Fig 14HP Carbon Steel Strainer

Description

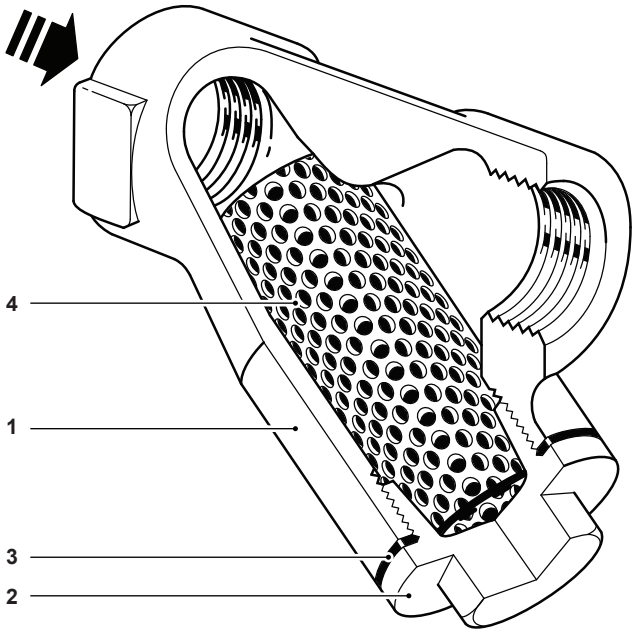
The Fig 14HP is a carbon steel Y-type strainer designed to remove scale, rust and other debris from the pipeline.
The standard stainless steel screen is 0.8 mm perforations.

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

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

¼", ⅜", ½", ¾", 1", 1¼", 1½" and 2"
Screwed BSP T Rp (ISO 7-1) or NPT
Socket weld ends to BS 3799 Class 3000 lb

Optional extras

Strainer screens

Stainless steel screen	Perforations	1.6 mm and 3.0 mm
	Mesh	40, 100 and 200
Monel screen	Perforations	0.8 mm and 3.0 mm
	Mesh	100

Blowdown or drain valve connections

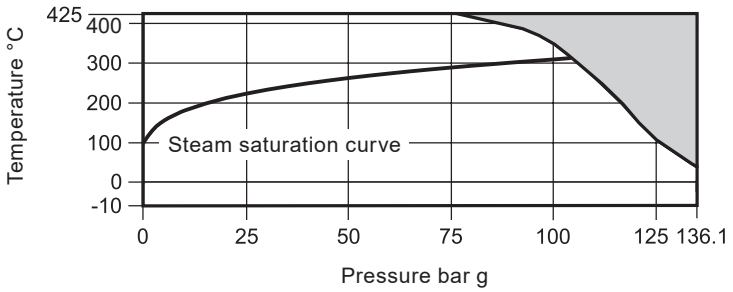
The cap can be drilled to the following sizes to enable a blowdown or drain valve to be fitted at extra cost.

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

Materials

No.	Part		Material	
1	Body	¼" and ½"	Carbon steel	ASTM A105N/1.0460
		¾" to 2"	Carbon steel	ASTM A216 WCB/1.0619 + N
2	Cap		Carbon steel	ASTM A105N/1.0460
3	Cap gasket		Reinforced exfoliated graphite	
4	Strainer screen		Stainless steel	A240 316L

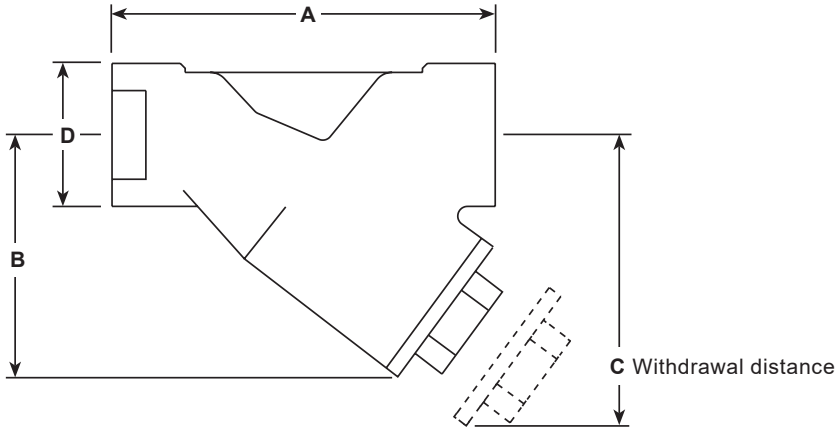
Pressure/temperature limits



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

Body design conditions	ASME Class 800
PMA Maximum allowable pressure	136.1 bar g @ 38 °C
TMA Maximum allowable temperature	425 °C @ 76.7 bar g
Minimum allowable temperature	-29 °C
PMO Maximum operating pressure	136.1 bar g @ 38 °C
TMO Maximum operating temperature	425 °C @ 76.7 bar g
Minimum operating temperature **Note:** For lower operating temperatures consult Spirax Sarco	-29 °C
Product is safe for use under full vacuum conditions	
Designed for a maximum cold hydraulic test pressure of	205 bar g

Dimensions/weights (approximate) in mm and kg



Size	A	B	C	D	Screening area cm²	Weight
¼"	70	51	80	32	27	0.43
⅜"	70	51	80	32	27	0.49
½"	73	52	81	32	27	0.56
¾"	90	64	100	36	43	0.72
1"	105	74	120	46	73	1.17
1¼"	140	102	164	60	135	2.35
1½"	152	115	184	70	164	3.30
2"	178	138	224	80	251	4.95

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Kv values

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	35	55

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

Safety information, installation and maintenance
For full details see the Installation and Maintenance Instructions (IM-S26-01-EN-ISS1) 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 1½" Fig 14HP strainer having screwed BSP T Rp (ISO 7-1) connections 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.

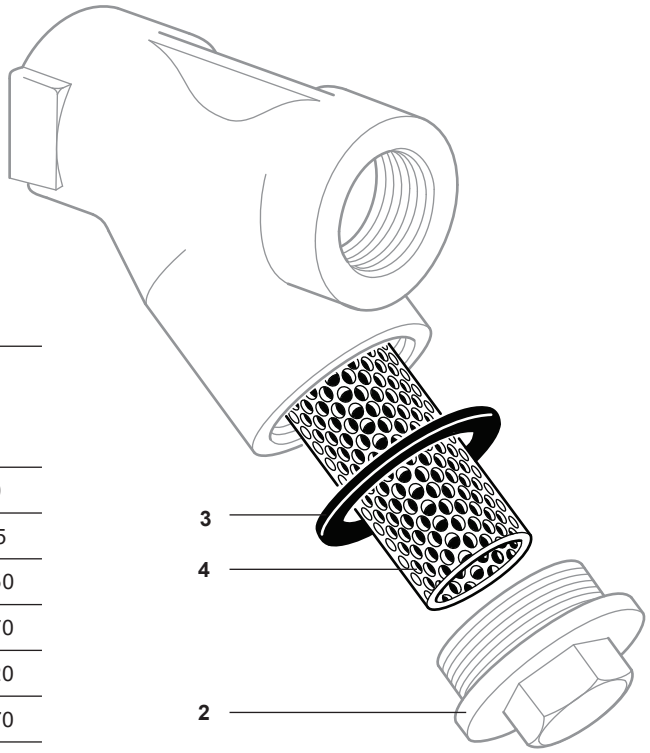
Available spares

Strainer screen (state material, perforations 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 0.8 mm perforations for a ¾" Spirax Sarco Fig 14HP 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	or mm	N m
2	¼", ⅜" and ½"	36 A/F	70 - 80
	¾"	38 A/F	95 - 115
	1"	50 A/F	230 - 250
	1¼"	46 A/F	330 - 370
	1½"	50 A/F	380 - 420
	2"	60 A/F	600 - 670