Certificate No.: 2506021021205289

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This is to certify that the

AIR PIPE AUTOMATIC CLOSING DEVICES - SOY AIR VENTILATION HEADS

TL Project No	**24-2580**
Manufacturer	**SOYTEKNİK ENDÜSTRİYEL MALZEMELERİ SANAYİ VE TİCARET ANONİM ŞİRKETİ**
Address	**İMES OSB 9. Cadde No: 37 Dilovası/Kocaeli**
Product Type	**Soy Air Ventilation Heads**
Reference Rule	**TL Rules, Part E, Chapter 103 - Metallic Materials, Special Materials for Naval Ships, 01.01.2022** **TL Rules, Part E, Chapter 107 - Naval Ship Technology, Ship Operation Installations and Auxiliary System, 01.01.2022** **TL Rules, Part A, Chapter 2, Material, 01.07.2024** **TL Rules, Part B, Chapter 4, Machinery, 01.07.2024** **UR P3 Air pipe closing devices Rev.5 Apr 2021 Clean, 01.04.2021**
Expire Date of Previous Certificate	**19.09.2024**
Place and Date	**İstanbul / 04.06.2025**

Subject to the conditions referred to in the following pages, this certificate is valid until 19.09.2029.

Emrah Söğütçü

New Building Division Manager

135374

This certificate is subject to terms and conditions described below:

- Any significant change in design or construction may render this Certificate invalid. Type Approval Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and revelant international instruments that apply to it.

Product	: AIR PIPE AUTOMATIC CLOSING DEVICES - SOY AIR VENTILATION HEADS
Type of Product	: Soy Air Ventilation Heads
Product Description	: DN50-DN300/Watertightness 0.3 Bar
Approval No / Date	: PAE-EPAS/019805/24-2580/BÇ & 18.10.2024
Performed Tests	: -Quality Audit -Visual Inspection -Float & Flow Tests -Tightness test -Dimensional Controls according to approved drawings
Test Place	: Soyteknik End. Malz. San. Ve Tic. A.S.
Last Inspection Date	: 14.05.2025
Surveyor Remarks	: Closures and seats made of non-metallic materials are to be compatible with the media intended to be carried in the tank and to seawater and suitable for operating at ambient temperatures between -25 C ° and 85 C °
Application/Limitation	: - The air pipes closing devices may not be used for cargo tanks on tankers - The air pipes can be delivered with heating mechanism. - The air pipes can be provided with stainless steel wire mesh and closing device. - The sealing is provided by one or two polyethylene float balls for the hail type air pi pes. - The air pipe head characteristic curves of the manufacturer are to be taken into consideration. - May be used on air pipes from tanks intended for ballast water, fresh water and oil fuel fluids. - Not approved for ballast water management by flushing the ballast water through an air vent. - To prevent blocking of the air pipe head openings by their floats/balls during tank discharge the max. Allowable air velocity determined by the manufacturer is to be observed. - Undefined tolerances and dimensions are to be according to EN 22768-1 and, or ISO 8062 -Flange dimension is to be according to EN1092-1

	DN	Wall thickness of iron body (mm)	Wall thickness of aluminium body (mm)	Total Height (mm)	Ball diameter (mm)	80% of max vacuum flow velocity (m/s)
1	50	6 mm	6 mm	160 mm	55 mm	4.48
2	65	6 mm	6 mm	195 mm	70 mm	4.48
3	80	6 mm	6 mm	218 mm	85 mm	5.6
4	100	6 mm	7.5 mm	260 mm	105 mm	6
5	125	6 mm	7.5 mm	305 mm	130 mm	6.4
6	150	6.5 mm	7.5 mm	365 mm	155 mm	6.4

Surveyor Name : Aydın MENDERES

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7	200	7.5 mm	7.5 mm	460 mm	200 mm	6.4
8	250	8 mm	10 mm	570 mm	250 mm	6.24
9	300	9.5 mm	15 mm	730 mm	325 mm	6.24

Approval Conditions : Body: GG25 / G-AlSi7Mg / G-AlMg3Si / G-AlMg5Si
Ball: PE
Bolt: AISI 316
Bonnet: GG25 / G-AlSi7Mg / G-AlMg3Si / G-AlMg5Si
O-ring holders ring: RG5 / G-AlSi7Mg / G-AlMg3Si / G-AlMg5Si
O-ring:NBR
Strainer (16 mesh): AISI 316
Strainer holder ring: RG5 / G-AlSi7Mg / G-AlMg3Si / G-AlMg5Si

Surveyor Name : Aydın MENDERES

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