • Compressed air or gas systems having a pressure greater than 7 bar. • As outlet valves on compressed air receivers. As terminal valves or deep tank outlet valves inflammable fluid systems inside machinery spaces or other spaces where a source of ignition is present.
Specified Standard	Lloyd's Register's Rules and Regulations for the Classification of Ships; ANSI B16.104
Ratings	Nominal diameter (mm): 80,100, 125, 150, 200, 250, 300, 350, 400, 450,

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Mohamed Mohamed Rila

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A member of the Lloyd's Register group

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500, 600, 700 & 800
Max-working pressure (bar): 25
Max-working temperature (°C): 550

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. Material impact test and wed-non-destructive tests are to be carried out in accordance with the LR Rules for Materials.
3. Due care should be taken not to over stress the fittings when tightening the bolts.
4. 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.

The Design Appraisal Document No. LR2002533TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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