



Type Approval Certificate

Germanischer Lloyd

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

Certificate No. 17 443 - 01 HH

Company WINTEB
Ferro en Lichtmetaalgieterij
P.O. Box 156
NL-9670 AD Winschoten

Product Description AIR PIPE HEADS WITH AND WITHOUT SCREEN

Type

- WIN2000 type 1, sizes: DN 50 to DN 250 and DN 450 without screen only
- WIN2000 type 1-B, sizes: DN 50 to DN 125

Environmental Category

- None

Technical Data /
Range of Application TECHNICAL DATA
Casing: G-AlMg5Si, GG-25, GGG-40, G-AlMg3Si, G-CuAl10Ni,
CuNi10Fe1Mn, G-CuSn10Zn, G-CuZn33Pb, G-AlSi7Mg
O-Rings: Nitrile Butadiene [NBR]
Screen: Mesh 18
Ball: Polyethylene [PE]
Size Range: DN 50 to DN 250 and DN 450
RANGE OF APPLICATION
As automatic closing devices on air and overflow pipes which terminate above the open deck.
The air pipe head characteristic curves of the manufacturer are to be taken into consideration.

MARKING
The casings are to be marked as follows:
• manufacturer's mark • Type • nominal diameter • GL Certificate No. •

Test Standard

- IACS Req. P3 1991, Rev.2 2004

Documents

- Test Reports HB-WIN 2005/1, 2005/1 A2 + A3, dated 31.05.2005
- General Drawing No. WIN 2000-01, Rev. 04
- Air Pipe Head Characteristic Curves

Remarks

- The air pipe closing devices may not be used for cargo tanks on tankers

Valid until 2011-01-17

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Type Approval Symbol



File No. II.A.21

Hamburg, 2006-01-23

Germanischer Lloyd

G. Hölzer

W. Lippke

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".