

# Type Approval Certificate



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. **94 264 - 10 HH**

Company **Winteb v.o.f.  
Non-Ferro en Lichtmetaalgieterij  
Parallelweg 1  
9672 AW Winschoten, NETHERLANDS**

Product Description **AIR PIPE HEADS WITH AND WITHOUT SCREEN**

Type 

- WIKO 5000 Gooseneck Type 1, WIKO 5000 Gooseneck Type 1B
- WIKO 5000 type 1, WIKO 5000 type 1-A

Environmental Category **None**

Technical Data /  
Range of Application **TECHNICAL DATA**

- WIKO 5000 Gooseneck Type 1
- WIKO 5000 Gooseneck Type 1B
- Casing: **G-AlMg5Si, GG-25, GGG-40, G-AlMg3Si, G-CuAl10Ni, CuNi10Fe1Mn, G-CuSn10Zn, G-CuZn33Pb, G-AlSi7Mg**
- O-Rings: **Nitrile Butadiene [NBR]**
- Screens: **Mesh 18, Mesh 30 / Ball: Polyethylene [PE]**
- Size Range: **DN 50 up to DN 400**

  

- WIKO 5000 type 1, sizes: **DN 300/350/400**
- WIKO 5000 type 1-A
- Casing: **G-AlMg5Si, GG-25, GGG-40, G-AlMg3Si, G-CuAl10Ni, CuNi10Fe1Mn, G-CuSn10Zn, G-CuZn33Pb, G-AlSi7Mg**
- O-Rings: **Nitrile Butadiene [NBR]**
- Screens: **Mesh 18 / Ball: Polyethylene [PE]**
- Size Range: **DN 50 up to DN 400**

Test Standard 

- IACS Req. P3 1991, Rev.2 2004

Documents 

- Test Report No. Winteb 2009/1, dated 18.12.2009
- Annex 1 to Test Report Winteb 2009/1, dated 18.12.2009
- Annex 2 to Test Report Winteb 2009/1, dated 18.12.2009
- Test Report Norit Nijhuis, dated 30.11.2009, 01.12.2009

Remarks 

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

Valid until **2016-01-17**

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File No. **II.A.21**

Hamburg, **2011-06-01**

Type Approval Symbol



**Germanischer Lloyd**

*Hanspeter Raschle*  
Hanspeter Raschle

*Peter Gierhan*  
Peter Gierhan

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



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## RANGE OF APPLICATION

The air pipe heads are type approved as automatic closing device on air and overflow pipes terminated on open deck. This type is not approved for permanent ballast water discharge in connection with ballast water exchange procedure. 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.  
May be used on air pipes from fuel tanks and seawater ballast tanks.

The air pipe head characteristic curves of the manufacturer are to be taken into consideration.

## PRODUCTION PLACE

Winteb v.o.f.  
9672 AW Winschoten  
NETHERLANDS

## MARKING

The casings are to be marked as follows:

- manufacturer's mark • Type • nominal diameter •

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