

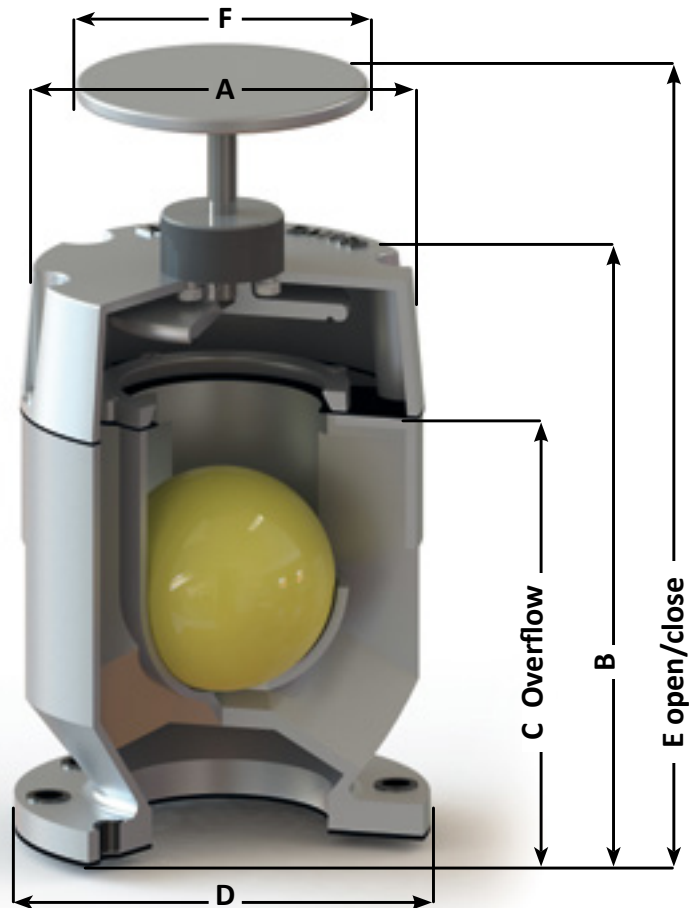
The world's largest producer of seawater resistant aluminium air pipe heads
Innovative and high quality products

WIN2000 HIAS AIR PIPE HEADS WITH CLOSING DEVICE

Options:

1. 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)



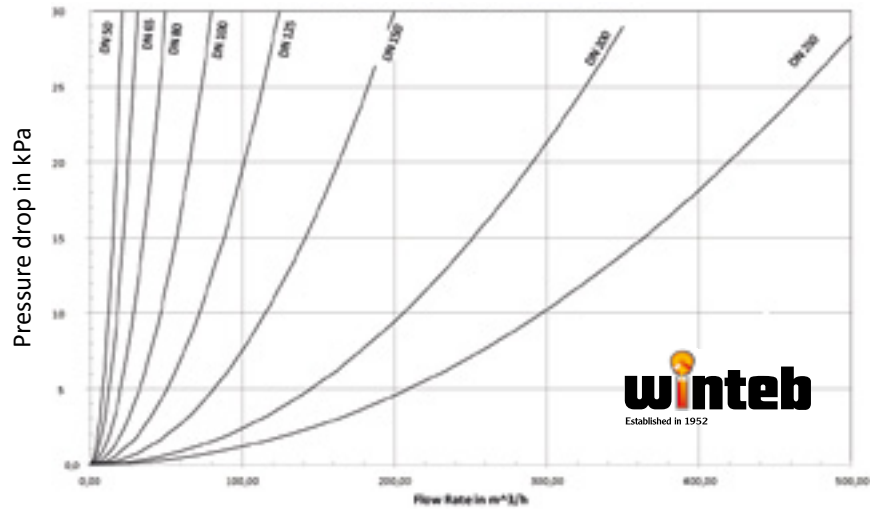
	DN50 (2")	DN65 (2 1/2")	DN80 (3")	DN100 (4")	DN125 (5")	DN150 (6")	DN175 (7")	DN200 (8")	DN250 (10")	DN300 (12")	DN350 (14")	DN400 (16")	DN450 (18")
A	Ø110	Ø130	Ø160	Ø195	Ø237	Ø275	Ø275	Ø343	Ø442	Ø570	Ø640	Ø728	Ø740
B ±2.5	185	230	251	293	345	401	401	481	595	741	842	950	1110
C (Overflow)	143	172	190	229	268	316	316	390	478	600	695	760	925
D	Flange connection according to any standard												
E (Open/close)	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/ 1166
F	Ø100	Ø100	Ø100	Ø120	Ø120	Ø200	Ø200	Ø200	Ø300	Ø300	Ø300	Ø300	Ø300
Ball diameter	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	1025	1300	1490
Max. inlet air speed (m/s)	17	17,5	38	58	59	42	42	27	15	39	36	27	34
Inlet air flow rate at max inlet air	135	209	612	1620	2590	2700	2700	3060	2700	9900	12240	12060	19080
Flow curves	See reverse side												

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

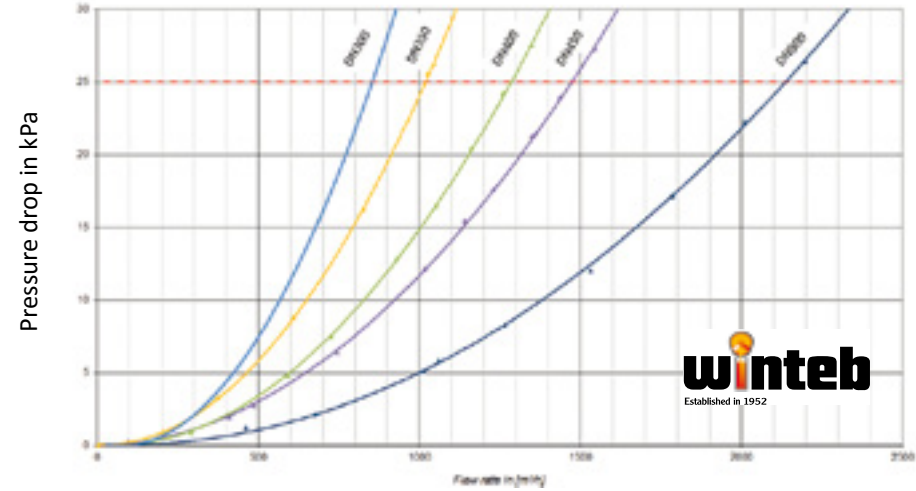
WIN2000 HIAS AIR PIPE HEADS: PRESSURE DROP VS. FLOW RATE CHARACTERISTICS

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 m³/h

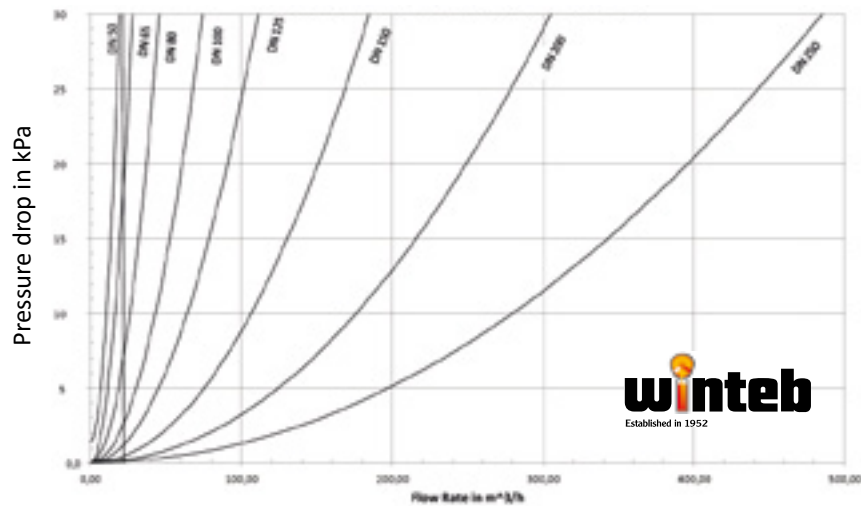
WIN2000 HIAS without screen sizes DN50-250



WIN2000 HIAS without screen size DN300-500



WIN2000 HIAS with screen mesh 18 sizes DN50-250



WIN2000 HIAS with screen mesh 18 size DN300-500

