Certificate No. FM163

ISO 9001

spirax sarco

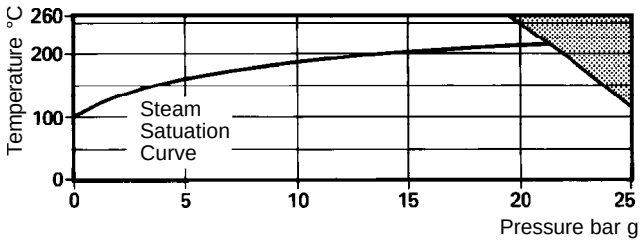
TI-P163-01
ST Issue 1

Fig 12 SG Iron Strainers

Description
Fig 12 Y- type ½" to 3"
Standard screen stainless steel 0.8 mm perforations.

Limiting conditions
Body design conditions PN 25
PMA — Max operating pressure 25 bar
TMA — Max operating temperature 260°C
Cold hydraulic test 38 barg

Operating range



The product must not be used in this region.

Sizes and pipe connections
½", ¾", 1", 1¼", 1½", 2" ,2½" and 3" screwed BSP or NPT

Kv values

Size	½"	¾"	1"	1¼"	1½"	2"	2½"	3"
> 100 mesh	3.6	11	15.5	26	41	68	82	115
200 mesh	3.6	9	13	21	35	55	66	93

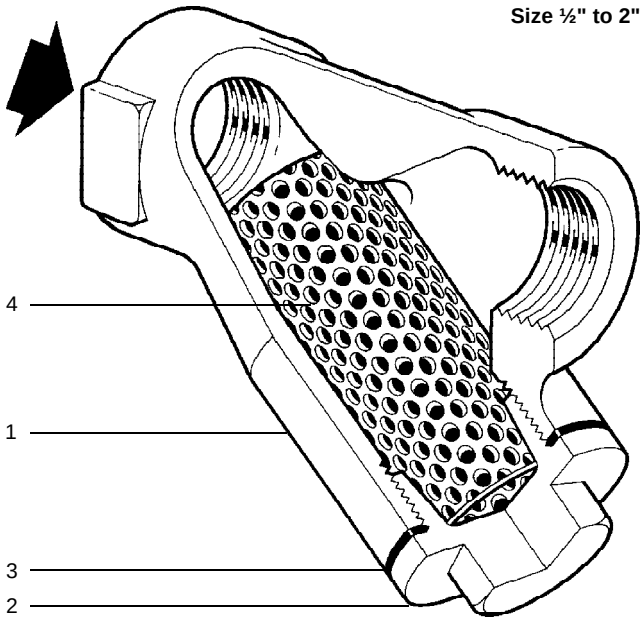
For conversion c_V (UK) = k_V x 0.97 c_V (US) = k_V x 1.17

Materials

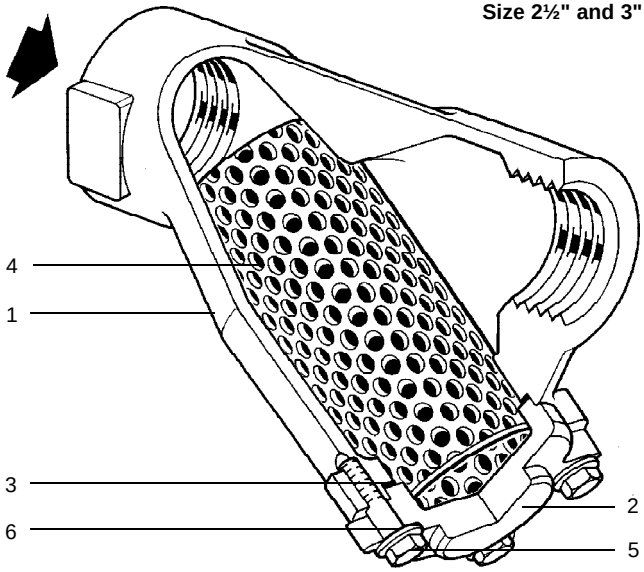
No	Part	Material	
1	Body	SG Iron	DIN 1693 GGG 40
2	Cap	SG Iron	DIN 1693 GGG 40
3	Cap Gasket	Reinforced Exfoliated Graphite	
4	Strainer Screen	Stainless Steel	316L
5	Bolt	Steel	BS 3692 Gr 8.8
6	Washer	Steel	BS 4320 TI Form A

How to specify
2" SPIRAX SARCO Fig 12 SG Iron Strainer, screwed BSP with stainless steel screen 0.8 mm perforations.

Size ½" to 2"



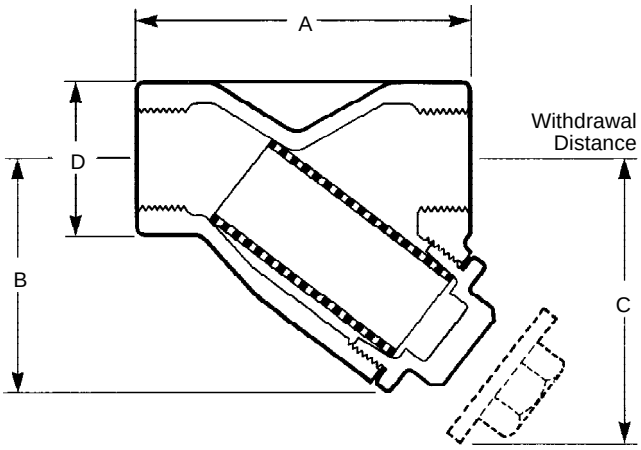
Size 2½" and 3"



Local regulations may restrict the use of this product to below the conditions quoted.
In the interests of development and improvement of the product, we reserve the right to change the specification.
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Dimensions (approximate) in millimetres

Size	A	B	C	D	screening area	Weight
½"	79	55	87	32	25cm²	0.47 kg
¾"	93	65	110	36	42cm²	0.77 kg
1"	110	78	125	48	71cm²	1.4 kg
1¼"	140	103	155	60	135cm²	2.15 kg
1½"	153	115	190	65	161cm²	3.3 kg
2"	177	140	230	76	251cm²	5.1 kg
2½"	230	177	274	94	406cm²	7.3 kg
3"	237	183	280	105	406cm²	7.5 kg



Optional extras

Strainer screens

Stainless steel	Perforations 1.6mm, 3mm Mesh 40, 100, 200
Monel	Perforations 0.8mm, 3mm Mesh 100

Blowdown or drain cock connections.
The cap can be drilled to the following sizes to enable a blowdown or drain cock to be fitted.

Strainer size	Blowdown cock	Drain cock
½"	¼	¼
¾" & 1"	½	½
1¼" & 1½"	1	¾
2"-3"	1¼	¾

Installation

The strainer should be installed in the direction of flow as indicated on the body, in a vertical or horizontal pipeline.

Spare parts

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

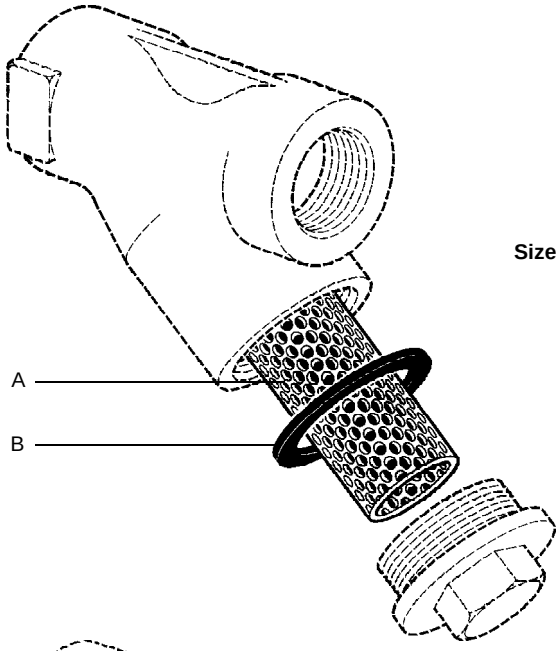
AVAILABLE SPARE	
Strainer Screen (State material, perforations or mesh)	A
Cap Gasket (packet of 3)	B
Set of cap bolts and washers 2½" and 3" (set of 4)	C

How to Order
Always order spares by using the description given in the column headed Available Spare and stating the size and type of strainer and perforation or mesh required.

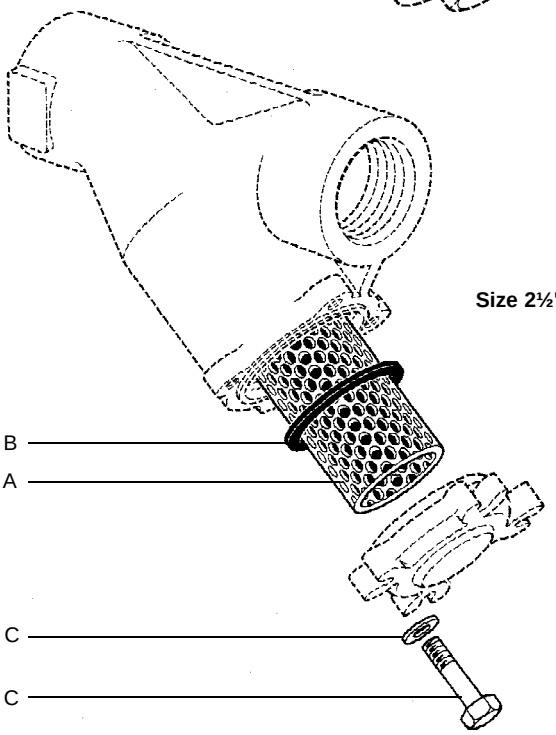
Example 1 — Strainer Screen, stainless steel 0.8 mm perforations for 1½" SPIRAX SARCO Fig 12 Strainer.

Recommended tightening torques

Strainer Cap	½"	22 mm A/F	35/40 Nm
	¾"	27 mm A/F	42/48 Nm
	1"	32 mm A/F	70/80 Nm
	1¼"	46 mm A/F	124/144 Nm
	1½"	50 mm A/F	164/184 Nm
	2"	60 mm A/F	234/264 Nm
Strainer Cap Bolts	2½"	19 mm A/F	50/55 Nm
	3"	19 mm A/F	50/55 Nm



Size ½" to 2"



Size 2½" and 3"