



TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This Certificate consists of 3 pages.

This is to certify that the

AIR PIPE HEADS WITH / WITHOUT SCREEN

With type designations

WIN2000-Type 1 and 1-B / WIN 2000 HIAS / WIKO 5000 Type 1-A
WIKO5000 "Gooseneck" / Liquid Mud Valves

Manufactured by

WINTEB B.V.

Is found to comply with

Türk Loydu Rules Technical Circular S-P 36/13 and IACS URP revision which is Rev.4, 2016.

- Application** : The valves may be used on air pipes from fuel tanks and sea water ballast tanks according to Türk Loydu rules.
- Design** : WINTEB B.V.
- Sizes** : See Second Page.
- Address of Manufacturer** : WINTEB B.V Parallelweg 1 9672 AW Winschoten, NL.
- Place and date** : İSTANBUL, 16.09.2019

Subject to the conditions referred to in the following pages, this certificate is valid until 24.06.2024

This certificate supersedes TO.DEB.19-0607 numbered and 29.07.2019 date certificate.


Emrah SÖĞÜTÇÜ
New Building Division Manager



Product description : Air Pipe Heads With / Without Screen

Type Designation : WIN2000-Type 1 and 1-B WIN 2000 HIAS, WIKO 5000 Type 1-A, WIK05000 "Gooseneck", Liquid Mud Valves

Materials used :

Housing	Standard	O-Ring	Ball	Screen
AlMg3Si	DIN 1725	Nitrile Butadiene (NBR)	Polyethylene (PE)	Mesh 18, Mesh 30
AlMg5Si	DIN 1725	Nitrile Butadiene (NBR)	Polyethylene (PE)	Mesh 18, Mesh 30
AlMg7Si	DIN 1725	Nitrile Butadiene (NBR)	Polyethylene (PE)	Mesh 18, Mesh 30
G-CuAlNi	DIN 1725	Nitrile Butadiene (NBR)	Polyethylene (PE)	Mesh 18, Mesh 30
CuNiOFe	DIN 1714	Nitrile Butadiene (NBR)	Polyethylene (PE)	Mesh 18, Mesh 30
G-CuSn10Zn	DIN 1705	Nitrile Butadiene (NBR)	Polyethylene (PE)	Mesh 18, Mesh 30
G-CuZn33Pb	DIN 1709	Nitrile Butadiene (NBR)	Polyethylene (PE)	Mesh 18, Mesh 30

Sizes:

Type	DN	Heated Exercusion
WIN 2000 -Type1 and 1-B	50/65/80/100/125/150/200/250/350/400/450/500	available
WIN 2000 HIAS	50/65/80/100/125/150/200/250/350/400/450/500	available
WIK05000 type 1-A	50/65/80/100/125/150/200/250/300/350/400	available
WIK05000 "Gooseneck"	50/65/80/100/125/150/200/250/300/350/400	available
Liquid Mud Valves	125/150/200/250	-

Application/ Limitation (Approval conditions):

- 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 pipes.
- The air pipe head characteristic curves of the manufacturer are to be taken into consideration.
- WIN2000 type 1 and WIN2000 type 1-B are not approved for permanent ballast waterdischarge 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.

Documentation :

- Approval drawing No: P/0671/14-0450/İK/AO
- Test Report dated June/2014 performed by Turk Loydu
- Test Report dated April/2014 from Laboratory Technical University of Dresden
- Test Report dated June/2014 from Laboratory Technical University of Dresden
- Test Report dated July/2012 from Laboratory Hochschule Bremen
- Test Report dated February/2010 from Laboratory Hochschule Bremen

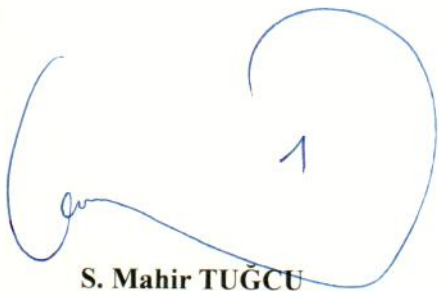
Test carried out (and results) :

- Visual inspection
- Leakage test
- Dimensional control

Place of test carried out : WINTEB B.V - NETHERLANDS

Marking of product: The product to be marked same as below mentioned.

- Manufacturer's name and trade mark
- Type
- Nominal diameter



S. Mahir TUĞCU
Surveyor

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 the 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 relevant international instruments that apply to it.

