

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.

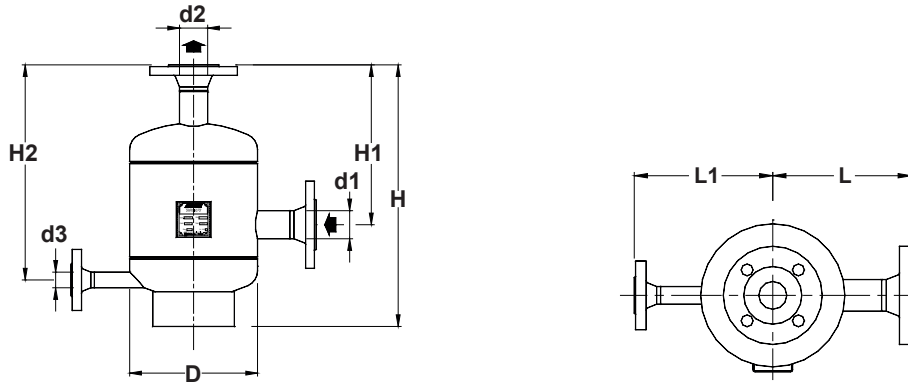


- OPTIONS:** Stainless steel construction.
- USE:** Condensate lines where condensate has to be lifted.
- AVAILABLE MODELS:** LIPO – carbon steel.
- SIZES:** DN 15 to DN 100.
- CONNECTIONS:** Flanged EN 1092-1 PN 16.
Flanged ASME B16.5 Class 150.
- INSTALLATION:** Vertical installation (inlet/outlet angle connections).
The differential pressure must be enough to overcome the pressure head and pipe friction.
See IMI – Installation and maintenance instructions.

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		
	PN 16	PN 40
PS – Maximum allowable pressure	12 bar	18 bar
TS – Maximum allowable temperature	250 °C	250 °C

Min. operating temp.: -10 °C; Design code: AD-Merkblatt.
Other conditions on request.



DIMENSIONS (mm)

SIZE	H	H1	H2	L	L1	D	d1	d2	d3	WEIGHT (kg) *
DN 15	384	240	325	180	180	170	DN 15	DN 15	DN 15	9
DN 20	384	240	325	180	180	170	DN 20	DN 20	DN 15	10
DN 25	384	240	325	180	180	170	DN 25	DN 25	DN 15	11
DN 32	450	275	370	210	210	220	DN 32	DN 32	DN 20	18,5
DN 40	450	275	370	210	210	220	DN 40	DN 40	DN 20	19
DN 50	450	275	370	210	210	220	DN 50	DN 50	DN 20	21
DN 65	630	425	540	240	240	275	DN 65	DN 65	DN 20	35
DN 80	630	400	540	240	240	275	DN 80	DN 80	DN 20	38
DN 100	630	400	545	350	350	400	DN 100	DN 100	DN 20	72

* Weight to be confirmed.

TYPICAL INSTALLATION

