

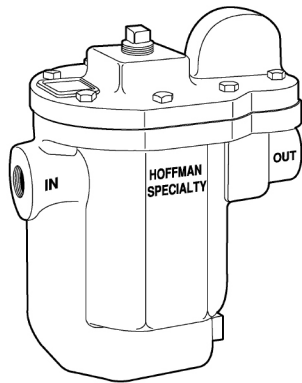


**Bell & Gossett**  
a xylem brand

**SUBMITTAL**

**HS-246A**

<b>JOB:</b>	<b>REPRESENTATIVE:</b>	
<b>UNIT TAG:</b>	<b>ORDER NO.</b>	<b>DATE:</b>
<b>ENGINEER:</b>	<b>SUBMITTED BY:</b>	<b>DATE:</b>
<b>CONTRACTOR:</b>	<b>APPROVED BY:</b>	<b>DATE:</b>



**Hoffman Specialty®**



**Series B3 1" NPT  
Inverted Bucket  
Steam Traps**

**SCHEDULE**

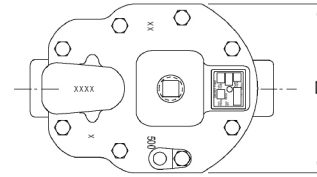
PART NUMBER	MODEL NUMBER	SIZE NPT INCHES	FEATURES	INLET PRESS. psi (bar)	DIFF. PRESS. psi (bar)	FLOW RATE lb/hr (kg/hr)	TAGGING INFORMATION	QUANTITY
404424	B3015A-4	1	Basic					
404425	B3030A-4	1	Basic					
404426	B3075A-4	1	Basic					
404427	B3125A-4	1	Basic					
404428	B3180A-4	1	Basic					
404429	B3250A-4	1	Basic					
404430	B3015S-4	1	w/Strainer					
404431	B3030S-4	1	w/Strainer					
404432	B3075S-4	1	w/Strainer					
404433	B3125S-4	1	w/Strainer					
404434	B3180S-4	1	w/Strainer					
404435	B3250S-4	1	w/Strainer					
404436	B3015T-4	1	w/Thermic Vent					
404437	B3030T-4	1	w/Thermic Vent					
404438	B3075T-4	1	w/Thermic Vent					
404439	B3125T-4	1	w/Thermic Vent					
404440	B3180T-4	1	w/Thermic Vent					
404441	B3250T-4	1	w/Thermic Vent					
404442	B3015B-4	1	w/Str & Therm Vent					
404443	B3030B-4	1	w/Str & Therm Vent					
404444	B3075B-4	1	w/Str & Therm Vent					
404445	B3125B-4	1	w/Str & Therm Vent					
404446	B3180B-4	1	w/Str & Therm Vent					
404447	B3250B-4	1	w/Str & Therm Vent					

# B3 1" NPT Inverted Bucket Steam Traps

HS-246(A)

## MATERIALS OF CONSTRUCTION

Part	Specifications
Body and cover	Cast Iron 30,000 psi tensile
Valve Pin and Seat	Stainless Steel (Hardened)
Bucket	Stainless Steel
Lever Assembly	Stainless Steel
Cover Bolts	Grade 5 Steel



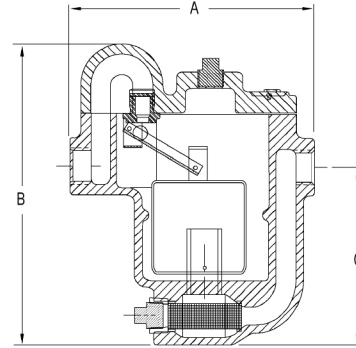
## RATINGS

NPT Size In.	Max. Operating Pressure psig (bar)	Maximum Temperature °F (°C)
1	250 (17.3)	406 (208)

Meets Mil Specification A-A-60001 Type I, Style B, Class 1 - 7.

## DIMENSIONS, in. (mm)

Series	NPT Size in.	A	B	C	D	Weight (Approx.) lbs. (kg)
B3	1	9-7/16 (239)	11-5/8 (294)	6-7/8 (174)	6-9/16 (166)	35 (16)



## Capacities (Gross Ratings)

Seat Pressure psi (bar)	Orifice Size in. (mm)	Differential Pressure psig (bar)																
		1/2 (.035)	1 (0.07)	2 (0.14)	5 (0.35)	10 (0.69)	15 (1.0)	20 (1.4)	30 (2.1)	40 (2.8)	50 (3.5)	60 (4.2)	75 (5.2)	100 (6.9)	125 (8.6)	180 (12.4)	200 (13.8)	250 (17)
		Capacity lbs./hr. (kg/hr)																
15 (1.0)	.500 (12.7)	1450 (658)	1850 (839)	2300 (1043)	3050 (1383)	3700 (1678)	4100 (1860)	-	-	-	-	-	-	-	-	-	-	-
30 (2.1)	.375 (9.53)	720 (327)	980 (435)	1340 (608)	2020 (916)	2760 (1252)	3300 (1497)	3750 (1701)	4470 (2028)	-	-	-	-	-	-	-	-	-
75 (5.2)	.281 (7.14)	500 (227)	680 (308)	915 (415)	1370 (621)	1860 (762)	2200 (998)	2500 (1134)	2980 (1352)	3370 (1529)	3720 (1687)	4050 (1837)	4460 (2023)	-	-	-	-	-
125 (8.6)	.250 (6.35)	435 (197)	590 (268)	800 (363)	1200 (544)	1630 (739)	1950 (885)	2220 (1007)	2665 (1209)	3020 (1370)	3325 (1508)	3600 (1633)	3970 (1801)	4540 (2059)	5000 (2268)	-	-	-
180 (10.4)	.219 (5.56)	300 (136)	415 (188)	570 (259)	870 (395)	1190 (540)	1440 (653)	1640 (744)	1970 (894)	2250 (1021)	2490 (1129)	2690 (1220)	2960 (1343)	3400 (1542)	3790 (1719)	4440 (2014)	-	-
250 (17)	.188 (4.78)	256 (116)	355 (161)	485 (220)	740 (336)	1010 (458)	1210 (549)	1390 (631)	1675 (760)	1900 (862)	2100 (953)	2285 (1036)	2535 (1150)	2890 (1311)	3200 (1452)	3780 (1715)	3980 (1805)	4340 (1969)



Xylem Inc.  
 8200 N. Austin Avenue  
 Morton Grove, Illinois 60053  
 Phone: (847) 966-3700  
 Fax: (847) 965-8379  
[www.bellgossett.com](http://www.bellgossett.com)