Cert. No. LRQ 0963008

ISO 9001

spirax sarco

TI-P160-01
ST Issue 7

Fig 16 and Fig 16L Austenitic Stainless Steel Strainers

Description

The Fig 16 and Fig 16L are austenitic stainless steel screwed Y-type strainers. The Fig 16 is 316 and the Fig 16L is 316L. The standard stainless steel screen is 0.8 mm perforations. As options, other perforations and mesh sizes are available as well as monel screens. The strainer cap can be drilled and tapped for blowdown and drain valves if required.

Standards
This product fully complies with the requirements of the European Pressure Equipment Directive 97/23/EC.

Certification
The Fig 16 is available with a manufacturers Typical Test Report. The Fig 16L 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

⅜", ½", ¾", 1", 1¼", 1½" and 2"
Screwed BSP or NPT
Socket weld ends to BS 3799 Class 3000 lb (Fig 16L only).

Optional extras

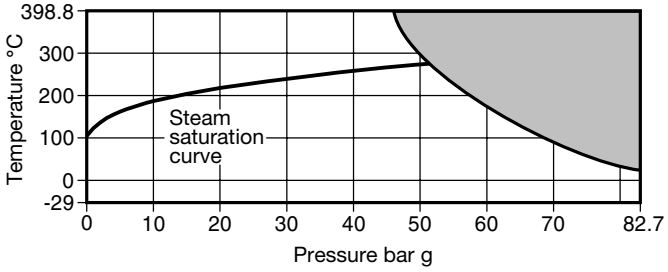
Strainer screens

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

Blowdown or drain valve connections
The cap can be drilled to the following sizes to enable a blowdown or drain valve to be fitted at extra cost.

Strainer size	Blowdown valve	Drain valve
⅜" and ½"	¼"	¼"
¾"	½"	⅜"
1"	½"	½"
1¼" and 1½"	1"	¾"
2"	1¼"	¾"

Pressure/temperature limits

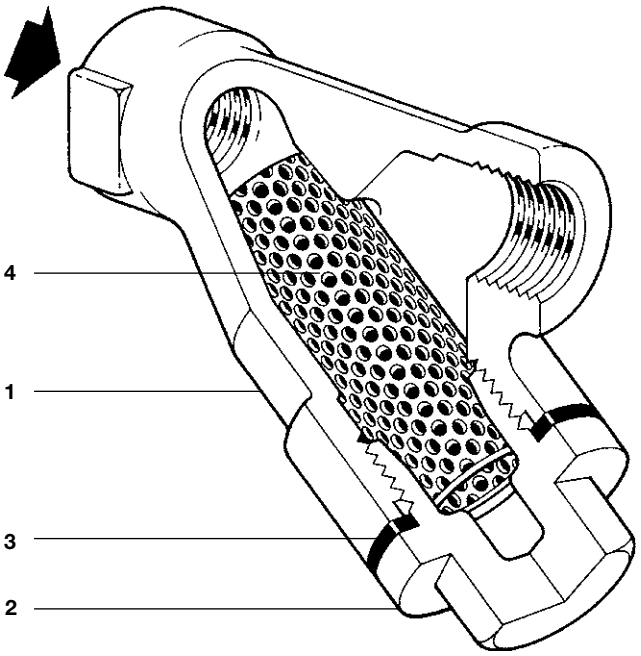


The product **must not** be used in this region.

Body design conditions		ANSI 600
PMA	Maximum allowable pressure	82.7 bar g @ 37.7°C
TMA	Maximum allowable temperature	398.8°C @ 46.2 bar g
Minimum allowable temperature		-29°C
PMO	Maximum operating pressure	82.7 bar g @ 37.7°C
TMO	Maximum operating temperature	398.8°C @ 46.2 bar g
Minimum operating temperature		-29°C

Note: For lower operating temperatures consult Spirax Sarco

Designed for a maximum cold hydraulic test pressure of 125 bar g



Materials

No.	Part		Material	
1	Body	Fig 16	Austenitic stainless steel	ASTM A351 Gr. CF8M (316)
		Fig 16L	Austenitic stainless steel	ASTM A351 Gr. CF3M (316L)
2	Cap	Fig 16	Austenitic stainless steel	ASTM A351 Gr. CF8M (316)
		Fig 16L	Austenitic stainless steel	ASTM A351 Gr. CF3M (316L)
3	Cap gasket		Reinforced exfoliated graphite	
4	Strainer screen		Austenitic stainless steel	316L

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 without notice.

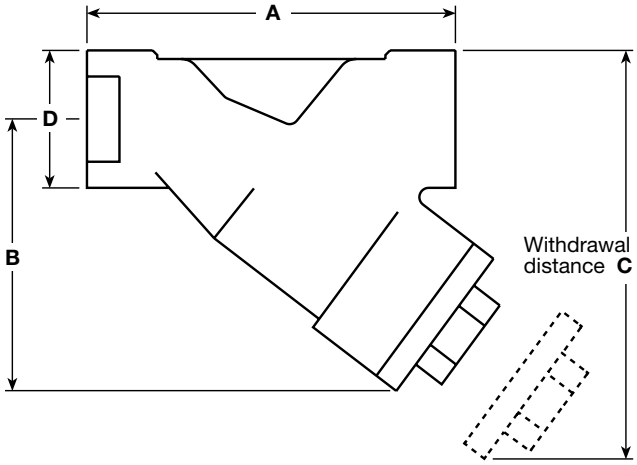
K_V values

For conversion: C_V (UK) = K_V x 0.963 C_V (US) = K_V x 1.156

Size	¼"	⅜"	½"	¾"	1"	1¼"	1½"	2"
Perforations 0.8, 1.6 and 3 mm	1	2.6	3.6	11	15.5	26	41	68
Mesh 40 and 100	1	2.6	3.6	11	15.5	26	41	68
Mesh 200	1	2.6	2.6	9	13.0	21	33	55

Dimensions/weights (approximate) in mm and kg

Size	A	B	C	D	Screening area cm²	Weight
⅜"	69	55	87	26	25	0.32
½"	76	55	87	32	25	0.38
¾"	88	65	110	38	42	0.51
1"	106	78	125	46	71	0.87
1¼"	133	103	155	56	135	1.56
1½"	146	115	190	62	161	2.10
2"	172	140	230	76	251	3.46



Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-S60-17) supplied with the product.

Warning:
The strainer cap gasket contains a thin stainless steel support ring, which may cause physical injury if not handled and disposed of carefully.

Disposal
The product is recyclabe. No ecological hazard is anticipated with disposal of this product, providing due care is taken.

How to order

Example: 1 off Spirax Sarco 1½" Fig 16 strainer with screwed BSP connections and a stainless steel screen having 0.8 mm perforations.

Spare parts

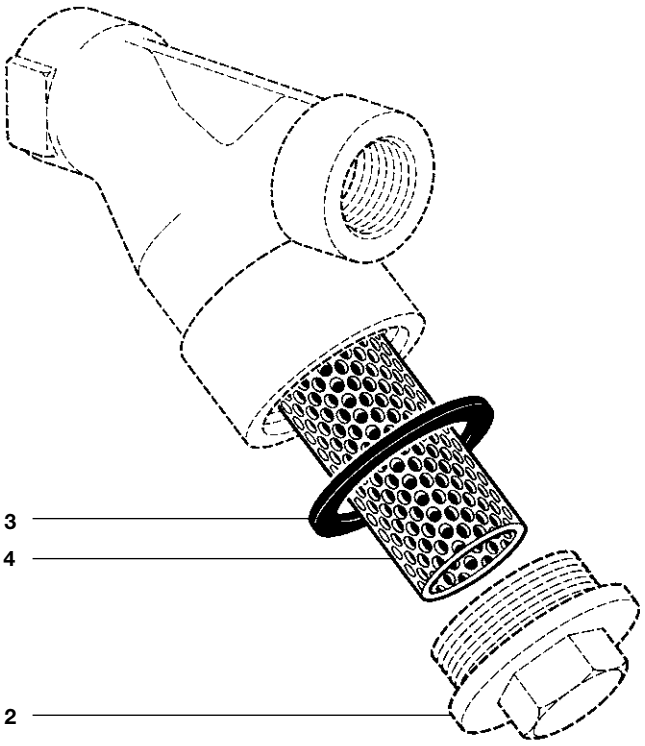
The spare parts available are shown in solid outline. Parts drawn in broken line are not supplied as spares.

Available spares

Strainer screen (state material, size of perforation or mesh and size of strainer)	**4**
Cap gasket (packet of 3)	**3**

How to order spares
Always order spares by using the description given in the column headed 'Available spares' and state the size and type of strainer and perforation or mesh required.
Example: 1 off Stainless steel strainer screen, having 1.6 mm perforations, for a ¾" Spirax Sarco Fig 16 strainer with screwed BSP connections.

Note: When replacing the strainer cap coat the thread only with anti-seize compound, making sure none gets on the gasket or gasket faces.



Recommended tightening torques

Item	Size	or mm	N m
2	⅜"	22 A/F	45 - 50
	½"	22 A/F	45 - 50
	¾"	27 A/F	60 - 66
	1"	27 A/F	100 - 110
	1¼"	46 A/F	240 - 260
	1½"	46 A/F	260 - 280
	2"	60 A/F	310 - 340