



S8F

Austenitic Stainless Steel Separator Food +


Description

The S8F is an austenitic stainless steel (304L) baffle type separator used for the removal of entrained liquids in steam.

Optional extras

Insulation jackets are available which will increase the performance of the separator, (see TI-P138-01).

Standards

This product fully complies with the requirements of the EU Pressure Equipment Directive and carries the  mark when so required.

Certification

These products are available with a Typical Test Report.

The products are also available with certification to EN 10204 3.1.

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

Food+ can be supplied with material Certification for all wetted parts at extra cost.

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

S8F Food+ DN15 to 100 range available with a food contact regulation Declaration of Compliance

Designed, manufactured, and approved for Steam and Condensate applications, the S8F range Food+ product complies with:

- (EC)1935:2004 Materials and Articles Intended to come into Contact with Food
- (EC)2023:2006 Good Manufacturing Practice for Materials and Articles Intended to come into Contact with Food
- (EU)10/2011 Plastic Materials and Articles Intended to come into Contact with Food
- FDA Code of Federal Regulations - title 21 - Food and Drugs

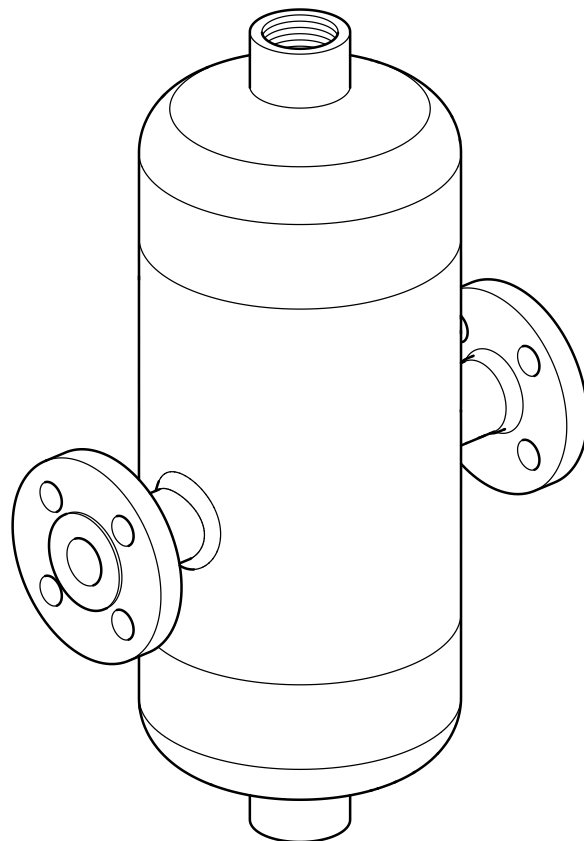
This product is intended to be connected into a system that can operate a food contact compliant process.

A list of the materials that could come directly or indirectly into contact with foodstuffs can be found in the Declaration of Compliance available for this product.

Sizes and pipe connections

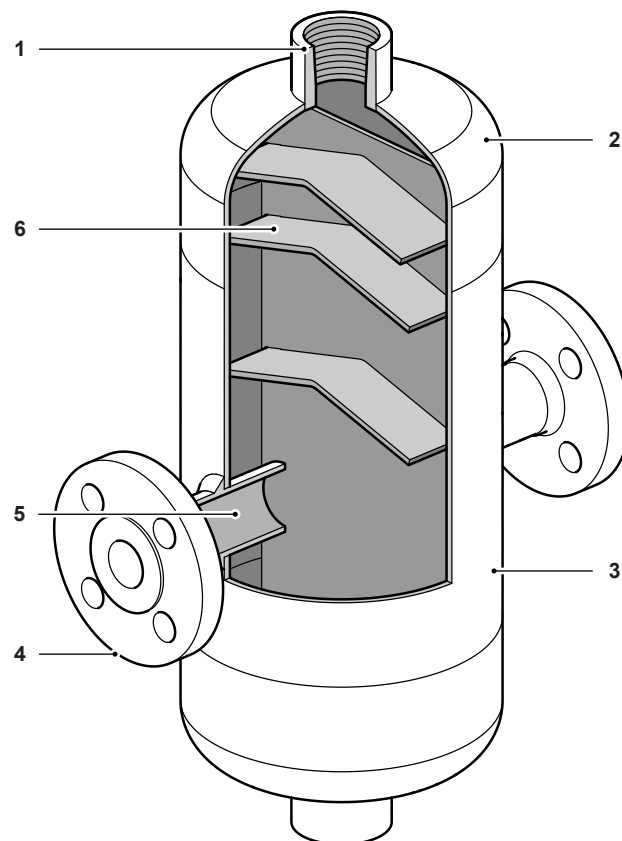
DN15 to DN100.

Flanged EN 1092 PN16 with screwed BSP drain and air vent.

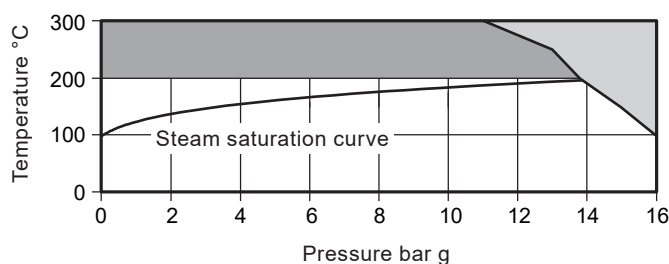


Materials

No.	Part	Material		
1	Drain	Austenitic stainless steel	304L	1.4306
2	Dishes	Austenitic stainless steel	304L	1.4306
3	Body	Austenitic stainless steel	304L	1.4306
4	Flanges	Austenitic stainless steel	304L	1.4306
5	Pipes	Austenitic stainless steel	304L	1.4306
6	Baffle	Austenitic stainless steel	304L	1.4306



Pressure/temperature limits



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

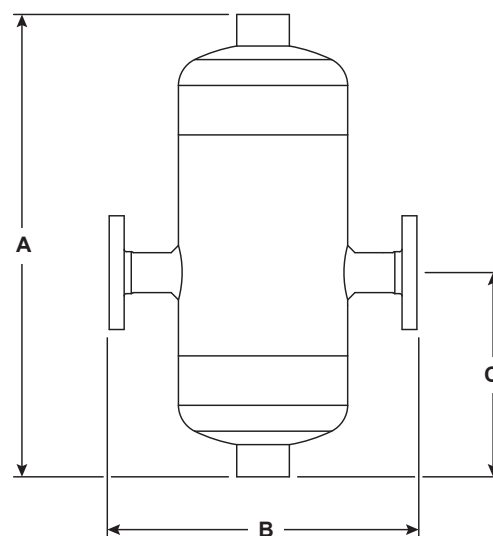
EC1935/2004 product must not be used in this region.

Body design conditions		PN16
PMA	Maximum allowable pressure	15.7 bar g
TMA	Maximum allowable temperature	300 °C
	Maximum EC1935/2004 allowable temperature	200 °C
Minimum allowable temperature		-29 °C
PMO	Maximum operating pressure	15.7 bar g @ 0 °C to 100 °C
TMO	Maximum operating temperature	300 °C @ 10.8 bar g
	Maximum EC1935/2004 operating temperature	200 °C @ 13.7 bar g
Minimum operating temperature		-10 °C
Note: For lower operating temperatures consult Spirax Sarco		
Designed for a maximum cold hydraulic test pressure of:		24 bar g

Dimensions/weights/volume

(approximate) in mm, kg and litres

Size	A	B	C	Weight	Volume
DN15	294	204	150	4.14	1.26
DN20	347	212	146	5.1	1.56
DN25	386	260	171	8	4.36
DN32	440	274	195	9.7	5.16
DN40	508	310	208	13	8.75
DN50	558	310	208	15.1	9.8
DN65	638	420	252	30	14
DN80	735	489	332	46	31
DN100	795	574	337	64	48



Safety information, installation, and maintenance

For full details see the Installation and Maintenance Instructions (IM-P750-02) supplied with the product.

Installation note

Install in a horizontal pipeline with the drain directly below.

To ensure that any separated liquid is drained quickly, a suitable steam trap/liquid drainer must be connected to the drain connection. For those steam systems where air can be present, air can collect in the upper portion of the separator. In this situation a suitable air vent should be connected to the air vent connection.

If an air vent is not being fitted, then the connection must have the plastic transit protection plug removed and must have a stainless-steel class 3 000 lb plug fitted.

Disposal

The product is recyclable. No ecological hazard is anticipated with disposal providing due care is taken.

How to order

Example: 1 off Spirax Sarco DN20 S8F separator with an austenitic stainless-steel body flanged to EN 1092 PN16.