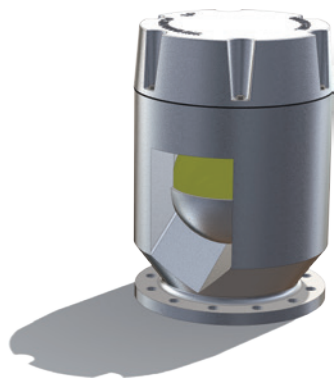
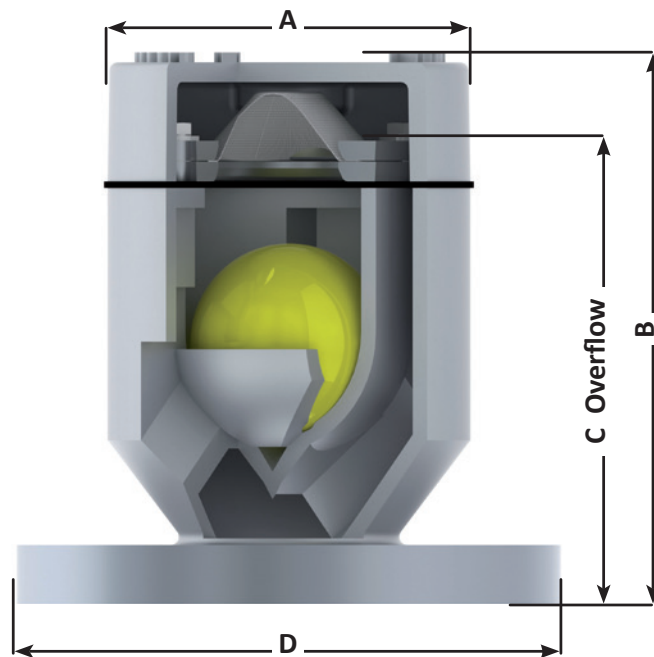


The world's largest producer of seawater resistant aluminium air pipe heads  
 Innovative and high quality products

WINTEB BV 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 WITH SCREEN (screen is optional)

**Options:**

1. Closing device\*
2. Screen\*
3. Threaded connection, only for aluminium pipes.
4. Powder (epoxy) coating
5. Sounding pipe
6. Small flange connection

\*Either option 1 or 2  
 (Closing device or screen)

|  | DN50<br>(2")                                | DN65<br>(2½") | DN80<br>(3") | DN100<br>(4") | DN125<br>(5") | DN150<br>(6") | DN175<br>(7") | DN200<br>(8") | DN250<br>(10") | DN300<br>(12") | DN350<br>(14") | DN400<br>(16") | DN450<br>(18") | DN500<br>(20") |
|--|---|---------------|--------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>A</b>   | Ø108  | Ø130          | Ø160         | Ø195          | Ø235          | Ø275          | Ø275          | Ø340          | Ø415           | Ø560           | Ø642           | Ø725           | Ø740           | Ø887           |
| <b>B ±2.5</b>  | 165   | 200           | 230          | 270           | 319           | 376           | 376           | 477           | 592            | 742            | 858            | 956            | 1110           | 1148           |
| <b>C Overflow<br/>(with screen)</b>                      | 146   | 175           | 200          | 234           | 272           | 319           | 319           | 392           | 490            | 619            | 716            | 779            | 925            | 873            |
| <b>D</b>   | Flange connection according to any standard |               |              |               |               |               |               |               |                |                |                |                |                |                |
| <b>Ball diameter</b>                                     | Ø60   | Ø75           | Ø90          | Ø105          | Ø130          | Ø155          | Ø155          | Ø200          | Ø250           | Ø325           | Ø360           | Ø400           | Ø480           | Ø500           |
| <b>Weight kg.</b>  | 2   | 2.75          | 4            | 6.5           | 9             | 13            | 14            | 20            | 32             | 63             | 88             | 114            | 134            | 180            |
| <b>Flow rate at 0,25 bar(m3/h)**</b>                     | 19  | 28            | 46           | 73            | 114           | 182           | 210           | 325           | 469            | 850            | 1025           | 1300           | 1490           | 2150           |
| <b>Flow rate at 0,25 bar(m3/h)***</b>                    | 18  | 25            | 42           | 68            | 101           | 169           | 195           | 279           | 443            | 805            | 925            | 1175           | 1375           | 1925           |
| <b>Max. inlet air speed (m/s)</b>                        | 17  | 17,5          | 38           | 58            | 59            | 42            | 42            | 27            | 15             | 39             | 36             | 27             | 34             | 29             |
| <b>Inlet air flow rate at max inlet air speed (m3/h)</b> | 135   | 209           | 612          | 1620          | 2590          | 2700          | 2700          | 3060          | 2700           | 9900           | 12240          | 12060          | 19080          | 20880          |

\*\* 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.

Made of seawater resistant Aluminium 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

