

Free Floating Guided Lever Drain Traps

For Loads to 19 000 kg/h...Pressures to 69 bar

Armstrong's forged steel, free-floating guided lever drain traps use the same bodies, caps, lever mechanisms, valves and seats of Armstrong inverted bucket steam traps that have been proven in years of service. Elliptical floats and high leverage make it possible to open large orifices to provide adequate capacity for drain trap size and weight.

The hemispherical valve, seat and leverage of the 32-LD, 33-LD and 36-LD stainless steel traps are identical in design, materials and workmanship to those for saturated steam service up to 69 bar with the exception of the addition of a guidepost to assure a positive, leaktight valve closing under all conditions.

Table LD-397-1. 30-LD List of Materials					
Model No.	Valve & Seat	Leverage System	Float	Body & Cap	Gasket
32-LD 33-LD 36-LD	Stainless Steel			Forged Steel ASTM A105	Compressed Asbestos-free

For information on special materials, consult the Armstrong Application Engineering Department.

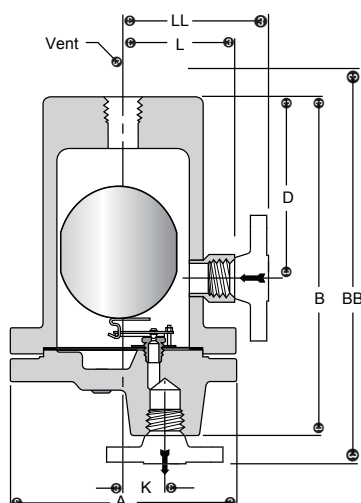


Figure LD-397-1.

Models 32-LD, 33-LD and 36-LD forged steel guided lever drain trap. Socketweld or flanged connections are also available.



Table LD-397-2. 30-LD Physical Data (dimensions in mm)			
Model No.	Forged Steel		
	32-LD †	33-LD †	36-LD †
Pipe Connections	15 – 20 – 25	15 – 20 – 25	40 – 50
"A"	171	203	302
"B"	259	295	435
"BB" (PN100*)	300 – 305	343 – 349 – 355	500 – 505
"D"	141	154	229
"K"	32	37	54
"L"	86	98	154
"LL" (PN100*)	127 – 132	145 – 153 – 159	198 – 204
Weight in kg (screwed & SW)	14	22	74
Weight in kg (flanged PN100*)	15,8 – 17,8	25,0 – 26,0	83,2 – 87,2
Maximum Allowable Pressure (Vessel Design)††	41 bar @ 38°C 35 bar @ 400°C	69 bar @ 38°C 41 bar @ 400°C	

Note: Vessel design pressure may exceed float collapse pressure in some cases.

Pipe size of vent connection is same as that of inlet and outlet connections.

† Available in Type 316 stainless steel. Consult factory.

†† May be derated depending on flange rating and type.

* Other flange sizes, ratings and face-to-face dimensions are available on request.

Shade indicates products that are CE Marked according to the PED (97/23/EC). All the other models comply with the Article 3.3 of the same directive.

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.