

CSX-HP1 Y Strainer Carbon Steel

Description

The CSX-HP1 is a carbon steel Y strainer, designed to remove rust, scale and other debris from high pressure systems pipelines. The proper dust collect and its removal represents a positive safety against the maintenance cost or production losses.

Certification

This product is available with certifications according to EN 10204 2.1 for body, cover and screen. It is also available the certification EN 10204 3.1, at an additional extra cost. These certifications are supplied at customer request.

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

Sizes and pipe connections

2", 2½", 3", 4", 6", 8" and 10"

Flanged according to ASME B16.5 600# and 900#.

Optional extras

Filtering elements

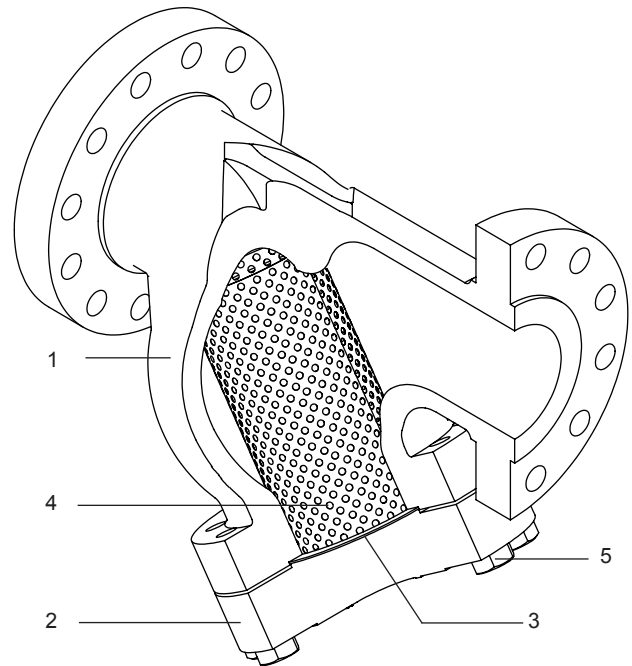
Perforated Screen (mm)	0,8*; 1,2; 1,6; 2,0 e 3,2
Mesh	40, 60, 80, 100, 200 e 325

(*) Standard perforation for all sizes.

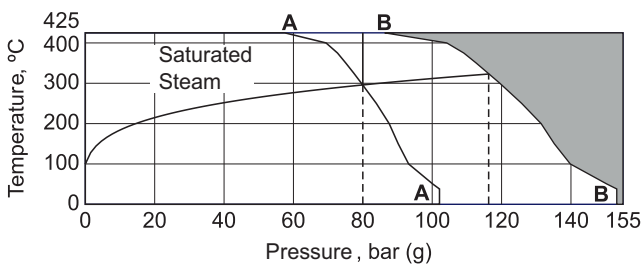
Blowdown Connections

The cover can be drilled to the following sizes to enable a blowdown valve to be fitted, at a customer request and additional cost.

Strainer size	Drain Diameter
2½" to 4"	1¼"
6" to 12"	2"



Pressure and temperature limits



■ This product must not be used in this region

A-A Flanged ASME 600#

B-B Flanged ASME 900#

Body design conditions	ASME B16.34 900#	
Maximum allowable pressure @ 38°C	600#	102,1 bar g
	900#	153,2 bar g
Maximum allowable temperature	600#	425 °C @ 57,5 bar g
	900#	425 °C @ 86,3 bar g
Minimum allowable temperature	-29 °C	
Maximum operation pressure @ 38°C	600#	102,1 bar g
	900#	153,2 bar g
Maximum operating temperature @ 15,8 bar g	600#	425 °C @ 57,5 bar g
	900#	425 °C @ 86,3 bar g
Minimum operating temperature	-29 °C	
Designed for a maximum cold hydraulic test pressure of	600#	154 bar g
	900#	230 bar g

Note: For other operating conditions, please consult Spirax Sarco.

Materials

No.	Part	Material	Specification
1	Body	Carbon Steel	ASTM A 216 Gr. WCB
2	Cover	Carbon Steel	ASTM A 216 Gr. WCB
3	Gasket	Spiral Wound Gasket	SS304 + Graphite
4	Screen	Stainless Steel	AISI 316
5	Cover bolts	Carbon Steel	ASTM A 193 Gr. B7
6	Blowdown Plug*	Carbon Steel	ASTM A 105

(*) Optional

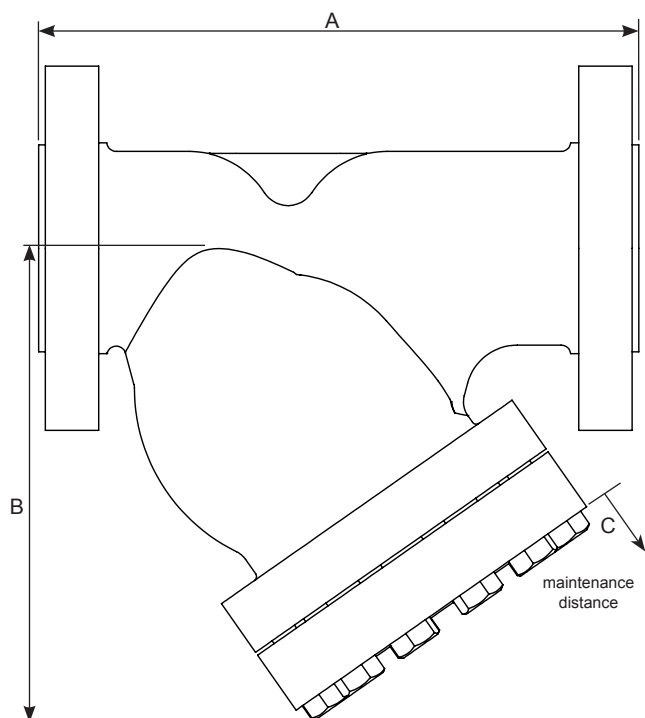
How to order

Always request the CSX-HP1 Strainer with the following information: size, pressure class, desired filtering element, and if the blowdown connection is necessary..

Example: 1 off Spirax Sarco Y Strainer, model CSX-HP1, nominal diameter 4", pressure class 900# with RTJ flanges, screen 1,2mm with blowdown plug.

Dimensions and weights (approximated) in mm and kg

Ø	A	B	C	Weight
2"	325	203	300	33
2½"	390	259	360	60
3"	394	284	360	67
4"	443	314	420	102
6"	626	490	660	279
8"	770	569	710	462
10"	903	664	800	778



Spare parts

The spare parts available are shown in solid outline. Parts drawn in broken line are not supplied as spares:

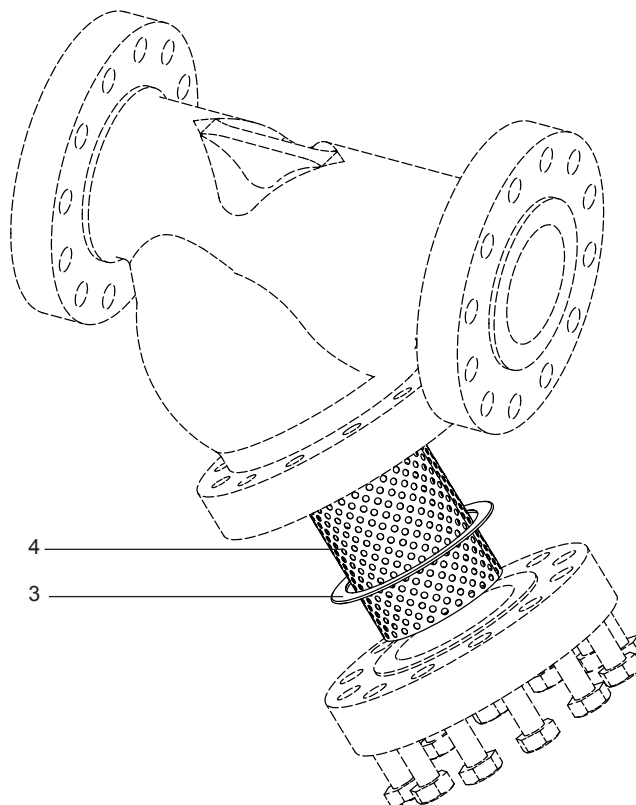
Available spares

Screen + gasket assembly	3 e 4
(indicate screen perforation or mesh and strainer size)	

How to order

Always request spare parts using the description given in the column "Available spare parts" and indicate the strainer size, and the screen element requested.

Example: 1 Screen+Gasket Assembly, perforation 0,8mm for Y Strainer CSX-HP1 4".



Safety, installation and maintenance instruction

Y Strainers shall be installed preferably with the pocket pointing downwards in liquid pipelines, for better collection in the screen. In gas or steam pipelines, the installation shall be installed preferably with the pocket in the horizontal plane, in order to reduce the condensate accumulation and consequently waterhammer and erosion.

Recommended tightening torques

Item	Diameter	N m
5	2"	60 ± 5
	2½" and 3"	175 ± 10
	4"	200 ± 10
	6"	630 ± 30
	8"	720 ± 30
	10"	850 ± 20