

LIFTING POTS LIPO

DESCRIPTION AND OPERATION

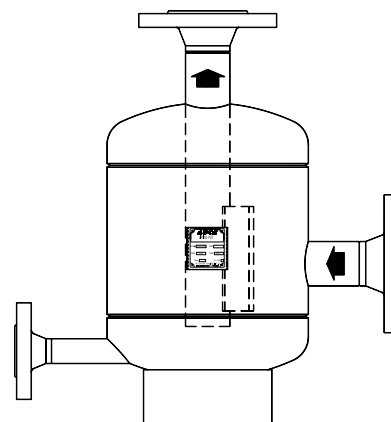
The LIPO series condensate lifting pots are used for rising condensate to elevated pipes, eliminating steam and water hammering.

When the condensate is elevated to the condensate main in a higher level, the flash steam formed at a steam trap's outlet condenses, due to contact with colder condensate and steam bubbles implode, reducing its volume while passing to the liquid state. Vacuum is then suddenly formed and, when filled again with the incoming condensate, it causes water hammer.

The air and flash steam cushion formed in the upper part of the lifting pot absorbs any shock, 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 DN 100.
- CONNECTIONS:** Flanged EN1092-1 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.



CE MARKING – GROUP 2 (PED – European Directive)		
PS12	PS18	Category
DN 15 to DN 50	DN 15 to DN 50	1 (CE marked)
DN 65 to DN 100	DN 65 to DN 100	2 (CE marked)

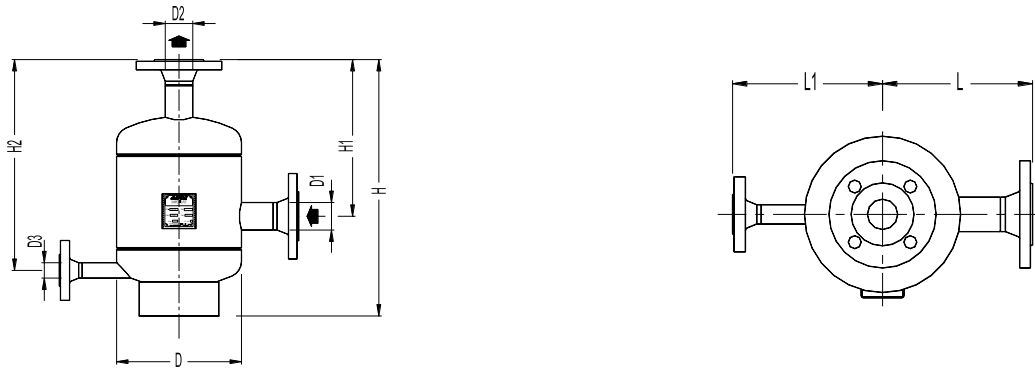
LIMITING CONDITIONS		
	Flanges PN16	Flanges PN40
PS – Maximum allowable pressure	12 bar	18 bar
TS – Maximum allowable temperature	250 °C	250 °C
Minimum operating temperature	- 10 °C	- 10 °C

Design code: AD-Merkblatt.

Other conditions on request.

DIMENSIONS (mm)										
SIZE DN	H	H1	H2	L	L1	D	D1	D2	D3	WGT. (kg) *
15	384	240	325	180	180	170	DN 15	DN 15	DN 15	9
20	384	240	325	180	180	170	DN 20	DN 20	DN 15	10
25	384	240	325	180	180	170	DN 25	DN 25	DN 15	11
32	450	275	370	210	210	220	DN 32	DN 32	DN 20	18,5
40	450	275	370	210	210	220	DN 40	DN 40	DN 20	19
50	450	275	370	210	210	220	DN 50	DN 50	DN 20	21
65	630	425	540	240	240	275	DN 65	DN 65	DN 20	35
80	630	400	540	240	240	275	DN 80	DN 80	DN 20	38
100	630	400	545	350	350	400	DN 100	DN 100	DN 20	72

* Weight to be confirmed.



TYPICAL INSTALLATION

