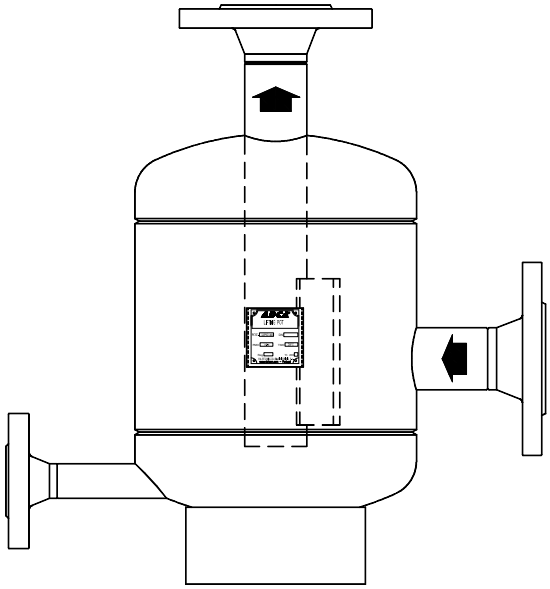
LIFTING POTS
LIPO



DESCRIPTION AND OPERATION

LIPO condensate lifting pots are used for rising condensate pipes eliminating steam and water hammering.
When the condensate is elevated to the condensate main in a higher level the flash steam that is formed after a steam trap when in contact with colder condensate condenses and steam bubbles implode, reducing its volume when passing to the liquid state. Vacuum is then formed suddenly which is filled again by incoming condensate causing water hammer.
The air and flash steam cushion formed in the upper part of the lifting pot absorb any chock while in the bottom the condensate operates as a sealing liquid.

OPTIONS:	Stainless steel construction.
USE:	Condensate lines where condensate has to be lifted.
SIZES:	DN 15 to DN100
CONNECTIONS:	Flanged EN 1092-1 PN40 or ANSI. Different connections on request.
CONSTRUCTION:	Carbon steel or stainless steel under request.
INSTALLATION:	Vertical installation (inlet/outlet angle connections) The differential pressure must be enough to overcome the pressure head and pipe friction.

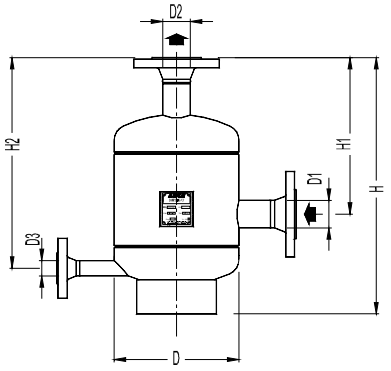
LIMITING CONDITIONS	
PS - Maximum Allowable Pressure	18 bar
TS - Maximum Allowable Temperature	250 ºC

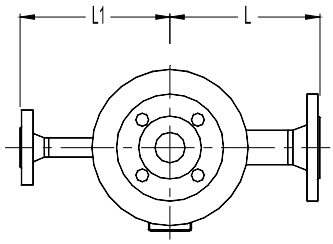
Minimum operating temp.: -10ºC. Design code: AD-Merkblatt
Other conditions and CE marking on request.

CE MARKING (PED - European Directive 97/23/EC)	
18bar	**Category**
DN 15 to 50	1 (CE Marked)
DN 65 to 100	2 (CE Marked)

DIMENSIONS (mm)										
DN	***H***	***H1***	***H2***	***L***	***L1***	***D***	***D1***	***D2***	***D3***	***WEIGHT ****
15	384	240	325	180	180	170	DN15	DN15	DN15	11
20	384	240	325	180	180	170	DN20	DN20	DN15	11
25	384	240	325	180	180	170	DN25	DN25	DN15	12
32	450	275	370	210	210	220	DN32	DN32	DN20	20
40	450	275	370	210	210	220	DN40	DN40	DN20	22
50	450	275	370	210	210	220	DN50	DN50	DN20	23
65	630	430	540	240	240	275	DN65	DN65	DN20	49
80	630	430	540	240	240	275	DN80	DN80	DN20	51
100	660	400	545	350	350	400	DN100	DN100	DN20	72

* Weight in kgs to be confirmed .





TYPICAL INSTALLATION