# Fig 4 Brass Strainer

## Description

The Fig 4 is an angle type, brass bodied, screwed strainer. As standard it will be supplied with a stainless steel screen having 0.8 mm perforations. Optionally 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 2014/68/EU and carries the CE mark when so required.

## Certification

This product is available with certification to EN 10204 2.2.
**Note**: All certification/inspection requirements must be stated at the time of order placement.

## Sizes and pipe connections

½" and ¾" screwed BSP T Rp (ISO 7-1) or NPT.

## Optional extras

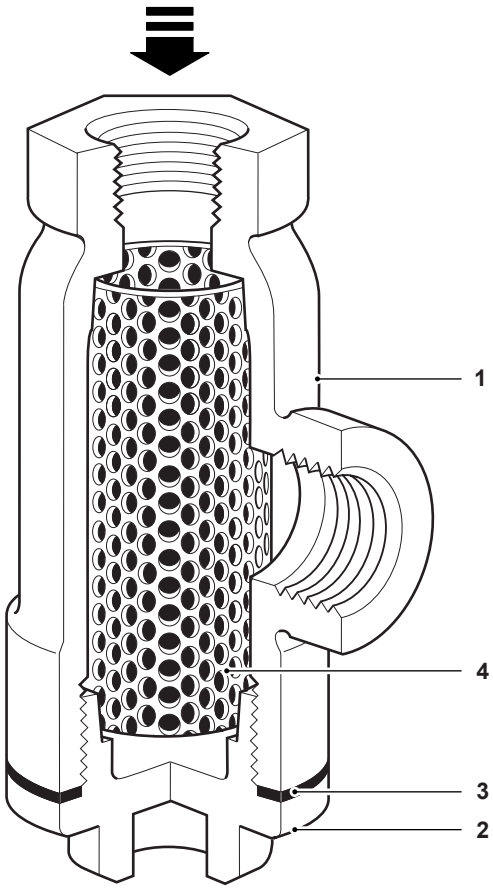
### Strainer screens

| | | |
|---|---|---|
| **Stainless steel screen** | Perforations | 1.6 and 3 mm |
| | Mesh | 40, 100 and 200 |
| **Monel screen** | Perforations | 0.8 and 3 mm |
| | Mesh | 100 |

### Blowdown or drain valve connections

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

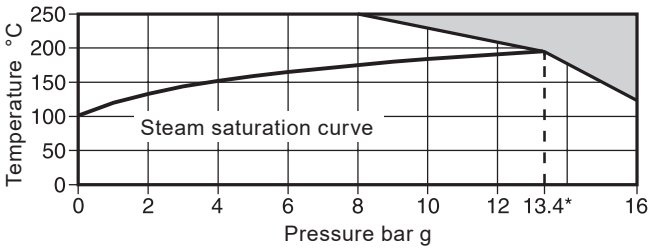
| Strainer size | Blowdown valve or drain valve |
|---|---|
| ½" and ¾" | ½" |




## Materials

| No. | Part | Material | |
|---|---|---|---|
| **1** | Body | Brass | EN 12165 CW 617N |
| **2** | Cap | Brass | EN 12165 CW 617N |
| **3** | Cap gasket | Reinforced exfoliated graphite | |
| **4** | Strainer screen | Stainless steel | 316L |

## Pressure/temperature limits (ISO 6552)




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

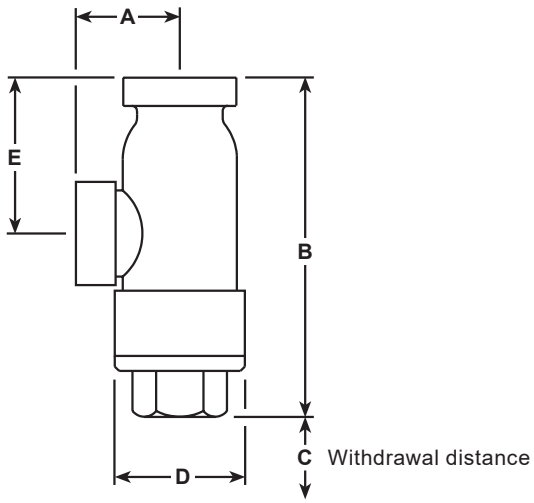
| | |
|---|---|
| Body design conditions | PN16 |
| PMA Maximum allowable pressure | 16 bar g @ 120 °C |
| TMA Maximum allowable temperature | 250 °C @ 8 bar g |
| Minimum allowable temperature | 0 °C |
| PMO * Maximum operating pressure for saturated steam service | 13.4 bar g @ 196 °C |
| TMO Maximum operating temperature | 250 °C @ 8 bar g |
| Minimum operating temperature<br>**Note**: For lower operating temperatures consult Spirax Sarco | 0 °C |
| Designed for a maximum cold hydraulic test pressure of | 24 bar g |

## Kv values

| **Size** | ½" | ¾" |
|---|---|---|
| **Perforations 0.8, 1.6 and 3 mm** | 4 | 4 |
| **Mesh 40 and 100** | 4 | 4 |
| **Mesh 200** | 4 | 4 |

For conversion:
Cv (UK) = Kv x 0.963
Cv (US) = Kv x 1.156

## Dimensions/weight (approximate) in mm and kg




| Size | A | B | C | D | E | Screening area cm² | Weight |
|---|---|---|---|---|---|---|---|
| ½" | 36 | 98 | 67 | 42 | 44 | 43 | 0.7 |
| ¾" | 36 | 98 | 67 | 42 | 44 | 43 | 0.7 |



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## Safety information, installation and maintenance
For full details see the Installation and Maintenance Instructions (IM-P164-06) 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.

### Installation note
The strainer should be installed with the strainer cap at the bottom with the inlet at the top.

### Maintenance note
Maintenance can be completed with the strainer in the pipeline.

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

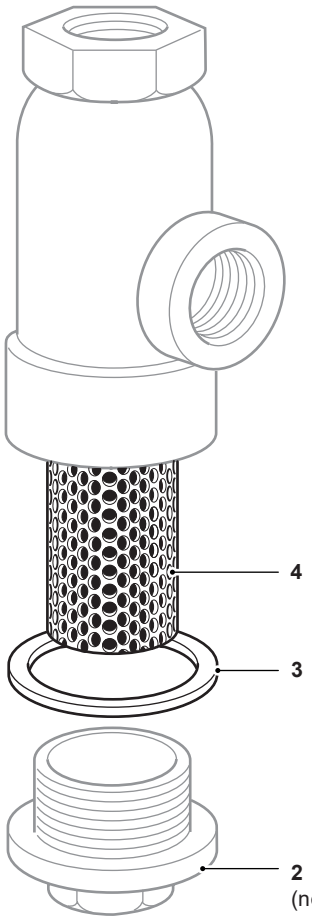
## How to order
Example: 1 off Spirax Sarco ½" Fig 4 strainer, screwed BSP, with a stainless steel screen having 0.8 mm perforations.

## Spare parts
The spare parts available are shown in solid outline. Parts drawn in a grey line are not supplied as spares.

### Available spares

| | |
|---|---|
| Strainer screen<br>(state material, size of perforation or mesh and size of strainer) | **4** |
| Cap gasket (3 off) | **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 - Stainless steel strainer screen having 0.8 mm perforations for a ½" Spirax Sarco Fig 4 strainer.



(not an available spare)

### Recommended tightening torques

| Item | Size | or mm | | N m |
|---|---|---|---|---|
| **2** | ½" and ¾" | 26 A/F | 1" BSP T Rp (ISO 7-1) | 42 - 48 |



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