Description

1. Improvement of steam dryness, assurance of using temperature of steam using equipment, and improvement of heat effciency of the equipment.
2. Separation of condensate in front of steam using equipment to prevent water hammer.
3. Adoptable for separation of various kinds of gases and liquids.

Selection of possible applications

Condensate Systems, General Industries, Pharmaceuticals, Power Generation, Primary Processing, Steam Systems

Selection of possible flow media

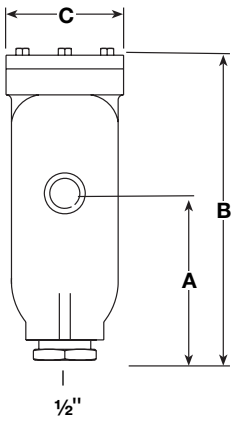
Steam,air,etc.

Steam-water separator

SS1 Steam-water separator

Dimensions and Weights(mm/kg)

Size	A	B	C	Weights
½"	124	225	86	2.7
3/4"	156	260	110	4.2
1 "	222	377	143	8.1



Materials

1	Body	Ductile iron	ASTM A395
2	Cover	Ductile iron	ASTM_ A395
3	Gasket	graphite laminate	
4	Bolts	Steel	ASTM A105
5	Bush	Steel	ASTM A105
6	Baffle	Cast iron	ASTM 310M6

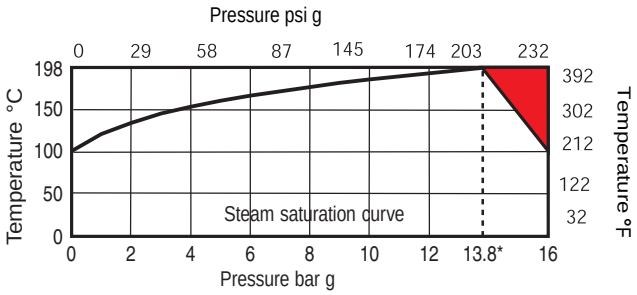
Size and connections

1/2",3/4",1" screwed BSP or NPT

Limits (ISO 6552)

Body design conditions	ANSI clas 150/PN16
Maximum allowable pressure	232 psi g/16 bar g-212°F/100 °C
Maximum allowable temperature	572°F/300°C-159 psi/11 bar
Maximum operating pressure for saturated steam service	203 psi/14 bar

Temperture and Pressure limits



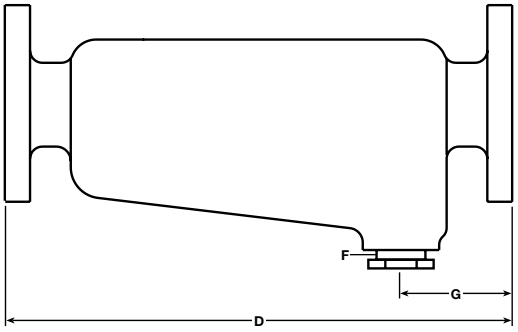
Note:

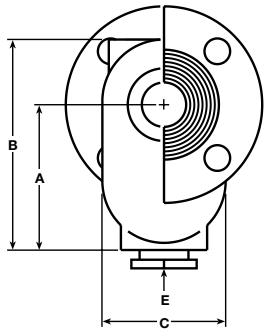
To ensure that any separated liquid is drained away quickly, a suitable liquid drainer/steam trap must be connected to the drain connection.

SS2/3 Steam-water separator

Dimensions and Weights(mm/kg)

Size	A	B	C	D	E	F	G	Weights
1½”	111	156	89	365	½”	1”	94	14
2”	146	205	117	456	½”	1”	98	25
2½”	178	249	146	406	¾”	1½”	98	28
3”	178	252	152	483	1”	1½”	98	36
4”	223	315	197	692	1”	1½”	118	60
5”	226	397	381	706	1”	1½”	121	128
6”	226	397	381	706	1”	1½”	121	130
8”	308	502	426	762	1½”	1½”	140	190





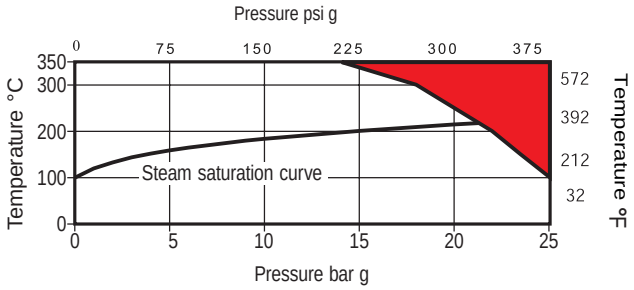
Materials

1	Body	Ductile iron/Cast steel	ÿÿÿÿÿ ASTM A395/216 WCB
2	Cover	Ductile iron/Cast steel	ASTM_ A395/216 WCB
3	Gasket	graphite laminate	
4	Bolts	Steel	ASTM A105
5	Bush	Steel	ASTM A105
6	Baffle	Cast steel	ASTM 310M6

Size and connections

1-1/2",2" screwed BSP or NPT,1-1/2"-8" Flange EN1092
PN16/25,ANSI B 16.5 class150

Temperture and Pressure limits



Limits (ISO 6552)

Body design conditions	ANSI clas 150/PN16-25
Maximum allowable pressure	362 psi g/25 bar g-212°F/100 °C
Maximum allowable temperature	572°F/300°C-159 psi/23 bar
Maximum operating pressure for saturated steam service	319 psi/22 bar

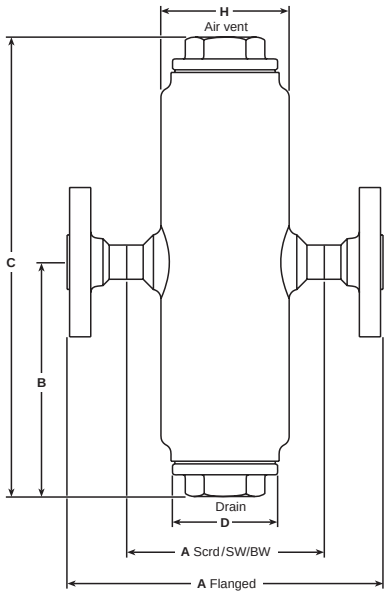
SS5/6 Steam-water separator

Dimensions and Weights(mm/kg)

Size	A（SW/BW）	A(ASME150/300)	B	C	D	H	Weights(S/F)
½”	130	204	150	294	68	90	5.8/7.4
¾”	130	212	146	347	68	90	6.8/9.1
1”	178	260	170	386	68	127	11.9/14.8
1¼”	190	274	195	440	483	141	15.9/18.8
1½”	220	310	208	508	68	168	22.0/26.0
2”	214	310	208	558	68	168	24.0/29.0

Materials

1	Body	Cast steel/Stainless steel	ASTM A216 WCB/F316L
2	Cover	Cast steel/Stainless steel	ASTM_ A216 WCB/F316L
3	Gasket	Reinforced exfoliated grophite	
4	Bolts	Steel	ASTM A105/F316
5	Bush	Steel	ASTM A105/F316
6	Cap	Cast steel	ASTM 310M6 /F316



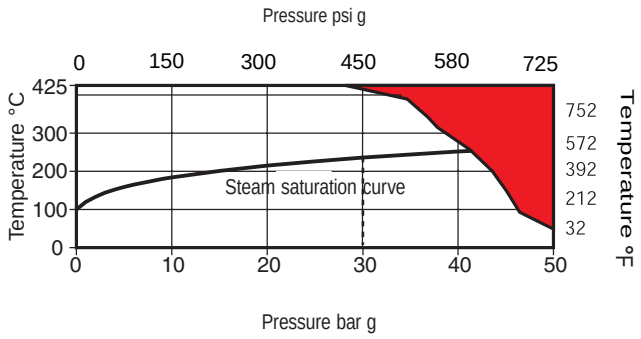
Size and connections

1/2"-2" screwed BSP or NPT,1/2"-8" Flange EN1092
PN16-50,ANSI B 16.5 class 300

Limits (ISO 6552)

Body design conditions	ANSI clas 150-300/PN16-50
Maximum allowable pressure	725 psi g/50bar g-122°F/50 °C
Maximum allowable temperature	797°F/425°C-406 psi/28 bar
Maximum operating pressure for saturated steam service	609 psi/42 bar

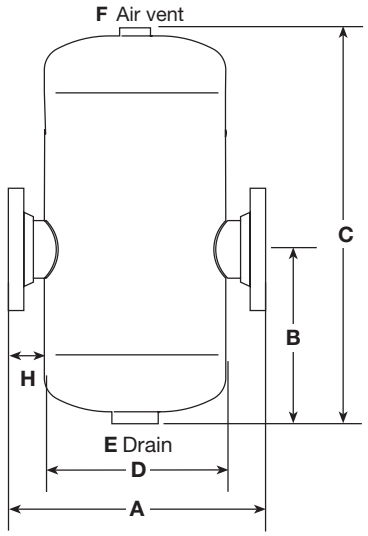
Temperture and Pressure limits



SS7/8 Steam-water separator

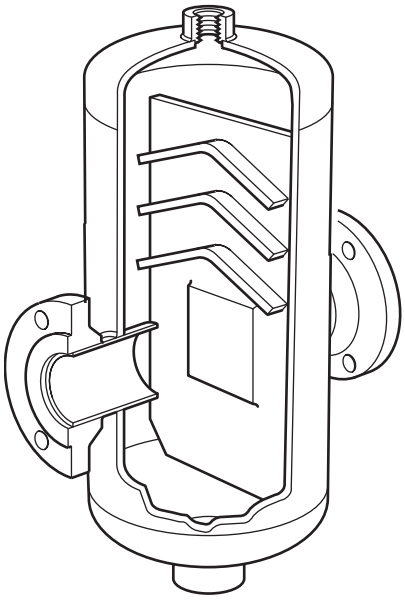
Dimensions and Weights(mm/kg)

Size	A	B	C	D	E	F	H	Weights
2½”	420	252	638	219	1”	¾”	100	47
3”	489	332	735	273	1”	¾”	125	64
4”	574	337	795	324	2”	¾”	125	88
5”	656	340	843	377	2”	¾”	150	120
6”	706	347	935	426	2”	¾”	150	185
8”	858	460	1200	530	2”	2”	175	315
10”	950	615	1580	600	2”	2”	175	593
12”	1010	740	1700	600	2”	2”	200	676
14”	1100	754	1800	700	2”	2”	200	971



Materials

1	Body	Cast steel/Stainless steel	ASTM A216 WCB/F316L
2	Cover	Cast steel/Stainless steel	ASTM_ A216 WCB/F316L
3	Gasket	Reinforced exfoliated grophite	
4	Bolts	Steel	ASTM A105/F316
5	Bush	Steel	ASTM A105/F316
6	Cap	Cast steel	ASTM 310M6 /F316



Size and connections

Flanged EN 1092 PN16 or PN40 with screwed
BSP vent and drain connections.
Flanged ANSI B16.5 Class 150 and 300 with
screwed NPT vent and drain connections.

Limits (ISO 6552)

Body design conditions	ANSI clas 300/PN25
Maximum allowable pressure	362 psi g/25bar g-122°F/50 °C
Maximum allowable temperature	437°F/225°C
Maximum operating pressure for saturated steam service	536 psi/37 bar