

## SC 101

## INDIRECT STEAM GENERATOR FED WITH STEAM

It's made up of horizontal cylindrical body mounted on supporting brackets and extractable inner U-pipe expanded on a single plate.

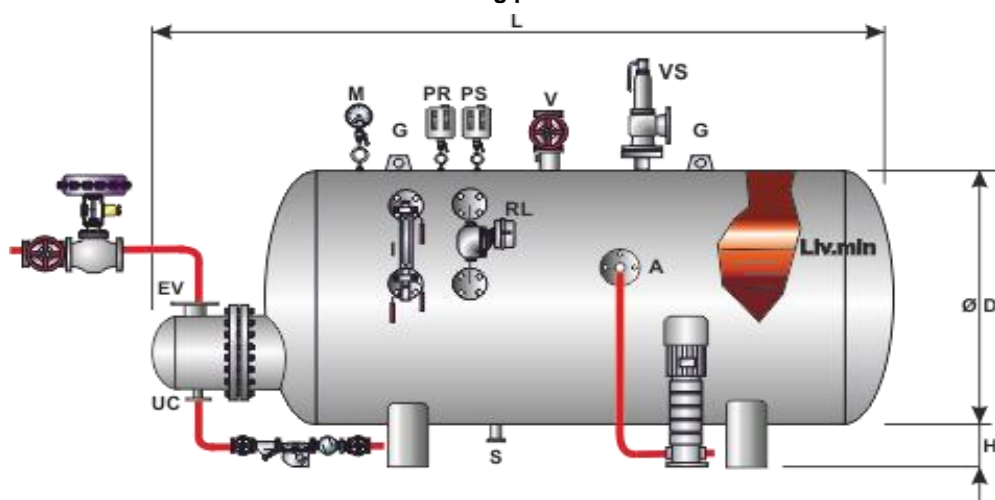
MANUFACTURING TOP	according to I.S.P.E.S.L. - TOP/PLANKING pressure	bar	13 \ 3	13 \ 6
	pipes circuit- saturated steam			
	I.S.P.E.S.L. Test approved	bar	13	13
	design pressure	bar	13	13
	design temperature	°C	195,1	195
	hydraulic proof pressure	bar	18	18
flange connections		PN 16	PN 16	
PLANKING	pipes circuit- saturated steam			
	I.S.P.E.S.L. mark test	bar	3	6
	design pressure	bar	3	6
	design temperature	°C	143,7	165
	hydraulic proof pressure	bar	5	9
	flange connections		PN 16	PN 16

TOP MATERIALS : Carbon steel - painted

PLANKING MATERIALS: Carbon steel - painted

Manufacturing parts in contact with water or steam - AISI 304 Stainless steel was used

Manufacturing parts in contact with water or steam - AISI 316 Stainless steel was used



EV	Steam Inlet (SI)
UC	Condensate Outlet
V	Steam delivery
A	water supply
S	discharged
M	pressure gauge
G	eyebolt
PR	regulator manostat
PS	safety manostat
VS	safety valve
RL	level control
I	level indicator

CODES	MODELS	Ø D mm	L mm	Capacity planking Litri	H mm	E mm	TOP		PLANKING	
							EV DN	UC DN	A DN	S DN
SC10101	A1	600	2350	470	400	1300	50	32	20	25
SC10102	A2	600	2350	470	400	1300	50	32	20	25
SC10103	A3	600	2850	600	400	1550	50	32	20	25
SC10104	A4	600	2850	600	400	1850	65	40	20	25
SC10105	A5	600	3350	750	400	2050	65	40	20	25
SC10106	A6	600	3350	750	400	2050	65	40	20	25
SC10107	A7	600	3350	750	400	2350	65	40	20	25
SC10108	B1	700	2950	800	450	1800	80	40	20	25
SC10109	B2	700	2950	800	450	1800	80	40	20	25
SC10110	B3	700	2950	800	450	1800	80	40	20	25
SC10111	B4	700	3450	1000	450	2000	80	40	20	25
SC10112	B5	700	3450	1000	450	2000	80	40	20	25
SC10113	B6	700	3450	1000	450	2300	80	40	20	25

## SC105

## INDIRECT STEAM GENERATOR FED WITH DIATHERMIC OIL

It's made up of horizontal cylindrical body mounted on supporting brackets and extractable inner U-pipe expanded on a single plate.

Manufactured with steel according to I.S.P.E.S.L Standard, painted with Rust inhibitors treatment.

## TOP SIDE

Primary fluid Diathermic oil temperature from +280°C up to +240°C forced-circulating inside the pipes  
Manufacturing Internal test

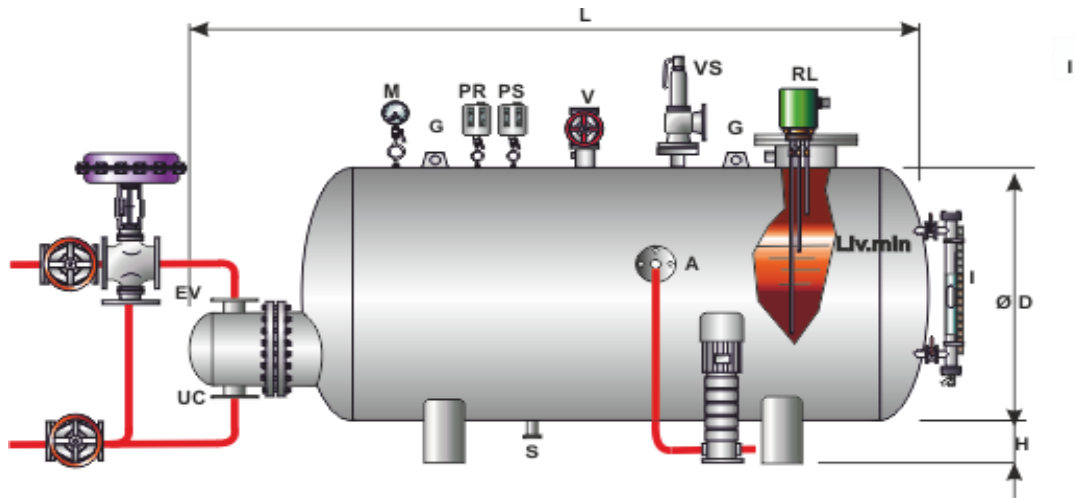
design pressure	bar: 6	EV primary fluid input
design temperature	°C : 300	UC primary fluid output
hidraulic proof pressure	bar: 9	V steam
UNI Connection	PN: 25	A water supply

## PLANKING SIDE

Secondary fluid pipes circuit- saturated steam  
Manufacturing I.S.P.E.S.L. mark test

design pressure	bar: 12	M pressure gauge
design temperature	°C: 191,7	G eyebolt
hydraulic proof pressure	bar: 17	PR regulator manostat
flange UNI	PN: 16	PS safety manostat

VS safety valve
RL level control
I level indicator



CODES	Energetic Capacity	Steam production	Ø D	L	Total Capacity	H	E	EV UC	V	A	S
	Kcal/h	*kg/h									
SC10501	100.000	166	550	2.200	400	400	1.700	32	32	25	25
SC10502	200.000	333	610	2.750	650	400	2.200	50	40	32	25
SC10503	300.000	500	610	3.250	800	400	2.650	50	50	32	25
SC10504	400.000	666	610	3.250	800	400	2.650	65	50	32	25
SC10505	500.000	833	700	3.350	1.050	450	2.650	65	65	32	32
SC10506	600.000	1.000	700	3.350	1.050	450	2.650	80	65	32	32
SC10507	750.000	1.250	800	3.450	1.400	450	2.650	80	80	32	32
SC10508	900.000	1.500	800	3.450	1.400	450	2.650	100	80	32	32
SC10509	1.000.000	1.666	800	3.450	1.400	450	2.650	100	80	32	32
SC10510	1.200.000	2.000	920	3.550	1.900	450	2.700	100	100	32	32
SC10511	1.500.000	2.500	1.030	3.700	2.450	450	2.700	125	100	32	32
SC10512	1.800.000	3.000	1.150	3.750	3.050	500	2.800	125	100	40	32
SC10513	2.000.000	3.333	1.150	3.750	3.050	500	2.800	125	125	40	32
SC10514	2.400.000	4.000	1.250	3.850	3.650	500	2.900	150	125	40	32
SC10515	3.000.000	5.000	1.440	3.950	5.000	500	2.900	150	150	50	40
SC10516	3.600.000	6.000	1.575	4.100	6.000	550	3.000	200	150	50	40
SC10517	4.200.000	7.000	1.575	4.150	6.000	550	3.000	200	150	50	40