

LIFTING POT LIPO

DESCRIPTION

The LIPO series of condensate lifting pots are designed for installation in steam and condensate systems. They are particularly used in condensate lines where condensate must be transported without causing water hammers and noise and lifted to elevated condensate mains.

When condensate is lifted to an elevated condensate mains, the flash steam formed at the outlet of the steam trap will condense due to sudden contact with condensate at a much lower temperature. The steam bubbles implode, reducing their volume while passing to the liquid state. Vacuum is then suddenly formed pulling violently the surrounding condensate which causes pressure shocks and water hammer.

The LIPO prevents this phenomenon from happening, by maintaining an air and flash steam cushion in the upper part of the lifting pot to absorb these shocks, while in the bottom the condensate operates as a sealing liquid. The condensate flowing inside the LIPO is thus pushed by the pressure inside to the elevated condensate mains.

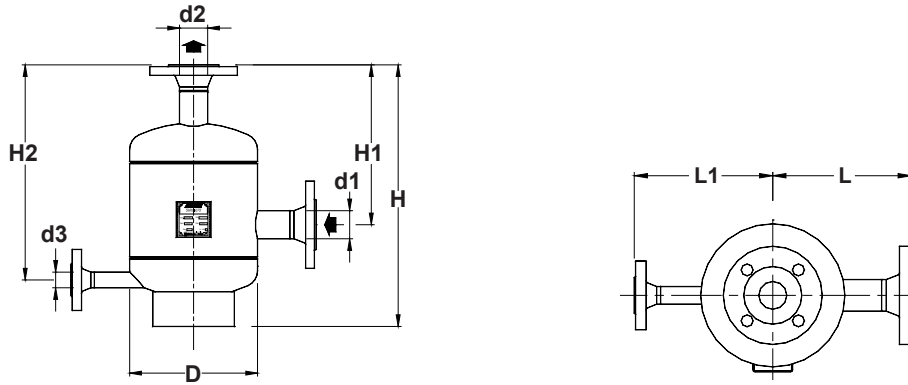
- OPTIONS:** Stainless steel construction.
- USE:** Condensate lines where condensate has to be lifted.
- AVAILABLE MODELS:** LIPO – carbon steel.
- SIZES:** DN 15 to DN 100.
- CONNECTIONS:** Flanged EN 1092-1 PN 16.
Flanged ASME B16.5 Class 150.
- INSTALLATION:** Horizontal installation. Horizontal inlet and vertical outlet. 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
PMA – Max. allowable pressure	12 bar	18 bar
TMA – Max. 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

