



2011C Inverted Bucket Steam Trap

All wetted parts stainless steel
For Pressures to 400 psig (28 barg)...Capacities to 880 lb/hr (400 kg/hr)

Wear and Corrosion Resistance

The free-floating guided lever mechanism prevents excessive wear due to friction. Stainless steel construction provides years of durable, corrosion-free service.

Virtually No Steam Loss

Steam does not reach the water-sealed discharge valve.

Dependable Operation

The simple, direct operation of the bucket eliminates sticking, binding or clogging. As the valve opens, air and condensate are trapped and removed.

Description

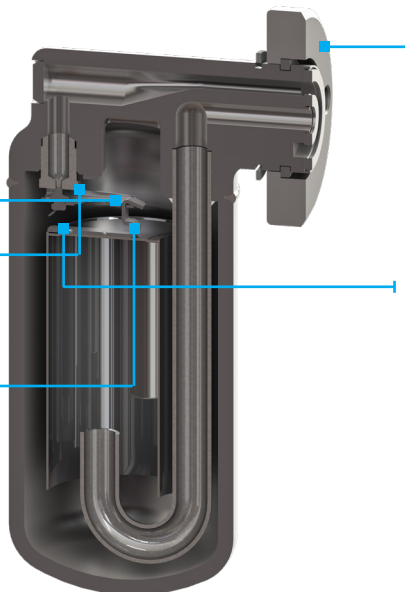
With the 2011C 360° universal connector, you can install inverted bucket efficiency and long service life in any piping configuration with little or no re-piping. You get the reliability of the inverted bucket operating principle, plus all the benefits of all-stainless steel construction:

- A sealed, tamperproof package
- A compact, lightweight trap
- Continuous air venting
- The ability to withstand freeze-ups without damage
- Exceptional corrosion resistance
- A five-years guarantee against defective materials, defective workmanship.
- **Freedom From Dirt Problems** - Condensate flow under the bottom edge of the bucket keeps sediment and sludge suspended until it is discharged with the condensate. Valve orifice opens wide and closes tightly. No buildup of dirt or close clearances are affected by scale.
- **Resistance to Damage From Water Hammer** - Open bucket or float will not collapse as a result of water hammer.
- **Excellent Operation Against Back Pressure** - Since trap operation is governed by the difference in density of steam and water, back pressure in the return line has no effect on the ability of the trap to open for condensate and close against steam.

2011C steam traps combine savings in three important areas: energy, installation and replacement. The 360° universal connector provides quick, easy in-line replacement along with all the proven advantages of inverted bucket operation.

Also available with optional:

- IS-2 connector with integral strainer and with and without blowdown valve.
- TVS4000 with strainer and inlet and outlet isolation valve, test and blowdown valve.



Flange for 360° Universal 304 Stainless Steel Connector

The flanged stainless steel connector provides easy in-line replacement. The 2011C is also available with Armstrong's IS-2 integral connector with integral strainer.

Continuous Air and CO₂ Venting

The vent in the top of the bucket provides continuous air and CO₂ venting with no cooling lag, threat of air binding, or steam loss.

Connections

Screwed NPT and BSPT
Socketweld
Flanged (consult factory)

Materials

Body, Shell & Cap – ASTM A-351 Gr. CF8M: Stainless steel-316
Internals: All stainless steel-304
Valve and seat: Hardened chrome steel 17-4PH
Connector body (std & IS-2): Stainless steel-304

Maximum Operating Conditions

Maximum allowable pressure (vessel design):
Model 2011C: 400 psig @ 800°F (28 barg @ 427°C)

Maximum operating pressure:
Model 2011C: 400 psig (28barg)

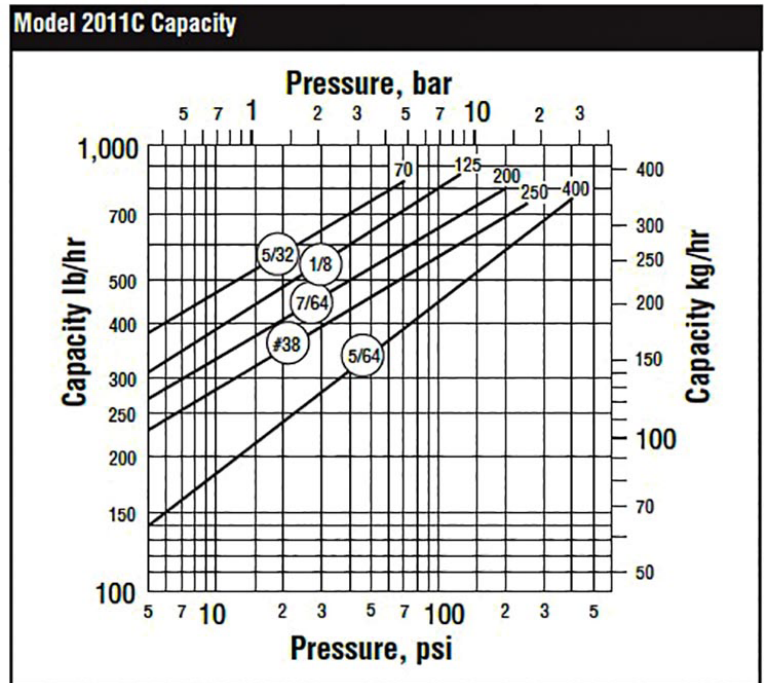
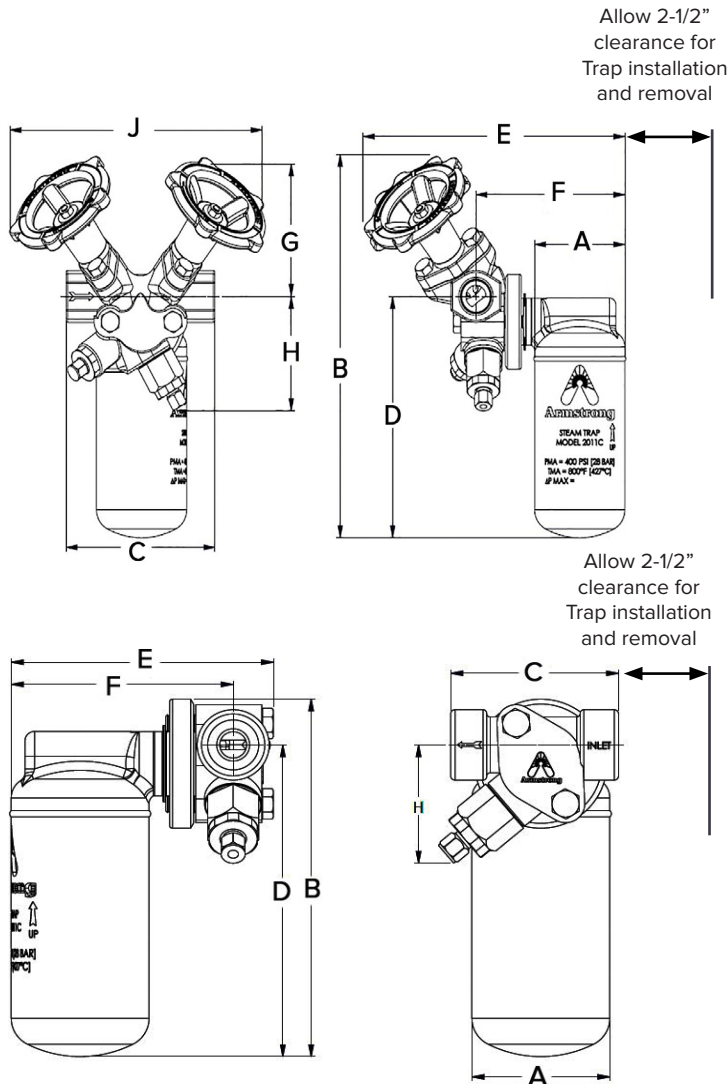


Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit armstronginternational.com for up-to-date information.



2011C Inverted Bucket Steam Trap

All wetted parts stainless steel
For Pressures to 400 psig (28 barg)...Capacities to 880 lb/hr (400 kg/hr)



IB2011C Steam Trap Dimensions

Pipe Connection	TVS4000 with IB2011C		IS2 Connector with IB2011C	
	inch	mm	inch	mm
	1/2. 3/4	15, 20	1/2. 3/4	15, 20
"A" Diameter	2.9	73	2.9	73
"B" Total Height	11.1	282	7.6	193
"C" Face to Face	4.7	120	3.5	89
"D" Bottom to Center Height	7.0	177	6.6	169
"E" Total Width	8.3	212	5.5	139
"F" Trap End to Connector Center	4.7	120	4.6	118
"G" Connector Center to Handwheel Center	3.8	97	-	-
"H" Connector Center to Blowdown Height	3.3	84	2.5	64
"J" Total Handwheel length - Open position	8.8	222	-	-
Weight, SCR or SW in LB (Kg)	12 (5.4)		6 (2.7)	

Designs, materials, weights and performance ratings are approximate and subject to change without notice. Visit armstronginternational.com for up-to-date information.