Certificate No: LR2496029TA
Issue Date: 08/08/2024
Expiry Date: 07/08/2029

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	**SEWON IND CO LTD**
Address	59, Hwangsagongdan-Ro, Beopsu-myeon, Haman-Gun, Gyeongnam, 52055, South Korea
Type	Air Pipe Head
Description	Air vent heads SWS Special type with metallic float.
Trade Name	SWS SPECIAL TYPE AIR VENT HEAD
Application	Automatic closing appliance for air and overflow pipes with terminate above the open deck for use in marine and offshore industries
Specified Standard	Lloyd's Register Rules and Regulations for Classification of Ships, Part 3, Chapter 12, Section 3,July 2024 Lloyd's Register Rules and Regulations for Classification of Ships, Part 5, Chapter 13, Section 12,July 2024 IACS UR P3 " Air pipe closing device (Rev. 5, Apr. 2021)
Ratings	Nominal Bore Sizes (mm): SWS Special type : 65 to 450 80% Vacuum flow rate velocity (m/s) 60A : 53.9 80A : 41.7 100A : 22.3

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Da-Young Kang

Engineering Piping - Senior Specialist to
Lloyd's Register Asia
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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125A : 18.8
150A : 23.8
200A : 15.6
250A : 14.5
300A : 15.1
350A : 16.1
400A : 16.7
450A : 20.5

Additional Tests Tightness test, Flow Characteristics, Discharge/Reverse flow rate, Impact test

Other Conditions

1. Where the air pipe vent head is intended to be installed on a ship classed or intended to be classed with LR, its position is to be indicated on the air pipe arrangement plan which is submitted for approval.
2. The vent head is not to be used for cargo oil tank air pipes.
3. The installation and maintenance are to be in accordance with the manufacturer's instructions.
4. Flow characteristic curves are to be available to the users.

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 Asia of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document BTS/ENG/M242682 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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