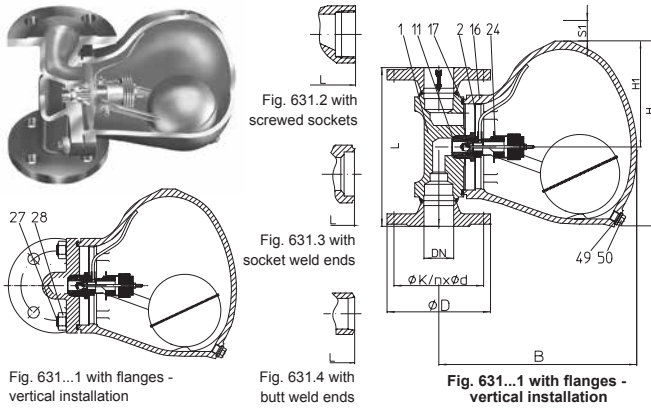


Ball Float Steam Trap - ANSI 150/300

Fig. 631



- Ball Float steam trap with level control for the condensate-discharge from all kinds of steam systems
- Rapid system start-up due to thermostatic control element
- Standard installation position: vertical
- Special installation position: horizontal with inlet from right or left (Please indicate when ordering)
- Integrated strainer
- Integrated non return protection
- The exchange of the controller is possible without disturbing the pip connections Options: Air vent (Pos. 51) or blow down valve (Pos. 46), manual operated



Dimensions & Weight		Type of Connection																		
		Flanges							Screwed Sockets ¹ Socket weld ends ²					Butt weld ends ²						
Size (inch)		1/2	3/4	1	1 1/2	2	2 1/2 ²⁾	3 ²⁾	4 ²⁾	1/2	3/4	1	1 1/2	2 ¹⁾	1/2	3/4	1	1 1/2	2	
Dimension (inch)	L*	8.27	8.27	8.27	9.06	9.06	11.42	12.20	13.78	5.91	5.91	6.30	8.27 ³⁾	8.27	6.30	6.30	6.30	6.30	9.84	9.84
	H	6.38	6.38	7.36	10.63	10.63	10.63	10.63	10.63	6.38	6.38	7.36	10.63	10.63	6.38	6.38	7.36	10.63	10.63	
	H1	3.35	3.35	4.02	5.94	5.94	5.94	5.94	5.94	3.35	3.35	4.02	5.94	5.94	3.35	3.35	4.02	5.94	5.94	
	B	6.57	6.57	7.72	11.22	11.22	11.22	11.22	11.22	6.57	6.57	7.72	11.22	11.22	6.57	6.57	7.72	11.22	11.22	
	B1	3.74	3.74	4.65	6.18	6.18	6.18	6.18	6.18	3.74	3.74	4.65	6.18	6.18	3.74	3.74	4.65	6.18	6.18	
withdrawal distance	S	7.09	7.09	7.87	11.81	11.81	11.81	11.81	11.81	7.09	7.09	7.87	11.81	11.81	7.09	7.09	7.87	11.81	11.81	
	S1	5.91	5.91	7.09	7.87	7.87	7.87	7.87	7.87	5.91	5.91	7.09	7.87	7.87	5.91	5.91	7.09	7.87	7.87	
Weight approx. (lb)		17.4	17.9	24.0	54.5	55.8	60.0	64.4	72.1	16.1	16.1	18.7	44.1	45.2	15.2	17.4	19.8	46.3	48.5	

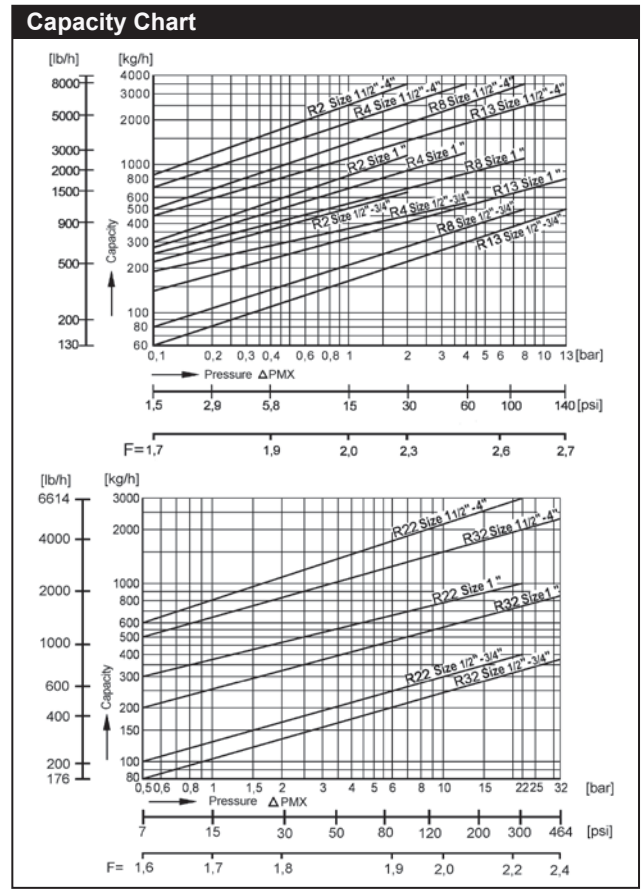
* other face-to-face dim. on request ¹⁾2" not for cast iron/spher.st ²⁾not for cast iron/spher.st ³⁾at spheroid steel: L = 9"

Part	Description	ASTM /AISI	ASTM /AISI
1	Body	SA 105	SA 182 F 321
2	Strainer	SA 240 Gr. 304	SA 240 Gr. 304
11	Sealing ring (Body/Seat)*	R-Cu99	SA 182 F 321
16	Hood	SA 216 WCB	SA 351 CF-8
17	Gasket (Body/Hood)*	CrNi laminated both sides with pure graphite	
24	Controller*	SA 240 Gr. 304 bimetal TB 102/85	SA 240 Gr. 304 bimetal TB 102/85
27	Studs	SA 193 Gr. B16 ⁴⁾	SA 182 F 321 ⁴⁾
28	Hexagon nuts	SA 194 Gr. 4 ⁴⁾	SA 182 F 321 ⁴⁾
46	Blow down valve	AISI 303	AISI 303
49	Sealing ring for plug*	R-Cu99	SA 182 F 321
50	Plug	SA 193 Gr. B16 ⁴⁾	SA 182 F 321 ⁴⁾
51	Manual air vent valve	AISI 303	SA 182 F 321

* Spare parts ⁴⁾ with metric screw-thread

Types of Connection	
Flanges...1	ANSI 150/300 RF
Screwed sockets...2	R- and NPT-thread
Socket weld ends...3	
Butt weld ends...4	
Other types of connection on request.	

ANSI150 Fig. 42.631	Operating Limits						
ANSI300 Fig. 45.631							
Body: SA105 Hood: SA 216WCB							
Max. temperature (°F) ANSI150	n.a.	n.a.	437	680	800	800	
Max. temperature (°F) ANSI300	771	800	800	800	800	800	
Controller unit permissible ΔP (psi)	Sizes 1/2" to 4"	R32 464	R22 319	R13-S 189	R8-S 116	R4-S 58	R2-S 29



The capacity chart shows the maximum flow quantities of hot condensate for the different controllers & steam trap sizes. The steam traps are equipped as standard with controllers for a maximum differential pressure of 13 resp. 32 bar. For the discharge of greater condensate quantities at low differential pressure controllers for 2, 4, 8 resp. 22 bar can be supplied.

*last updated 10/16