Cert. No. LRQ 0963008

ISO 9001

spirax sarco

TI-P063-03
ST Issue 6

Fig 7 Carbon Steel Strainer

Description
The Fig 7 is a carbon steel integrally flanged pot type strainer. The standard stainless steel screen is 3.2 mm perforations. The body has two bosses that can be drilled and tapped to accomodate pressure gauges and the cover has a ⅝" UNC-2B tapping for fitting an eyebolt. The body can also be drained of condensate via a drain plug.

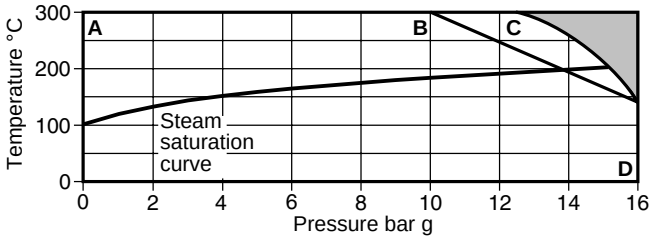
Sizes and pipe connections
DN200 and 250.
Flanged BS 4504 PN16, ANSI B 16.5 Class 150.

Optional extras
Pressure gauge connections.
Bosses are provided on the body upstream and downstream of the screen which can be drilled and tapped to accommodate pressure gauges.

Limiting conditions

Body design conditions	PN16
PMA - Maximum allowable pressure	16 bar g
TMA - Maximum allowable temperature	300°C
Minimum operating temperature	0°C
Designed for a maximum cold hydraulic test pressure of 28 bar g	

Operating range



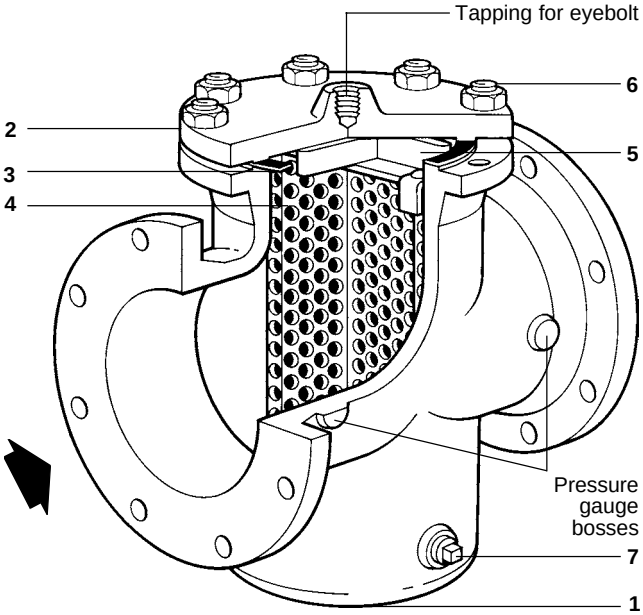
The product must not be used in this region.

A-**C**-**D** Flanged BS 4504 PN16
A-**B**-**D** Flanged ANSI 150

Materials

No.	Part	Material	
1	Body	Carbon steel	ASTM A216 WCB
2	Cap	Carbon steel	ASTM A216 WCB
3	Cap gasket	Reinforced exfoliated graphite	
4	Strainer screen	Stainless steel	ASTM A240 316L
5	Frame	Mild steel	BS 970 070 M20
6	Cap studs	Carbon steel	EN 20898 Pt 1 Gr. 8.8
	Cap nuts	Carbon steel	EN 20898 Pt 2 Gr. 8
7	Drain plug	Steel	

Certification
This product is available with certification to EN 10204 3.1.B for body and cap. **Note:** All certification/inspection requirements must be stated at the time of order placement.



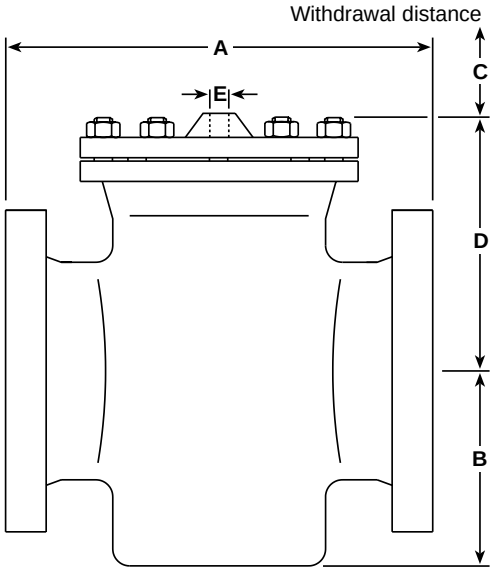
K_V values

Size	DN200	DN250
K_V	1 196	1 876

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

Dimensions/weights (approximate) in mm and kg

Size	A	B	C	D	E	Screening area cm^2	Weight
DN200	406	206	406	247	5/8" UNC-2B	2 129	84
DN250	470	238	470	281	5/8" UNC-2B	3 161	126



Safety information

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

Pressure

Before attempting any maintenance of the strainer, consider what is or may have been in the pipeline. Ensure that any pressure is isolated and safely vented to atmospheric pressure before attempting to maintain the strainer. This is easily achieved by fitting Spirax Sarco depressurisation valves type DV (see separate literature for details). Do not assume that the system is depressurised even when a pressure gauge indicates zero.

Temperature

Allow time for temperature to normalise after isolation to avoid the danger of burns and consider whether protective clothing (including safety glasses) is required.

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.

Installation

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

The strainer should be fitted in a horizontal pipeline in the direction of flow as indicated on the body, with the cover at the top.

Suitable isolation valves must be installed to allow for safe maintenance and trap replacement. Remove all protective caps prior to installation. Open isolation valves slowly until normal operating conditions are achieved. Check for leaks and correct operation.

Maintenance

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

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.

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 DN200 Fig 7 strainer flanged to ANSI 150 with stainless steel screen having 3.2 mm perforations.

Spare parts

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

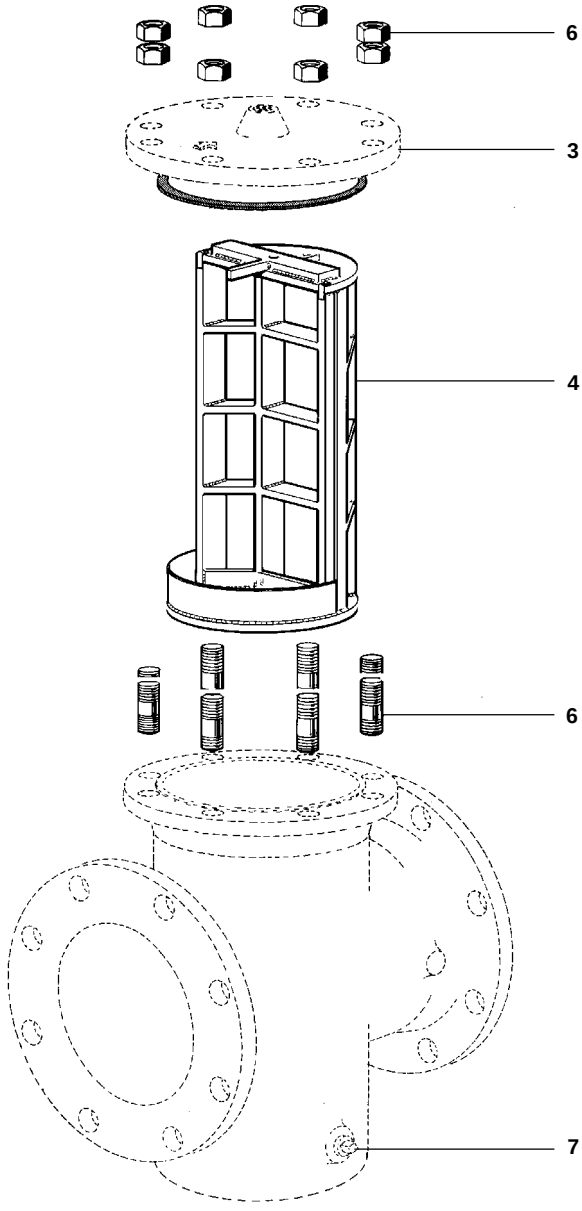
Available spares		
Strainer screen (state material, size of perforations and size of strainer)		**4**
Cap gasket (packet of 3)		**3**
Set of cap studs and nuts	DN200 (set of 8)	**6**
	DN250 (set of 10)	**6**

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.

Example: 1 - Stainless steel screen having 3.2 mm perforations for a DN250 Spirax Sarco Fig 7 strainer.

Note: When ordering a spare screen it is advisable to order a cap gasket (packet of 3).



Recommended tightening torques

Item	Size	or mm	N m
6	DN200 DN250	(¾ UNC) to BS 1769	80 - 90 110 - 120
7	DN200 DN250	¾" BSP 1" BSP	50 - 55 50 - 55