



SIB30 and SIB30H Stainless Steel Sealed Inverted Bucket Steam Traps

Description

The SIB30 and SIB30H are all stainless steel sealed inverted bucket steam traps.

Standards

These products fully comply with the requirements of the Pressure Equipment Directive (PED)

Certification

This product is available with certification to EN 10204 3.1.

Note: All certification/inspection requirements must be stated at the time of order placement.

Sizes and pipe connections

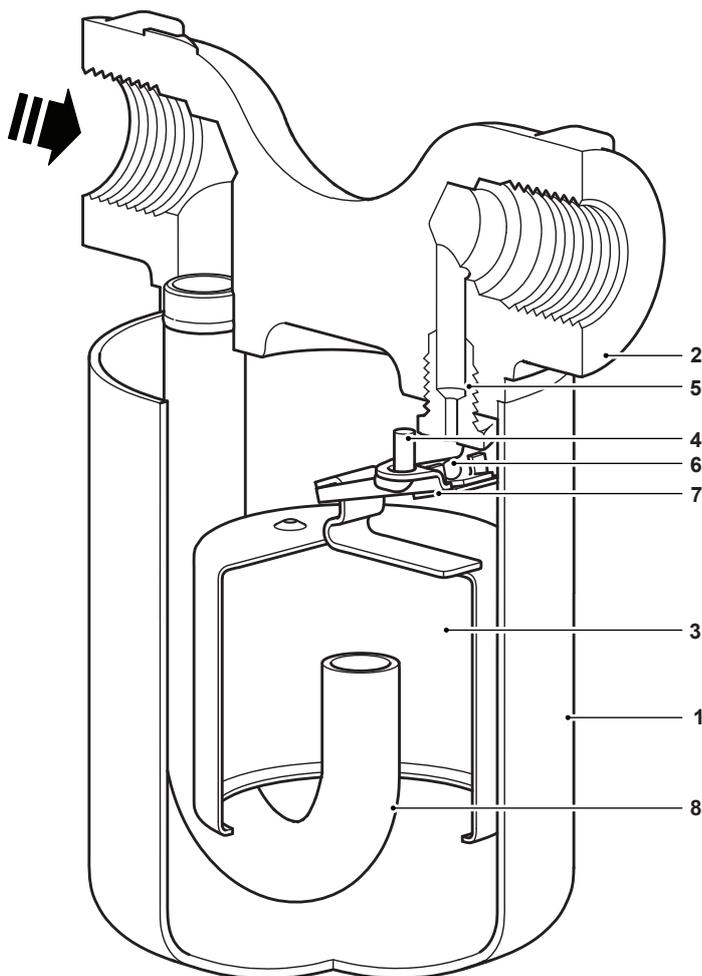
½" and ¾" screwed BSP or NPT.

DN15 and DN20 socket weld ends (BS 3799).

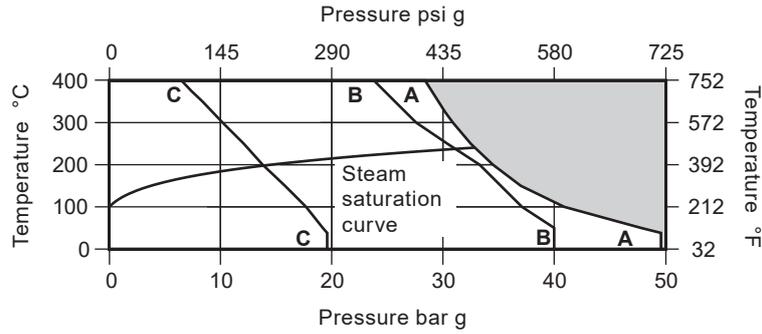
DN15 and DN20 flanged ASME 150, ASME 300 and EN 1092 PN40 as standard. Alternative flanges are also available, on request, with JIS tables 20, 16 and 10 connections.

Materials

No.	Part	Material	
1	Cover	Stainless steel	ASTM A240 Gr. 304
2	Body	Stainless steel	A182 F304
	Flanges	Carbon steel	Mat No. 1.0460 (C22.8)
3	Bucket	Stainless steel	BS 1449 321 S 12
4	Pivot pin	Stainless steel	BS 970 304 S 15
5	Valve seat	Stainless steel	AISI 440B
6	Valve	Stainless steel	AISI 440B
7	Valve lever	Stainless steel	BS 1449 321 S 12
8	Internal tube	Stainless steel	BS 3605 304 S 14



Pressure/temperature limits (ISO 6552)



The product **must not** be used in this region.

A - B Flanged ASME 300, screwed and socket weld

A - C Flanged EN 1092 PN40

A - D Flanged ASME 150

Body design condition		PN50	
PMA	Maximum allowable pressure	49 bar g @ 38 °C	711 psi g @ 100 °F
TMA	Maximum allowable temperature	400 °C @ 28 bar g	752 °F @ 406 psi g
Minimum allowable temperature		-29 °C	-20.2 °F
PMO	Maximum operating pressure for saturated steam service	30 bar g	435 psi g
TMO	Maximum operating temperature	400°C @ 28 bar g	752 °F @ 406 psi g
Minimum operating temperature		0 °C	32 °F

Note: For lower operating temperatures consult Spirax Sarco

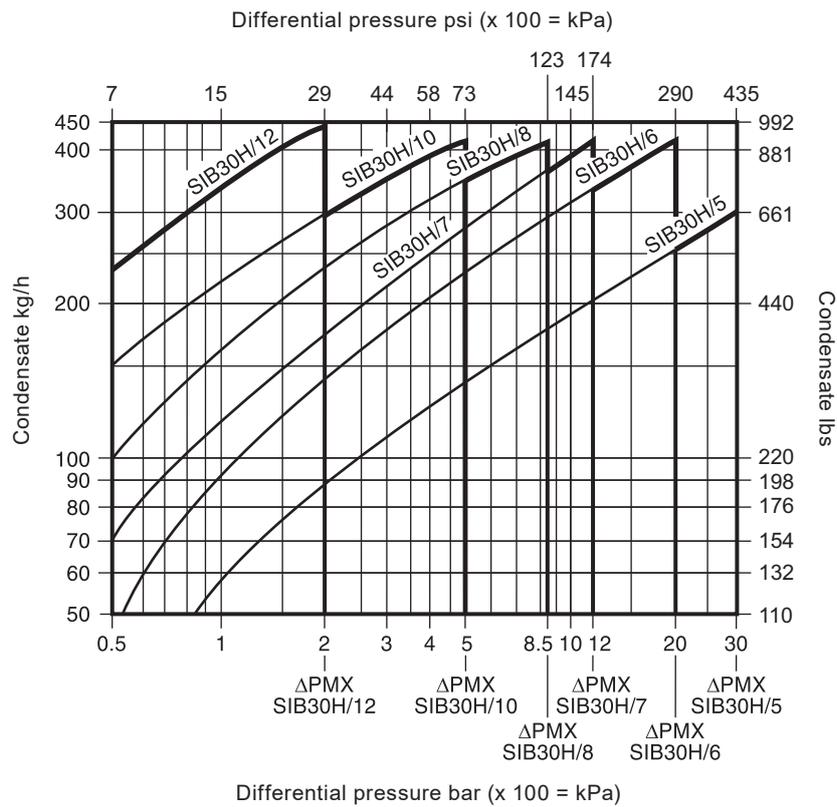
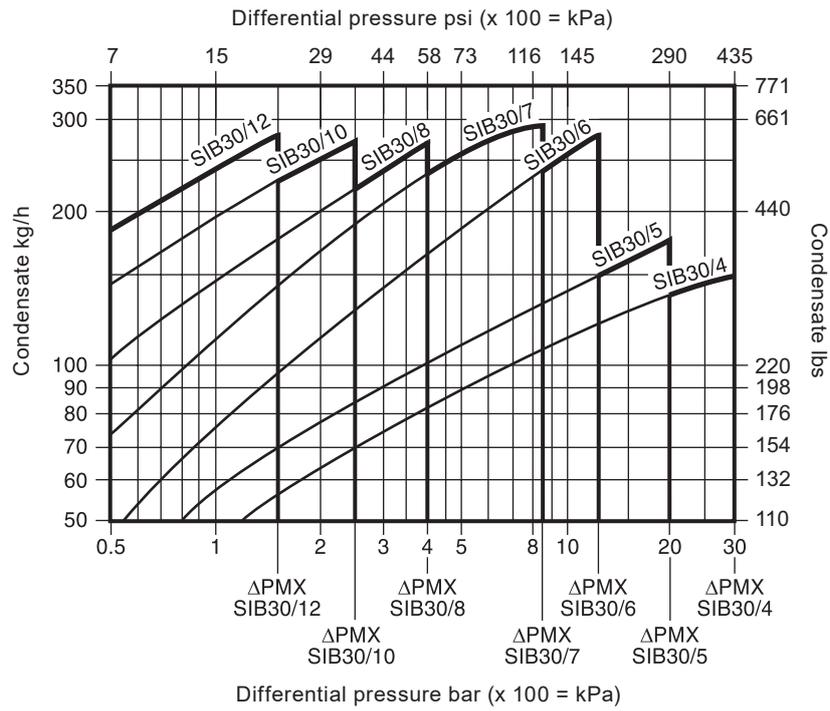
	30.0	SIB30/4	SIB30H/5
	20.0	SIB30/5	SIB30H/6
	12.0	SIB30/6	SIB30H/7
	8.5	SIB30/7	SIB30H/8
Δ PMX	5.0	-	SIB30H/10
	4.0	SIB30/8	-
	2.5	SIB30/10	-
	2.0	-	SIB30H/12
	1.5	SIB30/12	-

Product is safe for use under full vacuum conditions

Designed for a maximum cold hydraulic test pressure of 75 bar g 5.17 psi g

Capacities

Note: A trap should be selected for the most appropriate working pressure differential and not on the basis of load, e.g. 80 kg/h at 7 bar differential should be handled with the SIB30/7 and not the SIB30/4.



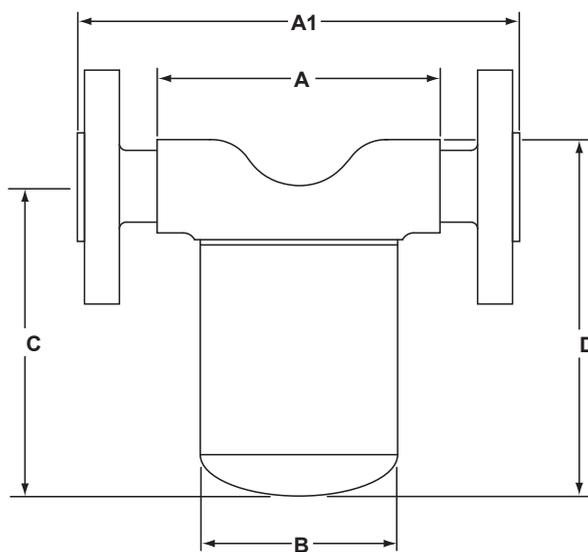
Dimensions/weights (approximate) in mm (inches) and kg (lbs)

SIB30

Size	A	A1	B	C	D	Weight	
						Scr/SW	Flg
DN15 - 1/2"	110 (4.33)	150 (5.91)	76 (3.0)	124 (4.88)	143 (5.63)	1.5 (3.31)	2.9 (6.39)
DN20 - 3/4"							

SIB30H

Size	A	A1	B	C	D	Weight	
						Scr/SW	Flg
DN15 - 1/2"	110 (4.33)	150 (5.91)	76 (3.0)	159 (6.26)	177 (6.97)	1.75 (3.86)	3.15 (6.94)
DN20 - 3/4"							



Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-P110-05) supplied with the product.

Installation note:

Install in a horizontal pipe, below the drain point. If installed in exposed positions, consideration should be given to insulating the trap.

How to order

Example: 1 off Spirax Sarco 1/2" screwed BSP SIB30/6 sealed inverted bucket steam trap.

Note: The cover (and flanges when specified) are welded to the body using the TIG process. Welds are approved in accordance with ASME section IX and BS EN 288.