

spirax sarco

Fig 16HP Stainless Steel Strainer

Description

The Fig 16HP is a stainless steel Y-type strainer designed to remove scale, rust and other debris from the pipeline.

The standard stainless steel screen is 1/32" (0.8 mm) perforations.

Standards

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

Certification

The product is available with a manufacturer's Typical Test Report for the body and cap as standard and EN 10204 3.1 to special order at extra cost.

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

Sizes and pipe connections

1/4", 3/8", 1/2", 3/4", 1", 1 1/4" 1 1/2" and 2"

Screwed NPT

Socket weld ends to BS 3799 Class 3000 lb

Optional extras

Strainer screens

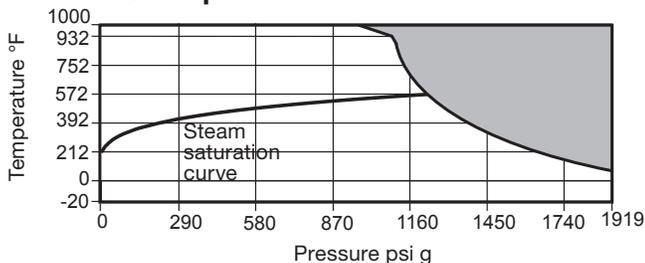
Stainless steel screen	Perforations	1/16"(1.6 mm) and 1/8"(3.0mm)
	Mesh	40, 100 and 200
Monel screen	Perforations	1/32"(0.8 mm) and 1/8"(3.0 mm)
	Mesh	100

Blowdown valve connections

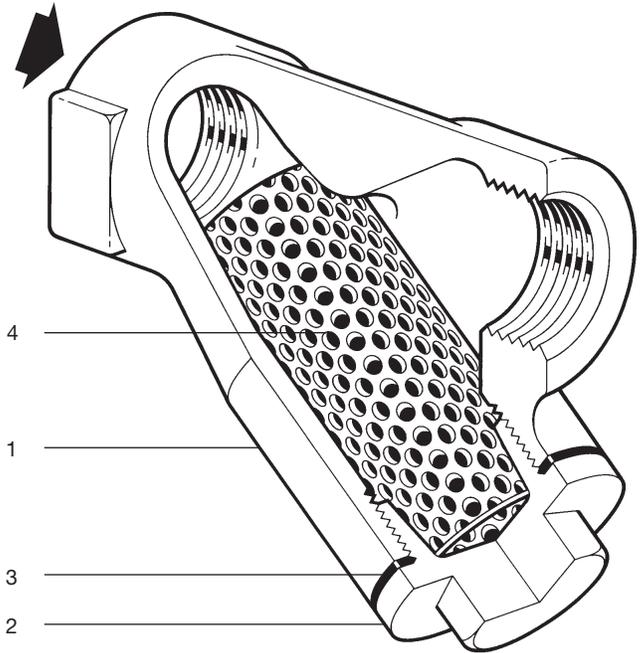
The cap is drilled to the following sizes to enable a blowdown valve to be fitted.

Strainer size	Blowdown valve
1/4", 3/8" and 1/2"	1/4"
3/4" and 1"	1/2"
1 1/4" and 1 1/2"	1"
2"	1 1/4"

Pressure/temperature limits



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



Materials

No.	Part	Material
1	Body	1/4" to 1/2" Stainless steel A182 F316L / 1.4404
		3/4" to 2" Stainless steel ASTM A351 CF8M / 1.4408
2	Cap	Stainless steel ASTM A351 CF8M / 1.4408
3	Cap gasket	Reinforced exfoliated graphite
4	Strainer screen	Stainless steel A240 316L

Body design conditions		ASME Class 800
PMA	Maximum allowable pressure	1,919 psi g @ 100°F
TMA	Maximum allowable temperature	1,000°F @ 968 psi g
Minimum allowable temperature		-20°F
PMO	Maximum operating pressure	1,919 psi g @ 100°F
TMO	Maximum operating temperature	1,000°F @ 968 psi g
Minimum operating temperature		-20°F
Note: For lower operating temperatures consult Spirax Sarco		
Designed for a maximum cold hydraulic test pressure of 2,900 psi g		

Local regulation may restrict the use of this product below the conditions quoted. Limiting conditions refer to standard connections only.
In the interests of development and improvement of the product, we reserve the right to change the specification.

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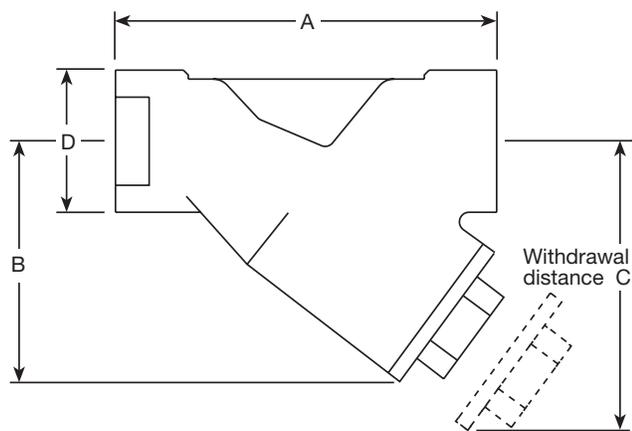
Fig 16HP Stainless Steel Strainer

Cv values

Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Perforations 1/32", 1/16" 1/8"	1.2	3.0	4.2	12.7	17.9	30	47.3	78.6
Mesh 40 and 100	1.2	3.0	4.2	12.7	17.9	30	47.3	78.6
Mesh 200	1.2	3.0	3.0	10.4	15.0	24.2	40.5	63.6

Dimensions/weights (approximate) in inches and lb

Size	A	B	C	D	Screening area cm ²	Weight
1/4"	3	2	3	1	27	1.0
3/8"	3	2	3	1	27	1.2
1/2"	3	2	3	1	27	1.2
3/4"	4	3	4	1	43	1.6
1"	4	3	5	2	73	2.6
1 1/4"	6	4	6	2	135	5.1
1 1/2"	6	5	7	3	164	7.3
2"	7	5	9	3	251	10.9



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

How to order

Example: 1 off Spirax Sarco 1 1/2" Fig 16HP strainer having screwed NPT connections with a stainless steel screen having 1/32" (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

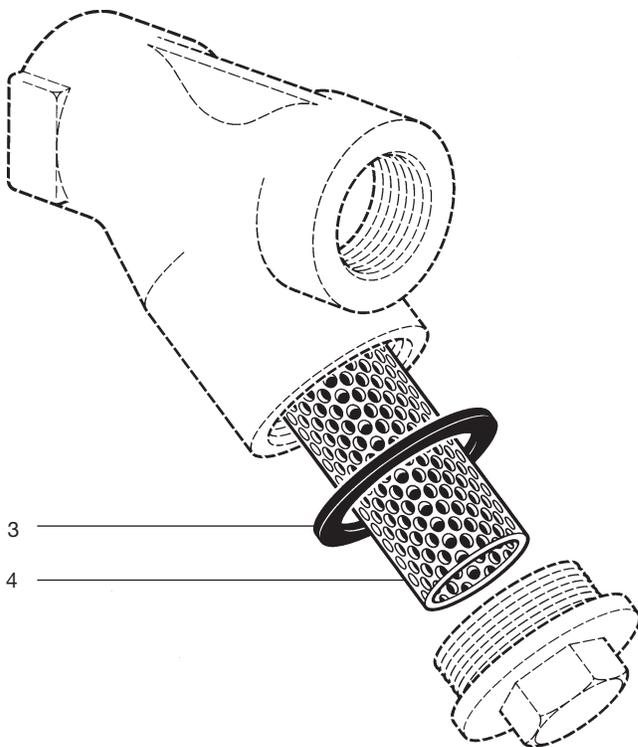
Strainer screen	4
(state material, perforations or mesh and size of strainer)	
Cap gasket	(packet of 3) 3

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 1/32" (0.8 mm) perforations for a 3/4" Spirax Sarco Fig 16HP strainer.

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	mm		FT LBF
2	1/4", 3/8", and 1/2"	22 A/F		37 - 41
	3/4"	27 A/F		44 - 49
	1"	32 A/F		73 - 81
	1 1/4"	46 A/F		73 - 148
	1 1/2"	50 A/F		169 - 191
	2"	60 A/F		243 - 265

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