

## Fig 36 Austenitic Stainless Steel Strainer

### Description

The Fig 36 is an austenitic stainless steel integrally flanged Y-type strainer. The standard stainless steel screen in the 1/2" to 3" size range has 1/32" (0.8 mm) perforations, in the 4" to 8" size range it has 1/16" (1.6 mm) perforations. Other perforations, mesh sizes and monel screens are available as options. 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 and carries the CE mark when so required.

### Certification

The product is available with a manufacturers' Typical Test Report as standard and EN 10204 3.1 for body and cap by special request.

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

### Optional extras

#### Strainer screens

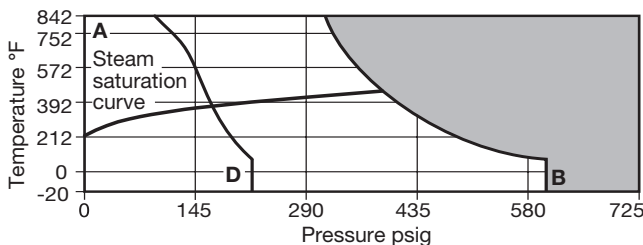
Stainless steel screens	Perforations	1/16" (1.6 mm) 1/2" to 3"
		1/8" (3.0 mm) 1/2" to 8"
	Mesh	40, 100, 200
		1/32" (0.8 mm) 1/2" to 3"
Monel screens	Perforations	1/16" (1.6 mm) 4" to 8"
		1/8" (3.0 mm) 1/2" to 8"
	Mesh	100

#### Standard blowdown valve connections.

The cap is drilled to the following sizes to enable a blowdown valve to be fitted. Threaded (NPT)

Strainer size	Blowdown valve
1/2"	1/4"
3/4" to 1"	1/2"
1 1/4" and 1 1/2"	1"
2" to 5"	1 1/4"
6" and 8"	2"

#### Pressure/temperature limits



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

- A - B Flanged ANSI 300.
- A - D Flanged ANSI 150.

#### Body design conditions

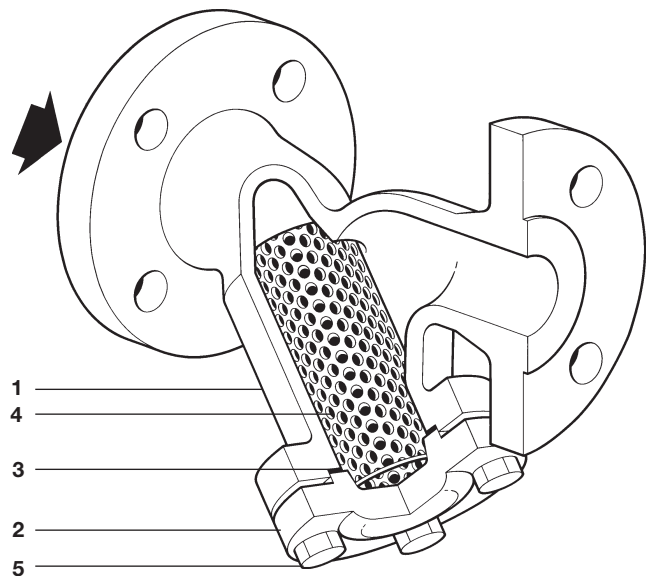
PMA	Maximum allowable pressure	595 psig @ 100°F
TMA	Maximum allowable temperature	842°F @ 305 psig
	Minimum allowable temperature	-20°F
		ANSI 150 232 psig
PMO	Maximum operating pressure	ANSI 300 595 psig
TMO	Maximum operating temperature	892°F @ 305 psig
	Minimum operating temperature	-20°F

**Note:** For lower operating temperatures consult Spirax Sarco. Designed for a maximum cold hydraulic test pressure of 1102 psig

### Sizes and pipe connections

Standard flange: 1/2", 3/4", 1", 1 1/4", 2", 2 1/2", 3", 4", 5", 6", and 8"

ANSI Class 150 and ANSI Class 300 (All sizes)



### Materials

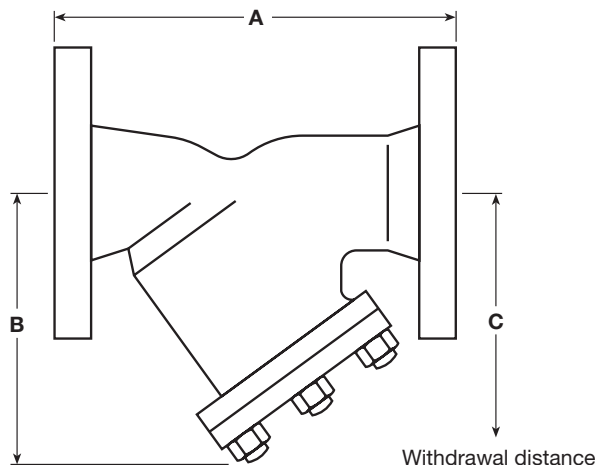
No.	Part	Size	Material
1	Body		Austenitic stainless steel ASTM A351 CF3M
2	Cap	1/2" - 2"	Austenitic stainless steel ASTM A182F316L
		2 1/2" - 8"	Austenitic stainless steel ASTM A351 CF3M
3	Cap gasket		Reinforced exfoliated graphite
4	Strainer screen		Austenitic stainless steel ASTM A240 316L
5	Cap bolt		Austenitic stainless steel ISO 3506 A2-70

## Cv values

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
<b>Perforations</b> 1/32" (0.8 mm), 1/16" (1.6 mm), and 1/8" (3.0 mm)	6	9	15	25	34	53	83	119	179	274	393	680
<b>Mesh 40 and 100</b>	6	9	15	25	34	53	83	119	179	274	393	680
<b>Mesh 200</b>	6	7	12	18	27	43	67	96	143	215	310	536

## Dimensions / weights (approximate) in inches and lbs

Size	ANSI 150 A	ANSI 300 A	B	C	Screening area cm <sup>2</sup>	Weight
1/2"	5	5	3	5	28	5.5
3/4"	6	6	3	5	46	9.9
1"	6	6	4	6	79	11.0
1 1/4"	7	7	5	9	135	22.0
1 1/2"	8	8	6	10	161	26.4
2"	9	9	7	13	251	36.3
2 1/2"	11	11	8	13	325	50.6
3"	12	12	8	13	360	78.3
4"	14	14	10	16	540	84.7
5"	16	16	12	20	840	167.2
6"	19	19	14	22	1 115	239.8
8"	23	24	17	28	1 905	316.8



## Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-S60-18) supplied with the product.

### Installation note:

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, once the safety procedures have been observed. It is recommended that a new gasket is used whenever maintenance is undertaken.

### Warning:

The strainer cap gasket contains a thin stainless steel support ring, which may cause physical injury if it is 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 1/4" Fig 36 strainer having a stainless steel screen with 1/32" 0.8 mm perforations. The connections are to be flanged ANSI 150.

## Spare parts

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

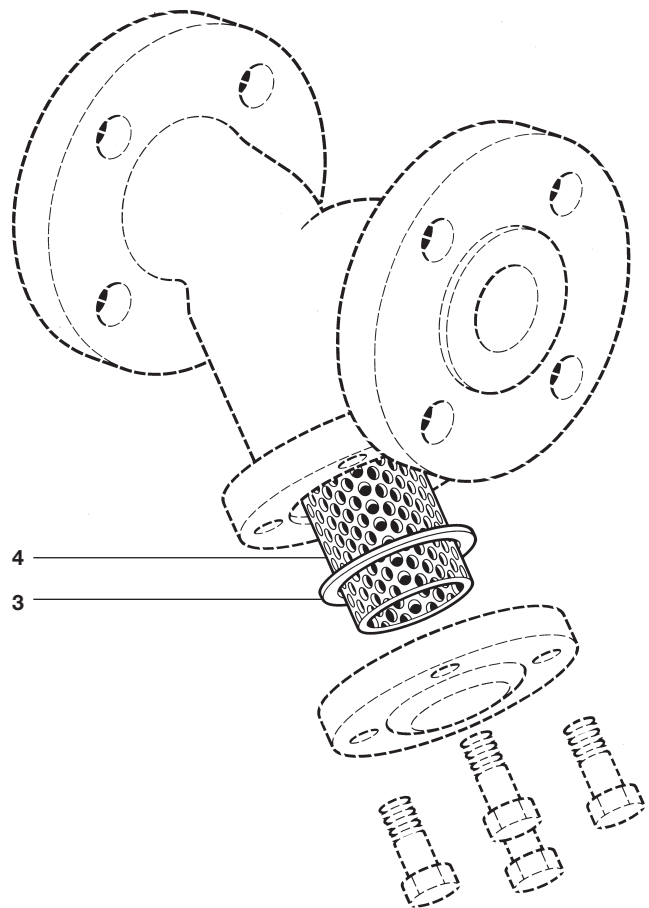
### Available spares

Strainer screen (state material, size of perforations or mesh and size of strainer)	<b>4</b>
Cap gasket (3 off)	<b>3</b>

### 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 2" Spirax Sarco Fig 36 strainer having ANSI 150 connections.



## Recommended tightening torques

Item	Size	Qty	or mm	ft - lb
5	1/2" - 1"	4	16 A/F M10 x 30	16 - 18
	1 1/4" - 1 1/2"	4	19 A/F M12 x 35	30 - 33
	2"	8	19 A/F M12 x 35	30 - 33
	2 1/2"	8	19 A/F M12 x 45	30 - 33
	3"	8	19 A/F M12 x 50	30 - 33
	4"	8	24 A/F M16 x 50	74 - 81
	5"	8	30 A/F M20 x 60	118 - 125
	6"	8	30 A/F M20 x 65	155 - 169
	8"	8	36 A/F M20 x 75	155 - 169

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