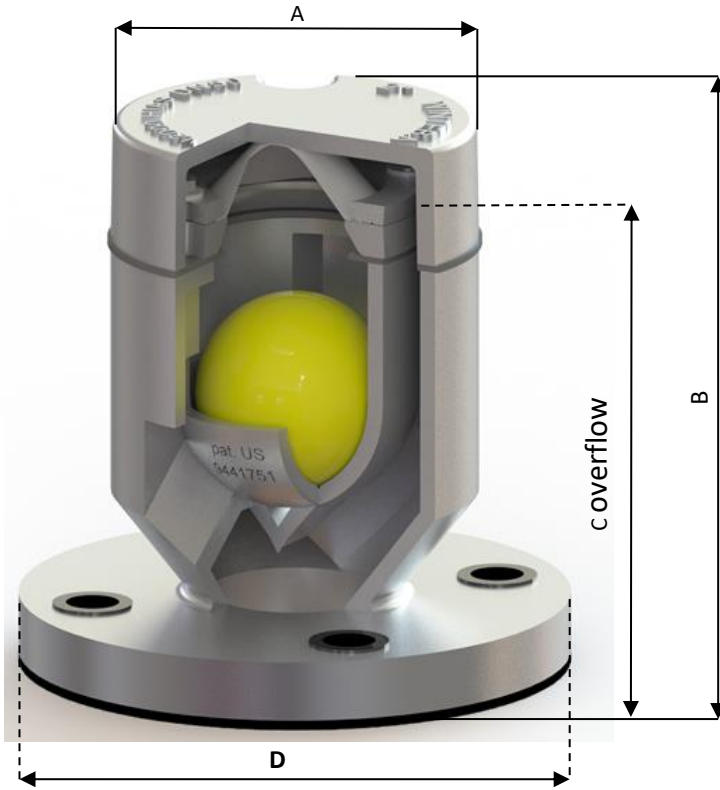


The world's largest producer of seawater resistant aluminium air pipe heads
Innovative and high quality products

WINTEB PROUDLY PRESENTS:
The High Inlet Air Speed execution
HIAS



The patented HIAS technology has significantly increased the maximum inlet air speed. Especially designed for stability tanks and anti-heeling tanks.

WIN2000 HIAS is certified as watertight, according to IMO3573 regulations

Options:

1. Closing device*
2. Screen*
3. Threaded connection (BSP/NPT) only for aluminium pipes
4. Victaulic connection
5. Small flange connection
6. Powder (epoxy) coating
7. Sounding pipe

*Either option 1 or 2 (Closing device or screen)
- HFO: Winteb strongly advises to use VITON Gaskets for HFO tanks & Bunker stations with temperatures exceeding +60°C
- Winteb advises to not use a screen on Ballast tanks unless required by class

NB: Sizes DN300-DN500 are supplied with lifting eye (not with closing device)



WIN2000 HIAS with screen
(screen is optional)

	DN50 (2")	DN65 (2 1/2")	DN80 (3")	DN100 (4")	DN125 (5")	DN150 (6")	DN175 (7")	DN200 (8")	DN250 (10")	DN300 (12")	DN350 (14")	DN400 (16")	DN450 (18")	DN500 (20")
A (mm)	Ø110	Ø130	Ø160	Ø195	Ø236	Ø275	Ø275	Ø338	Ø442	Ø560	Ø645	Ø728	Ø740	Ø887
B ±2.5 (mm)	170	200	230	275	319	383	383	480	595	747	876	977	1146	1186
C (with screen) (mm)	147	180	194	238	273	323	323	397	495	620	705	779	960	903
D	Flange connection according to any standard													
Ball diameter (mm)	Ø60	Ø75	Ø90	Ø105	Ø130	Ø155	Ø155	Ø200	Ø250	Ø325	Ø360	Ø400	Ø480	Ø530
Weight (kg)	2	2.75	4	6.5	9	13	14	20	32	63	88	114	134	180
Flow rate at 0,25 bar(m3/h)**	19	28	46	73	114	182	210	325	469	850	1025	1300	1490	2150
Flow rate at 0,25 bar(m3/h)***	18	25	42	68	101	169	195	279	443	805	925	1175	1375	1925
Max. inlet air speed (m/s)	17	17,5	38	58	59	42	42	27	15	39	36	27	34	29

**Please note that these values correspond with the WIN2000 HIAS without screen, flowrate is with water being pumped through the air pipe head.

***Please note that these values correspond with the WIN2000 HIAS with screen mesh 18, flowrate is with water being pumped through the air pipe head.

- This information is not to be considered exhaustive. The content of this publication is of general and informative nature and is not meant as (technical) advice for product or usage purposes. No rights are to be derived from this information.

Made of seawater resistant Aluminium EN1706/DIN1725 | Non corroding | Maintenance free | Smallest design available
No suction blocking | Cost saving | light weight = less fuel = less CO2 emission | Approved by all major classification societies

WIN2000 HIAS AIR PIPE HEADS: PRESSURE DROP VS. FLOW RATE CHARACTERISTICS

According to classification societies the air pipe head characteristic curves are to be taken into consideration at the design stage of the ballast system. Flowrate in m³/h

