



Why Winteb air pipe heads are the best solution



Made in Holland

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Unique selling points	Winteb air pipe heads, Sea water resistant aluminium	Competitors, Steel galvanised or cast iron
Weight	Winteb air pipe heads are made of seawater resistant aluminium DIN1725 This means less weight. WIN2000 DN 50 = 2 kg. WIN2000 DN 450= 130 kg.	Steel or cast iron constructions are far more heavier compared to aluminium. Maker A DN 50 = 12 kg. DN 450 = 330 kg. Maker B DN 50 = 15 kg. DN 450 = 255 kg.
Design	Small design; Less space & less weight WIN2000 DN 50 = Ø 108 x 161 mm WIN2000 DN 450 = Ø 740 x 1110 mm	The competitor's designs tend to be less advanced and larger. Maker A DN 50 = 216 x 294 x 170 mm DN 450 = 872 x 950 x 1260 mm Maker B DN 50 = DN 450 = 859 x 903 x 635 mm
Material	As Winteb air pipe heads are made of seawater resistant aluminium they will not corrode (if fitted according to our "Fitting Instructions"), need no extra maintenance and will last much more longer compared to steel galvanised and cast iron air pipe heads.	Steel and cast iron air pipe heads will corrode quit quickly compared to Winteb air pipe heads. They also need extra galvanisation, protection coating (see P 3.3.2 & 3.3.3) and maintenance to prevent them from (inevitable) corroding
Price/quality	Winteb is the world's largest producer of aluminium air pipe heads and sells world wide so our price has to be competitive in order to achieve this. Furthermore we design, cast (only first class aluminium), machine and assemble all our products ourselves to ensure the highest possible quality standard. Winteb Price/ Quality rate is the best you can get.	A lot of our competitors are outsourcing their production or just assemble in order to get lower productions cost. It often leads to less quality products and materials.

Updated and new as per IACS Req. 1991. Rev.2 2004	Winteb air pipe heads, Sea water resistant aluminium	Competitors, Steel galvanised or cast iron
<p>P3.2.3 Efficient ball or float seating arrangements are to be provided for the closures. Bars, cage or other devices are to be provided to prevent the ball or float from contacting the inner chamber in its normal state and made in such a way that the ball or float is not damaged when subjected to water impact due to a tank being overfilled.</p>	<p>The ball chamber of the Winteb air pipe heads is designed to combine the function of the inner chamber, ball guidance and seating together. Special casting methods provide a smooth (polished), non-frictional surface of the ball chamber. The design of the float ball guidance prevents the float ball from moving around except in the way it should do and the seating ensures a non-damaging rest position and therefore complies with P3.2.3 and is accepted by all major classification societies.</p>	<p>Extra bars or other devices need to be provided to prevent the ball from moving around and getting damaged by contacting the (corroding) inner chamber. Extra weight is added to the already more heavier steel air pipe heads to comply with this rule</p>
<p>P3.2.9 The inner and the outer chambers of an automatic air pipe head is to be of a minimum thickness of 6 mm.</p>	<p>Winteb air pipe heads already complied with these rules. So no extra weight is added to the design and combined with the advantage of aluminium they are the lightest air pipe heads in the world</p>	<p>Extra weight is added to the already more heavier steel air pipe heads to comply with this rule</p>
<p>P3.3.2 For galvanised steel air pipe heads, the zinc coating is to be applied by the hot method and the thickness is to be 70 to 100 microns.</p>	<p>Winteb air pipe heads are made of seawater resistant aluminium (no corroding) and need not to be galvanised.</p>	<p>Extra work, cost and maintenance is added to the products to prevent them from corroding</p>
<p>P3.3.3 For areas of the head susceptible to erosion (e.g. those parts directly subjected to ballast water impact when the tank is being pressed up, for example the inner chamber area above the air pipe, plus an overlap of 10° or more either side) an additional harder coating should be applied. This is to be aluminium bearing epoxy or other equivalent, coating, applied over the zinc.</p>	<p>There for this extra coating described in P3.3.3 is not applicable for Winteb air pipe heads. No extra work, cost and maintenance.</p>	<p>An extra coating is needed to prevent those parts of the air pipe heads that are in contact with ballast water from corroding and damaging. Extra work, cost and maintenance is added to the air pipe heads.</p>