



Cert. No. LRQ 0963008

ISO 9001

spirax sarco

TI-P081-03
ST Issue 6

Fig 3716

SG Iron

Strainer - DIN Material

Description

The Fig 3716 is an SG iron integrally flanged Y-type strainer with flanged screen cover in DIN material. The standard stainless steel screen in the DN15 to DN80 has 0.8 mm perforations and in the DN100 to DN200 it has 1.6 mm perforations. As options, other perforation and mesh sizes are available. The strainer cap can be drilled and tapped for blowdown and drain valves if required. The body can also be drilled and tapped for pressure tapplings 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

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

Sizes and pipe connections

DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, DN100, DN125, DN150 and DN200.
Standard flange EN 1092 PN16.
DN50 to DN200 sizes are also available with ANSI 150 and JIS 10K connections on request.

Optional extras

Strainer screens

Stainless steel screen	Perforations	1.6 mm (DN15 to DN80) 3.0 mm (DN15 to DN200)
	Mesh	40, 100, 200

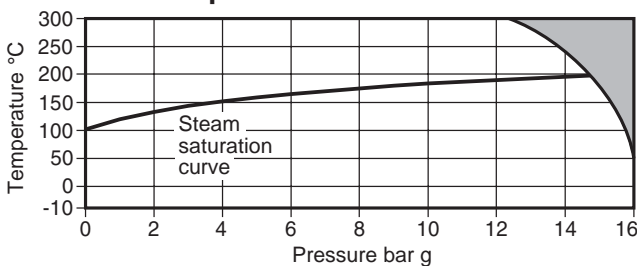
Blowdown, drain valve and pressure connections

The cap can be tapped to enable a blowdown or drain valve to be fitted. The body can be drilled for pressure tapplings.

Connection sizes are shown as below:

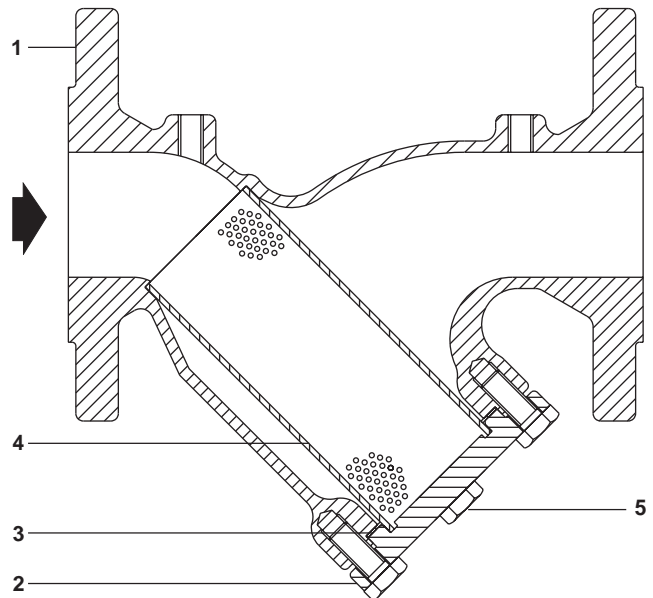
Strainer size	Blowdown valve	Drain valve	Pressure tapping
DN15 to DN20	3/8"	3/8"	1/4"
DN25 to DN32	1/2"	1/2"	1/4"
DN40 and DN80	3/4"	3/4"	1/4"
DN100 to DN200	1"	1"	1/4"

Pressure / temperature limits



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

Body design conditions		PN16	
TMA	Maximum allowable temperature	300°C @ 12.3 bar g	
PMA	Maximum allowable pressure	16 bar g @ 100°C	
Minimum allowable temperature		-10°C	
TMO	Maximum operating temperature	300°C @ 12.3 bar g	
PMO	Maximum operating pressure (15 bar g for saturated steam service @ 201°C)	16 bar g @ 100°C	
Minimum operating temperature		-10°C	
Designed for a maximum cold hydraulic test pressure of 24 bar g			



Materials

No.	Part	Material	
1	Body	SG iron	DIN 1693 GGG40
2	Cap	SG iron	DIN 1693 GGG40
3	Cap gasket	Reinforced exfoliated graphite	
4	Strainer screen	Austenitic stainless steel	ASTM A240 316L
5	Bolts	Austenitic stainless steel	EN ISO 3506 A2 - 70

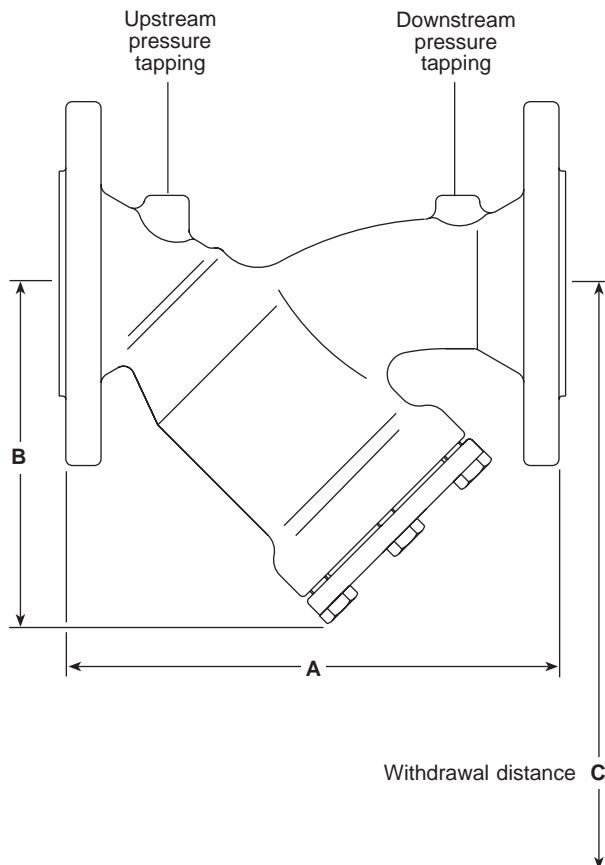
K_v values

For conversion: $C_v(\text{UK}) = K_v \times 0.963$ $C_v(\text{US}) = K_v \times 1.156$

Size	DN15	DN20	DN25	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Perforations 0.8, 1.6 and 3 mm	5	8	13	22	29	46	72	103	155	237	340	588
Mesh 40 and 100	5	8	13	22	29	46	72	103	155	237	340	588
Mesh 200	4	6	10	17	23	37	58	83	124	186	268	464

Dimensions / weights (approximate) in mm and kg

Size	PN16 A	ANSI 150	B	C	Screening area cm ²	Weight
DN15	130	-	69	101	28	2.1
DN20	150	-	82	125	46	2.9
DN25	160	-	90	140	79	3.8
DN32	180	-	114	198	135	6.6
DN40	200	-	127	210	161	9.0
DN50	230	233	150	248	251	10.5
DN65	290	288	162	263	325	17.5
DN80	310	311	178	272	360	20.0
DN100	350	345	210	323	540	24.0
DN125	400	396	253	393	840	38.0
DN150	480	482	293	454	1 115	50.5
DN200	600	610	375	584	1 905	88.0



Spare parts

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

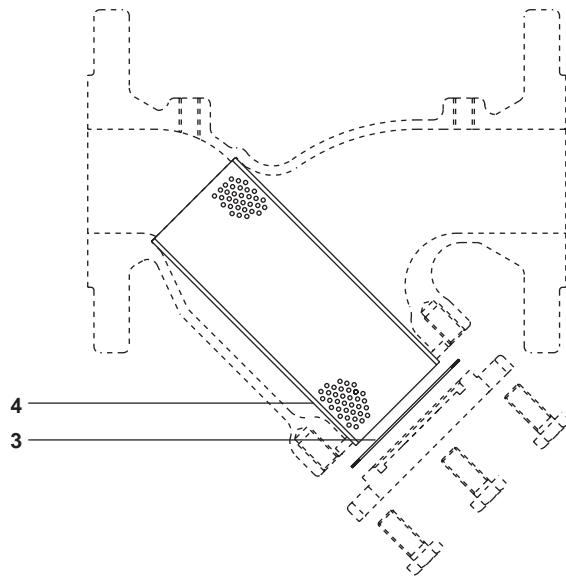
Available spares

Strainer screen (state: perforations or mesh and size of strainer)	4
Cap gasket	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 - Strainer screen, stainless steel having 0.8 mm perforations for a DN50 Spirax Sarco Fig 3716 strainer PN16.



Recommended tightening torques

Item	Size	Qty	 or 	mm	N m
5	DN15 and DN20	4	13	M8 x 20	15 - 20
	DN25	4	13	M8 x 20	15 - 20
	DN32 and DN40	4	13	M8 x 20	15 - 20
	DN50	4	17	M10 x 25	22 - 25
	DN65	4	17	M10 x 30	22 - 25
	DN80	6	17	M10 x 30	22 - 25
	DN100	6	19	M12 x 35	50 - 60
	DN125	8	19	M12 x 40	50 - 60
	DN150	8	19	M12 x 40	50 - 60
	DN200	8	24	M16 x 50	100 - 110

Safety information, installation and maintenance

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

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 DN40 Fig 3716 strainer, flanged EN 1092 PN16 with austenitic stainless steel screen having 0.8 mm perforations and flanged screen cap.