



Stainless Steel Sump Ejector

Armstrong offers a stainless steel sump ejector for use in draining unwanted water from steam pits, steam tunnels or enclosed spaces. The Sump Ejector uses a snap-acting Inconel X-750 spring-assisted mechanism, which engages a steam motive valve, turning the pump on or off as the float rises and falls. The all stainless steel design will ensure long life in the rather harsh environment of a steam pit.

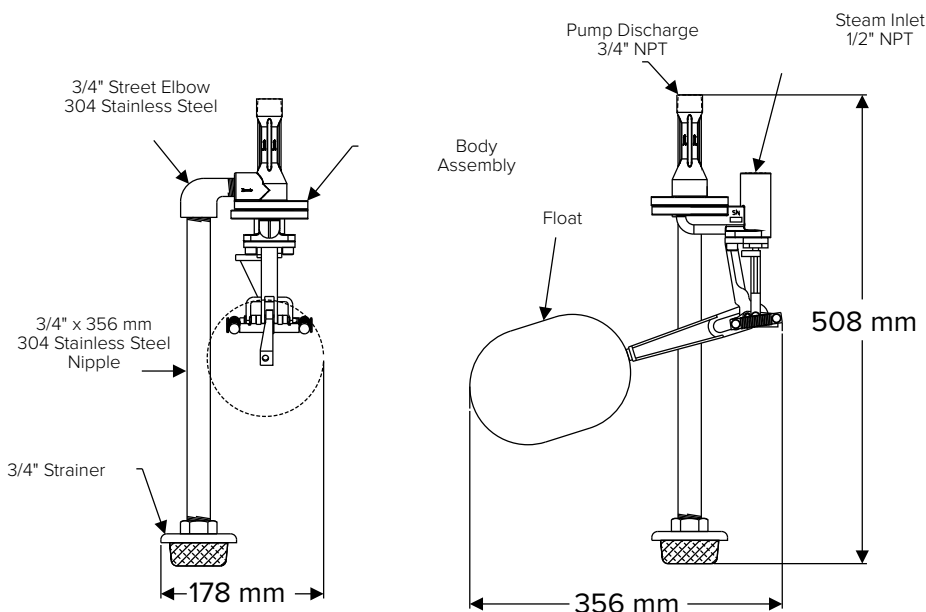
The Sump Ejector is designed to eliminate maintenance headaches and safety issues surrounding steam pits, tunnels and enclosed spaces.

Features

- All stainless steel construction and design guard against corrosion
- True steam-on, steam-off operation
- Heavy duty Inconel X-750 springs provide a long, trouble-free service life
- The small, compact and unique cast stainless steel design is unlike anything on the market today

Options

- 1 1/2" stainless steel sump ejector available, please consult factory



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

Stainless Steel Sump Ejector

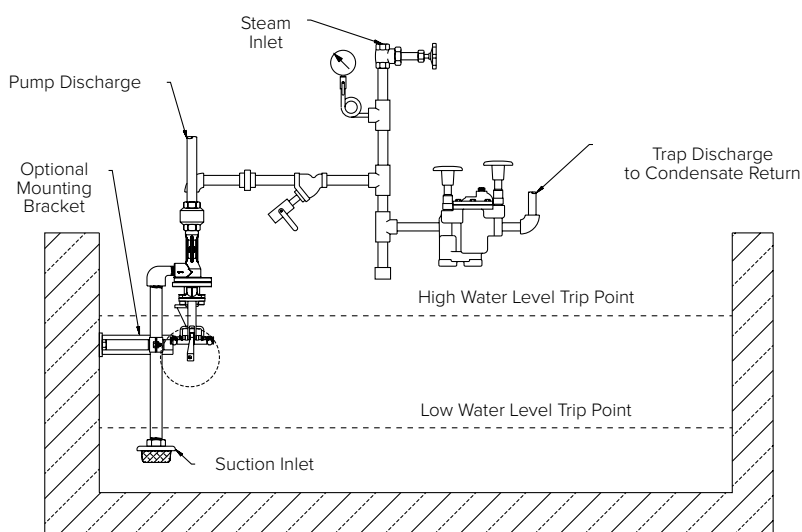
Table ANC-383-1. Sump Ejector Materials

Name of Part	Material
Mechanism	ASTM A351 CF8M
Springs	Inconel X-750
Springs Ends	304 Stainless Steel
Clevis Pins	304 Stainless Steel
Body	ASTM A351 CF8M
Nozzle	308 Stainless Steel
Seat Retainer	303 Stainless Steel
Motive Ball	440-C Stainless Steel
Motive Valve	316 Stainless Steel
Rod Seal	PTFE
Seal Spring	Hastelloy C-276
Rod Wiper	Nitrile
O-Ring	EPDM
Bolts	18-8 Stainless Steel
Strainer Body	Glass filled nylon
Strainer Mesh	Stainless Steel
Fittings	304 Stainless Steel
Pipe	304 Stainless Steel

Table ANC-383-2. Sump Ejector Capacities in m³/h

Discharge Head (cm)	Water Temperature 16°C						Water Temperature 38°C						Water Temperature 60°C				
	Motive Steam Pressure barg						Motive Steam Pressure barg						Motive Steam Pressure barg				
	3	4	6	7	8	10	3	4	6	7	8	10	4	6	7	8	10
0	1,4	2,12	2,64	2,78	2,92	2,94	1,4	2,05	2,10	1,96	1,82	1,82	1,25	1,21	1,23	1,25	1,25
150	0,9	1,66	2,26	2,53	2,71	2,83	0,7	1,62	1,87	1,85	1,78	1,78	1,03	0,98	1,21	1,23	1,23
300	0,5	1,19	1,89	2,28	2,51	2,71	—	1,19	1,64	1,76	1,73	1,73	0,80	0,75	1,19	1,19	1,19
460	—	0,73	1,50	2,03	2,30	2,62	—	0,75	1,41	1,64	1,66	1,69	—	0,52	1,16	1,16	1,16
610	—	—	1,14	1,75	2,10	2,51	—	—	1,19	1,53	1,62	1,66	—	0,30	1,14	1,12	1,12
760	—	—	—	1,53	1,89	2,39	—	—	—	1,41	1,55	1,62	—	—	1,12	1,09	1,09
910	—	—	—	1,28	1,69	2,28	—	—	—	1,30	1,50	1,57	—	—	1,09	1,05	1,05
1 070	—	—	—	—	1,48	2,17	—	—	—	—	1,46	1,53	—	—	—	1,03	1,03
1 220	—	—	—	—	1,28	2,07	—	—	—	—	1,39	1,50	—	—	—	0,98	0,98
1 370	—	—	—	—	—	1,96	—	—	—	—	—	1,46	—	—	—	—	0,96
1 520	—	—	—	—	—	1,85	—	—	—	—	—	1,41	—	—	—	—	0,91

Note: Maximum operating pressure is 12 bar. No increase in capacity with motive pressure over 10 bar. This model comply with the article 4.3 of the PED (2014/68/UE).



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