

# 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.

<b>Manufacturer</b>	<b>Somas Instrument AB</b>		
<b>Address</b>	Norrlandsvägen 26-28, 661 40 Säffle, Sweden		
<b>Place of Production</b>	Somas Instrument AB		
<b>Type</b>	Butterfly Valves		
<b>Description</b>	Wafer type butterfly valve, metal seated		
<b>Trade Name</b>	SOMAS butterfly valves		
<b>Application</b>	Marine, offshore and industrial use subject to the following marine exclusions: <ul style="list-style-type: none"><li>• Shiplside valves.</li><li>• Compressed air or gas systems having a pressure greater than 7 bar.</li><li>• As outlet valves on compressed air receivers.</li><li>• As terminal valves or deep tank outlet valves in flammable fluid systems inside machinery spaces, or other spaces where a source of ignition is present.</li></ul>		
<b>Specified Standard</b>	Lloyd's Register's Rules and Regulations for the Classification of Ships; ANSIB16.104		
<b>Ratings</b>	Nominal diameter (mm):	80, 100, 125, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700 & 800	
	Max-working pressure (bar):	25	
	Max-working temperature (°C):	150	

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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. Material impact test and weld-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. LR2002548TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.