



Type Approval Certificate Extension

This is to certify that Certificate No. 01/30074 (E4) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Winteb B.V. PO Box 156 9670 AD Winschoten The Netherlands
PLACE OF PRODUCTION	Parallelweg 1 9672 AW Winschoten The Netherlands
DESCRIPTION	Tank vent check valve (with or without screen)
TYPE	WIN 2000, Type BWM and Type LMV (to be fitted in combination with Type HIAS) Type HIAS (High Inlet Air Speed) Type HIAS (High Inlet Air Speed) Heated WIKO 5000 Type 1-A and Type 1-A Heated
APPLICATION	Automatic closing appliance for air and overflow pipes, for marine, offshore and industrial piping systems.

Air velocity at point of blocking WIN2000 Type HIAS;

Size (DN)	50	65	80	100	125	150	200	250	300	350	400	450	500
V m/s	5,1	5,4	6,3	17,1	17,4	13,0	7,8	4,6	11,1	10,3	8,7	9,5	7,9

Certificate No.	01/30074 (E5)
Issue Date	01 August 2016
Expiry Date	31 July 2021
Sheet	1 of 2

J.M. du Bois
Rotterdam Design Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA
K.P. Van der Mandelelaan 41a, 3062MB Rotterdam

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The velocities stated are 80 per cent of the values recorded during point of blocking

Air velocity at point of blocking WIKO5000 Type 1-A;

Size (DN)	50	65	80	100	125	150	200	250	300	350	400
V m/s	13	8,4	5,6	8,2	6,8	10,8	10,6	9,2	11,4	7,6	8

The velocities stated are 80 per cent of the values recorded during point of blocking

SPECIFIED STANDARDS

LR Rules and Regulations for the Classification of Ships
 LR Rules and Regulations for the Classification of Mobile Offshore Units
 LR Rules and Regulations for Fixed Offshore Installations

IACS Unified Requirements P3 (1991, Rev. 4, Jan 2016)

RATINGS

WIN 2000: DN50, 65, 80, 100, 125, 150, 175, 200 , 250, 300, 350, 400 and 450 (Type BWM)
 DN150, 200 and 250 (Type LMV)
 DN50, 65, 80, 100, 125, 150, 200 , 250, 300, 350, 400, 450 and 500 (Type HIAS)

WIKO 5000: DN50, 65, 80, 100, 125, 150, 200, 250, 300, 350 and 400 (Type 1-A)

All other details remain as the previous Certificate No. 01/00074 (E4) to which this extension should be attached.

"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 EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. RDS/ENG/6247974 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 01/30074 (E5)
 Issue Date 01 August 2016
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 Sheet 2 of 2

J.M. du Bois
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