



TI-P023-02
CMGT Issue 11

S1 SG Iron Separator

Description

The S1 is a cast SG iron baffle type separator used for the removal of entrained liquids in steam, compressed air and gas systems. The fitting of insulation jackets will increase the performance of the separator.

Standards

This product fully complies with the requirements of the Pressure Equipment Directive (PED).

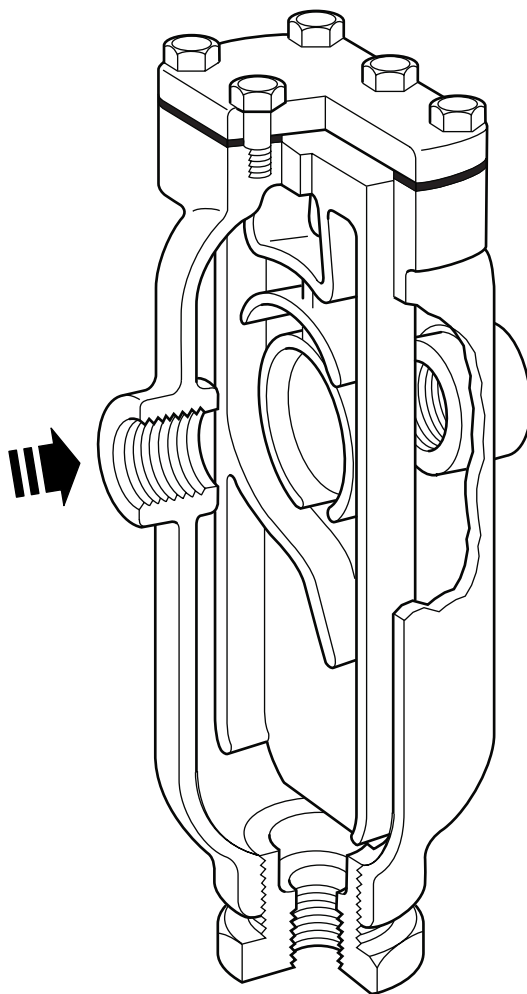
Certification

This product is available with a manufacturers' Typical Test Report.

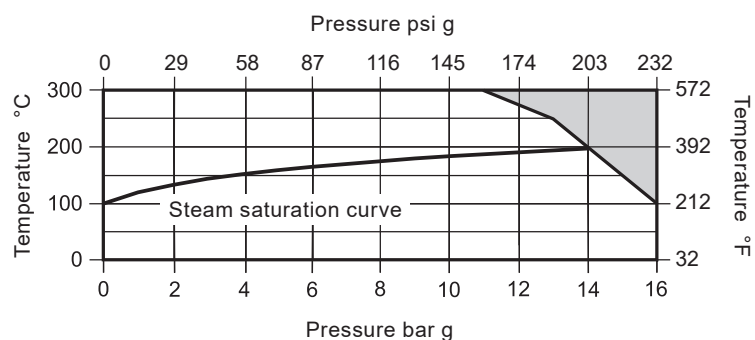
Note: All certification/inspection requirements must be stated at the time of order placement.

Sizes and pipe connections

½", ¾" and 1" screwed BSP or NPT



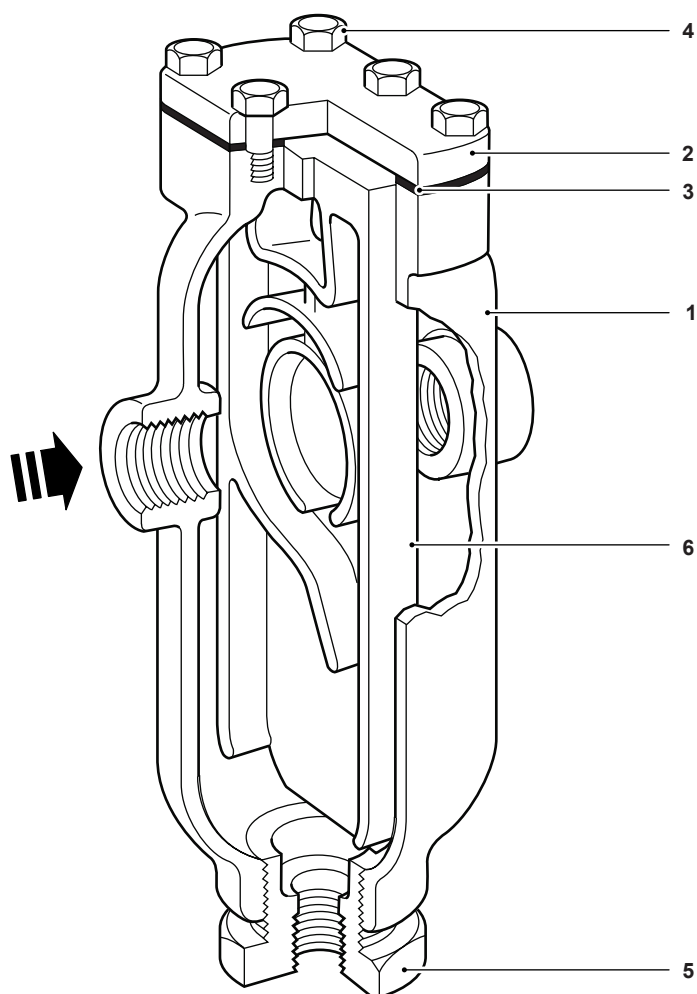
Pressure/temperature limits (ISO 6552)



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

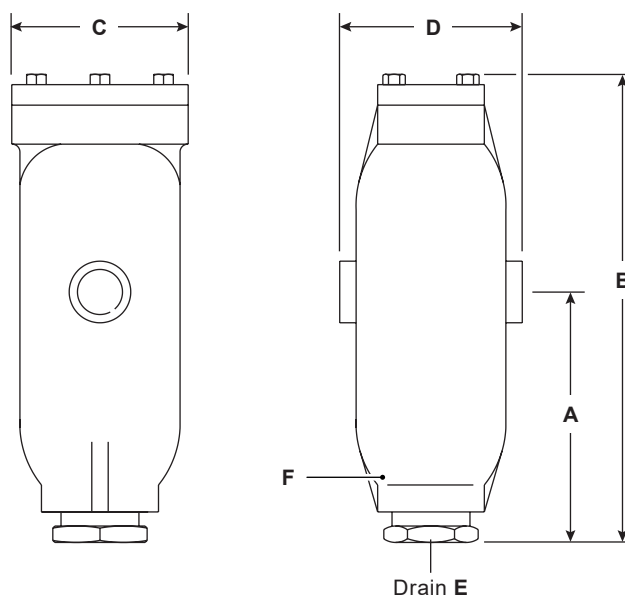
Body design conditions			PN16
PMA	Maximum allowable pressure	16 bar g @ 100 °C	232 psi g @ 212 °F
TMA	Maximum allowable temperature	300 °C @ 11 bar g	572 °F @ 160 psi g
Minimum allowable temperature		0 °C	32 °F
PMO	Maximum operating pressure for saturated steam service	13.8 bar g	200 psi g
TMO	Maximum operating temperature	200 °C @ 13.8 bar g	392 °F @ 200 psi g
Minimum operating temperature.		0 °C	32 °F
Note: For lower operating temperatures consult Spirax Sarco			
Designed for a maximum cold hydraulic test pressure of:		24 bar g	348 psi g

Materials



No.	Part	Material	
1	Body	SG iron	DIN 1693 Gr. GGG 40
2	Cover	SG iron	DIN1693 Gr. GGG 40
3	Gasket	Semi-rigid graphite laminate	
4	Bolts	Steel	BS 1768 Gr. 5
5	Bush	$\frac{1}{2}$ " $\frac{3}{4}$ "	Steel
		1"	Steel ASTM A105
6	Baffle	Cast iron	DIN 1691 Gr. GG20

Dimensions/weights (approximate) in mm (inches), kg (lbs) and litres (gallons)



Size	A	B	C	D	E	F	Weight	Volume
1/2"	124 (4.9)	225 (8.9)	86 (3.4)	88 (3.5)	1/2"	1"	2.7 (6.0)	0.53 (0.14)
3/4"	156 (6.1)	260 (10.2)	110 (4.3)	113 (4.4)		1/2"	4.2 (9.3)	1.13 (0.29)
1"	222 (8.7)	377 (14.8)	143 (5.6)	152 (6.0)		2"	8.1 (17.9)	3.15 (0.83)

Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-P023-55) supplied with the product.

Installation note

Install in a horizontal pipeline with the drain directly below.

Note: To ensure that any separated liquid is drained away quickly, a suitable liquid drainer/steam trap must be connected to the drain connection 'E' - consult Spirax Sarco for further details.

Disposal

This product is recyclable. No ecological hazard is anticipated with the disposal of this product providing due care is taken.

How to order

Example: 1 off 3/4" Spirax Sarco S1 separator with SG iron body having screwed BSP connections.