

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

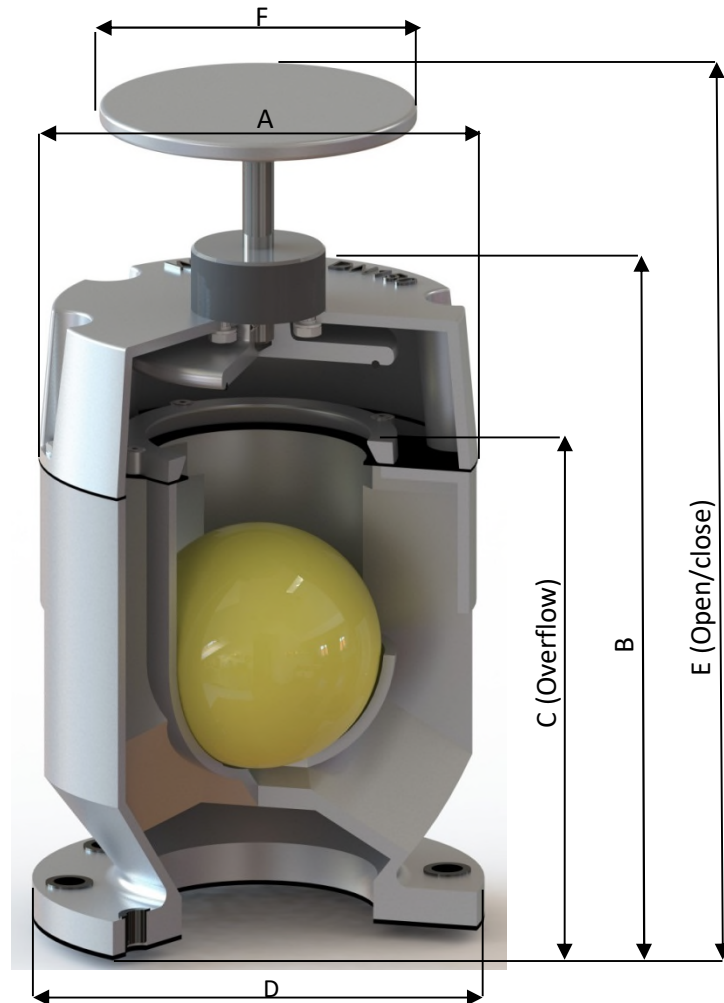
## WIN2000 HIAS AIR PIPE HEADS WITH CLOSING DEVICE

### Options:

1. Screen
2. Threaded connection, only for aluminium pipes
3. Powder (epoxy) coating
4. Victaulic connection
5. Small flange connection

- 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



	DN50 (2")	DN65 (2½")	DN80 (3")	DN100 (4")	DN125 (5")	DN150 (6")	DN175 (7")	DN200 (8")	DN250 (10")	DN300 (12")	DN350 (14")	DN400 (16")	DN450 (18")
A (mm)	Ø110	Ø130	Ø160	Ø195	Ø236	Ø275	Ø275	Ø343	Ø442	Ø570	Ø640	Ø728	Ø740
B ±2.5 (mm)	185	230	251	293	345	401	401	480	595	747	876	977	1146
C (Overflow) (mm)	143	172	190	229	268	316	316	390	478	600	695	760	925
D (mm)	Flange connection according to any standard												
E (open/close) (mm)	248/ 233	300/ 270	327/ 300	390/ 355	452/ 405	529/ 485	529/ 485	649/ 584	756/ 680	932/ 838	1041/ 943	1189/ 1046	1317/ 1222
F (mm)	Ø100	Ø100	Ø100	Ø120	Ø120	Ø200	Ø200	Ø200	Ø300	Ø300	Ø300	Ø300	Ø300
Ball diameter (mm)	Ø60	Ø75	Ø90	Ø105	Ø130	Ø155	Ø155	Ø200	Ø250	Ø325	Ø360	Ø400	Ø480
Weight incl. closing device [kg.]	2.5	3.5	4.75	7.5	10	14	15	21.5	34	65	90	117	138
Flow rate at 0,25 bar (m3/h)**	19	28	46	73	114	182	210	325	469	850	1023	1300	1490
Max. inlet air speed (m/s)	17	17.5	38	58	59	42	42	27	15	39	36	27	34

\*\*Please note that these values correspond with the WIN2000 HIAS without screen, 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 m<sup>3</sup>/h

