



# 1811N and 2011N Inverted Bucket Steam Trap

## All Stainless Steel, Non-metallic seat for tracer service

For Pressures to 200 psig (14 bar)...Capacities to 900 lb/hr (410 kg/hr)

### Description

With the 2000N Series' 360° universal connector or the in-line 1800N Series inverted bucket, copper oxide plugging problems can be eliminated. High pressure steam and condensate will dissolve copper tracing without proper amine treatment. The copper in solution precipitates out as copper oxide when it flashes through the steam trap orifice, depositing and eventually plugging the opening. The non-metallic seat eliminates the electrolytic attraction between the dissimilar metals. The copper oxide stays in suspension and flushes away with the condensate return. In addition, you get the reliability and energy efficiency of the inverted bucket design with the benefits of all-stainless steel construction.

- A sealed, tamperproof package
- A compact, lightweight trap
- Ability to withstand freeze-ups without mechanical failure
- Exceptional corrosion resistance
- A three-year guarantee against defective materials and workmanship

### Maximum Operating Conditions

Maximum allowable pressure

Model 1811N 400 psig @ 800°F (28 bar @ 427°C)  
 Model 2011N 400 psig @ 800°F (28 bar @ 427°C)

Maximum operating pressure:

Model 1811N 200 psig @ 450°F (14 bar @ 232°C)  
 Model 2011N 200 psig @ 450°F (14 bar @ 232°C)

### Materials

Body: ASTM A240 Grade 304L  
 Internals: All stainless steel  
 Valve: Hardened chrome steel 17-4PH  
 Seat: Non-metallic

### 2011N 360° Universal, 2-bolt, Connector Styles

- Standard 2-bolt connector
- IS-2 connector including integral strainer with optional blowdown valve
- TVS 4000 Trap Valve Station

### 1811N Connections

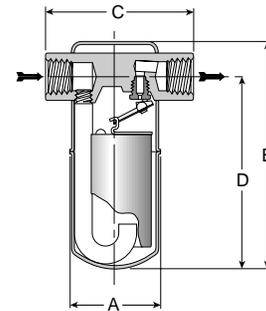
- 1/2" or 3/4", NPT or SW

### Specification

Inverted bucket steam trap. Stainless steel construction, stainless steel valve with non-metallic seats, freeze resistant, continuous air venting.

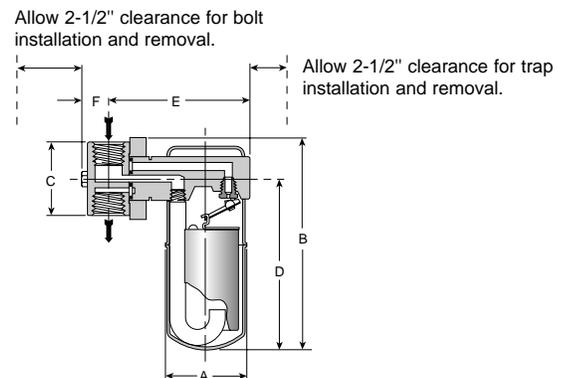
### How to order

- Specify model
- Select connection size or type of connector
- Maximum working pressure or orifice size



Model 1811N Trap

1811N Inverted Bucket Steam Trap				
Model No.	1811N			
	in	mm	in	mm
Pipe Connections	1/2	15	3/4	20
"A" (Diameter)	2-11/16	68	2-11/16	68
"B" (Height)	6-5/16	160	6-9/16	167
"C" (Face to Face)	4-5/16	110	4-5/16	110
"D" (Bottom to $\varnothing$ Inlet)	5-7/16	138	5-9/16	141
Weight lb (kg)	2 (0.9)		2-3/8 (1.1)	



Model 2011N Trap With Standard Connector

2011N Inverted Bucket Steam Trap		
Model No.	2011	
	in	mm
Pipe Connections	1/2, 3/4	15, 20
"A" (Diameter)	2-11/16	68
"B" (Height)	6-15/16	176
"C" (Face to Face)	2-3/8	60
"D" (Bottom to $\varnothing$ )	5-9/16	141
"E" ( $\varnothing$ to Outside)	4-9/16	115
"F" ( $\varnothing$ to Bolt)	1	25
Weight lb (kg)	4-1/2 (2.0)	

See over for capacities.

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