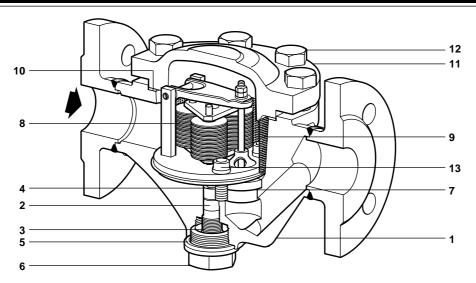


spirax /sarco

Cert. No. LRQ 0963008

ABL Series Bimetallic Steam Traps



Description

The ABL range of bimetallic steam traps are made of forged steel. They have a check valve, a built in strainer screen and an external device for adjusting the discharge temperature of the condensate. They are designed for high capacity constant pressure process applications.

These steam traps operate with no loss of steam and quickly drain air, non-condensable gases and large quantities of cold water on start-up.

Sizes and pipe connections

11/2" and 2" screwed BSP/NPT and socket weld ends (ANSI B 16.11) DN40 and DN50 with PN40, PN64, ANSI 150, ANSI 300 and ANSI 600 flanges

Limiting conditions

Lilling Conditions				
Body design conditions	Class 600			
	ABL405/ABL505 5 bar g			
DMO Maximum aparating procesure	ABL414/ABL514 14 bar g			
PMO - Maximum operating pressure	ABL425 / ABL525 25 bar g			
	ABL440/ABL540 40 bar g			
TMO - Maximum operating temperatu	re 400°C			
Minimum operating pressure 0.1				
ΔPMX - The back pressure for correct operation must not exceed 90% of the upstream pressure.				

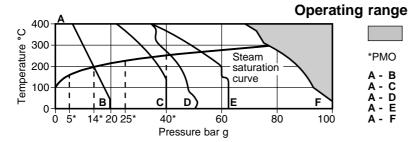
Designed for a maximum cold hydraulic test pressure of 150 bar g

Materials

Materials						
No	. Part		Material			
1	Body su	ıb assembly	Steel	ASTM A105 N		
2	Gland packing		Graphite			
3	Gland nut		Stainless steel	ASTM A276 316L		
4	Adjustm	ent pin	Stainless steel	ASTM A276 316L		
		ABL405/ABL505	Copper/graphit	e		
5	Cap gasket	ABL414/ABL514	Copper/graphit	e		
		ABL425/ABL525	Copper/graphite			
		ABL440/ABL540	Stainless steel/	graphite		
6	Сар		Steel	ASTM A105		
7	Element gasket		Graphite/stainless steel			
8	Bimetall	ic element	Stainless steel			
9	Strainer	screen	Stainless steel AISI 3			
		ABL405/ABL505	Copper/graphit	е		
10	Cover gasket	ABL414/ABL514	Copper/graphit	е		
		ABL425/ABL525	Copper/graphit	е		
		ABL440/ABL540	Stainless steel/	graphite		
11	Cover		Steel	ASTM A105		
12	2 Cover bolt		Steel	ASTM A193 B7		
13	Elemen	t screw	Steel			

Certification

This product is available with certification to EN 10204 3.1.B. **Note:** All certification/inspection requirements must be stated at the time of order placement.



The product must not be used in this region.

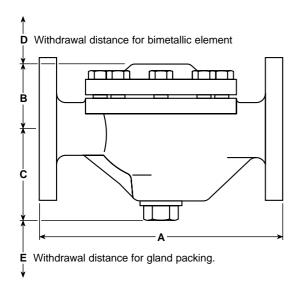
*PMO Maximum operating pressure (see Limiting conditions).

A - B Flanged ANSI 150 A - C Flanged PN40

A - D Flanged ANSI 300 A - E Flanged PN64

A - F Flanged ANSI 600, screwed and socket weld

Dimensions/weights (approximate) in mm and kg



Size	Connections	Α	В	С	D	Е	Weight
11/2"-2"	BSP/NPT/SW	270	75	100	150	100	13.0
	PN40	270	75	100	150	100	17.0
	PN64	290	75	100	150	100	20.0
DN40	ANSI 150	270	75	100	150	100	15.0
	ANSI 300	270	75	100	150	100	18.0
	ANSI 600	290	75	100	150	100	19.0
	PN40	270	75	100	150	100	17.0
	PN64	290	75	100	150	100	20.0
DN50	ANSI 150	270	75	100	150	100	15.0
	ANSI 300	270	75	100	150	100	18.0
	ANSI 600	320	75	100	150	100	19.0

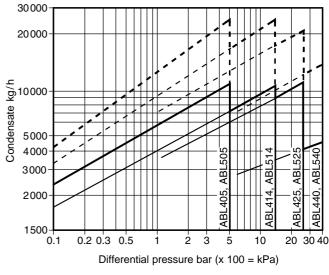
Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-P623-05) supplied with the product.

How to order

Example: 1 off DN40 Spirax Sarco ABL405 bimetallic steam trap with PN40 flanges.

Capacities



Hot water capacity -Cold water capacity - - - - -

Spare parts

The spare parts available are detailed below. No other parts are supplied as spares.

Available spare

Bimetallic assembly kit	5, 7, 8, 9, 10
-------------------------	----------------

How to order sparesAlways order spares by using the description given in the column headed 'Available spare' and state the size and model of the bimetallic

Example: 1 - Bimetallic assembly kit for a 11/2" Spirax Sarco ABL405 bimetallic steam trap.

Recommended tightening torques

Item		or mm	N m
4		5 A/F	
6		36 A/F	100 - 110
12	405, 414, 425 505, 514, 525	24 A/F	70 - 77
	440, 540	24 A/F	120 - 132
13		8 mm socket	10.8 - 13.2

