



spirax/sarco

TI-D9239-03

BR Rev.00

FIG.14-HP2 WCB Y Strainer 1500# Cast Carbon Steel

Description

The FIG.14-HP2 is a cast carbon steel Y Strainer, designed to remove rust, scale and other debris from the pipeline, in high pressure systems. The proper removal of these impurities represents a proactive safety against the maintenance costs or production losses.

Certification

This product is available with certification according to EN 10204 2.1 for body, cover and screen. It is also available certification according to EN 10204 3.1, at an additional cost.

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

Size and pipe connections

1/2", 3/4", 1", 1 1/2" and 2"

Socket Weld connections (SW) according to ASME B16.11

Strainer Screens

Stainless steel screens

Perforated Plate (mm)	0,8*; 1,2; 1,6; 2,0; 3,2; 4,8; 6,4; 9,5
Mesh	40, 60, 80, 100, 150, 200, 250 e 325

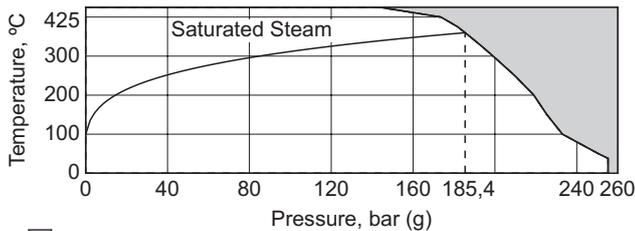
(*) Standard Perforation

Blowdown Connections

The cover can be drilled to enable a blowdown valve to be fitted, at customer requirement and additional extra cost.

Strainer Size	Blowdown Connection
1/2"	1/4"
3/4" and 1"	1/2"
1 1/2" and 2"	3/4"

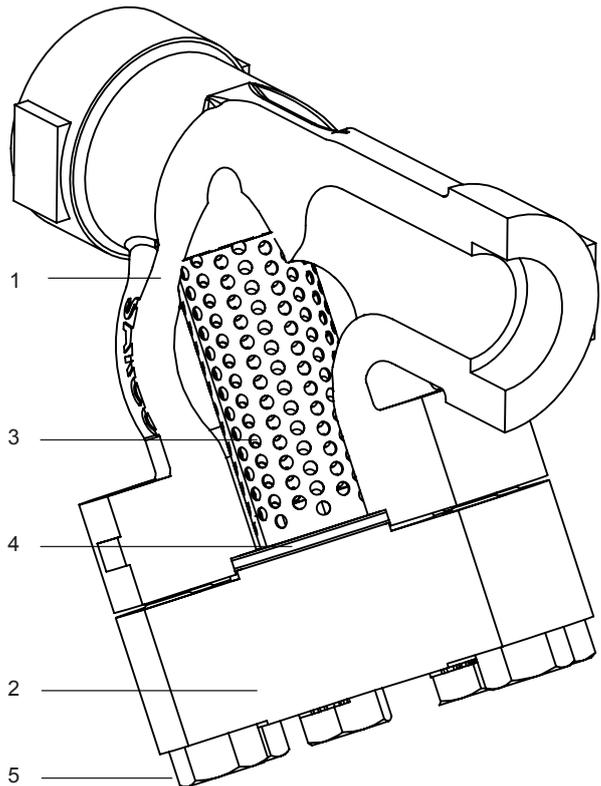
Pressure & Temperature Limits



■ This product must not be used in this region

Body Design Conditions	ASME B16.34 1500#
PMA Maximum Allowable Pressure @ 38°C	255,3 barg
TMA Maximum Allowable Temperature @ 143,8 barg	425°C
Minimum Allowable Temperature	0°C
PMO Maximum Working Pressure @ 38°C	255,3 barg
TMO Maximum Working Temperature @ 143,8 barg	425°C
Minimum Working Temperature	0°C
Designed for a maximum cold hydraulic test pressure of	390 barg

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	Screen	Stainless Steel	ASTM A 240 Gr. 316
4	Cover Gasket	Spiral Wound	Al304+ Graphite
5	Cover Bolts	Carbon Steel	ASTM A 193 Gr. B7
6	Blowdown plug*	Carbon Steel	ASTM A 105

(*) Optional

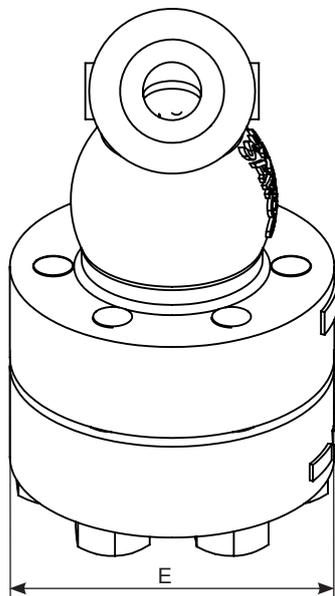
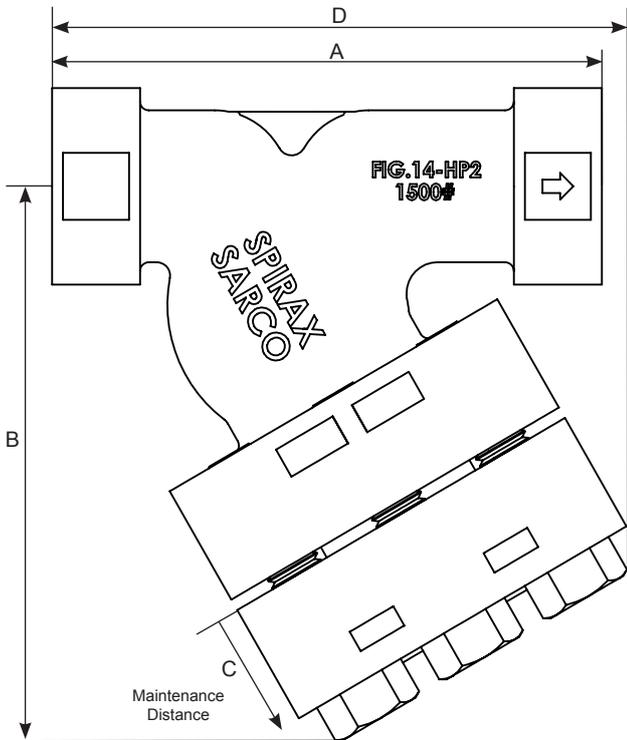
How to Order

Always request the FIG.14-HP2 informing the size, body material, screen element and if the blowdown connection is necessary.

Example: Y Strainer Spirax Sarco, model FIG.14-HP2, size 1", body in carbon steel, socket weld connection, perforated screen 0,8mm, without the blowdown connection.

Dimensions & Weights (approximate) in mm e kg

Ø	A	B	C	D	E	Weight
½"	106	102	50	112	80	2,5
¾"	125	124	60	131	86	3,8
1"	150	142	65	150	107	6,7
1½"	221	218	100	236	160	20,0
2"	257	249	110	268	175	28,0



Spare Parts

The spare parts are shown in heavy outline:

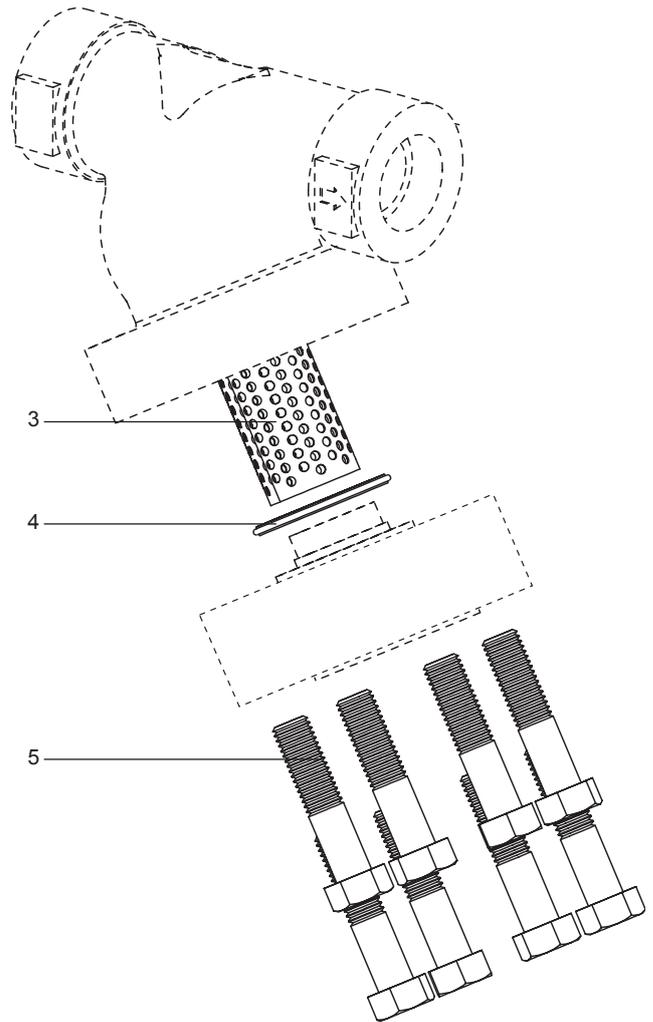
Available Spare Parts

Screen + Gasket Assembly (inform filtration grade and strainer size)	3 and 4
Cover Bolts Assembly (necessary quantity for 1 strainer)	5

How to Order

Always order spares by using the description given in the column headed 'Available spares' and state the size and perforation or mesh required.

Example: 1 Screen + Gasket Assembly, 0,8mm perforated element for Y Strainer FIG.14-HP2 1".



Recommended tightening torques

Item	Diameter	N m
5	½"	60 ± 5
	¾"	60 ± 5
	1"	60 ± 5
	1½"	180 ± 5
	2"	180 ± 5

Safety Information, Installation and Maintenance

The strainer should be installed in the direction of flow, as indicated on the body. On applications involving steam or gases the pocket should be in the horizontal plane. On liquid systems the pocket should point downwards. Suitable isolation valves must be installed to allow for safe maintenance and trap replacement.

Maintenance note:

Maintenance can be completed with the strainer in the pipeline.