



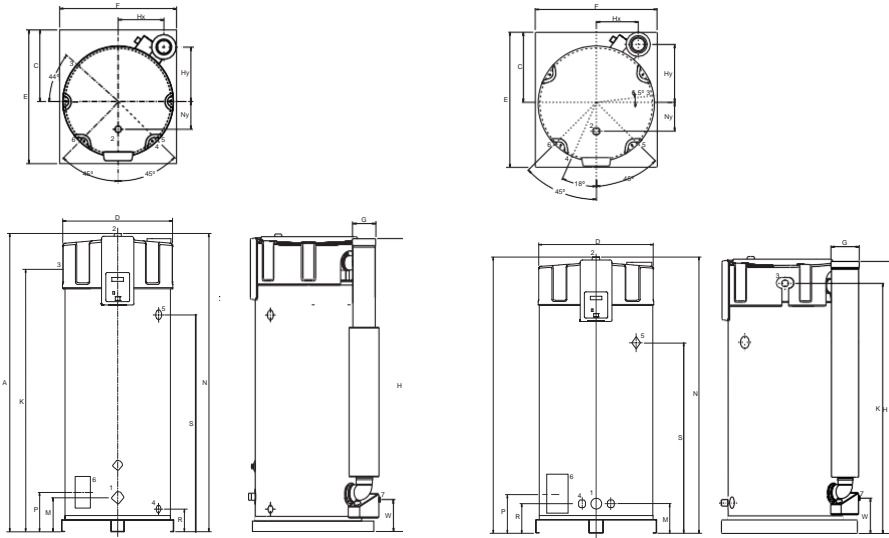
# SSG



## Condensing high efficiency gas-solar water heater

***The SSG range of gas-solar water heaters consists of 7 appliances from 31.0 to 121.8 kW nominal output. A SSG should always be installed with an SIT indirect tank with heat exchanger. These appliances combined can deliver an installation suitable for large industrial applications. The entire installation is controlled through the intelligent solar control.***

- Always installed in combination with an indirect tank with integrated heat exchanger
- Max. solar contribution through integrated intelligent solar controller
- Automatic gas/air premix burning system including burner modulation
- Low-maintenance inert anodes
- Efficiency 97% (gross)
- Well below the maximum NOx emission in accordance with the ErP regulations (September 2018)
- Quiet operation <45 dB(A)
- 1 control and display unit for the entire installation
- Programmable for legionella purge cycle
- Temperature setting from 40°C to 80°C with use of week timer



TECHNICAL DETAILS								
Model		SSG 60-120	SSG 100-150	SSG 100-199	SSG 100-250	SSG 120-300	SSG 120-400	SSG 120-500
Nominal load (gross)*	kW	32.2	33.3	52.2	63.3	86.6	105.5	128.8
Nominal output	kW	31.0	32.7	50.3	60.4	84.2	100.7	121.8
Gas consumption**	m <sup>3</sup> /h	3.1	3.2	5.0	6.0	8.3	10.1	12.3
Heating time ΔT = 45°C	min	22	35	23	19	18	15	12
Recovery time ΔT = 44 °C	min	21	35	22	19	17	15	12
Draw off capacity 1st hour ΔT = 28 °C	ltr	1200	1400	1900	2200	3000	3500	4100
Draw off capacity 1st hour ΔT = 44 °C	ltr	670	760	1200	1400	1800	2100	2500
Draw off capacity 1st hour ΔT = 50 °C	ltr	570	640	950	1200	1600	1800	2200
Draw off capacity continu ΔT = 28 °C	ltr/h	960	1100	1600	1900	2600	3100	3800
Draw off capacity continu ΔT = 44 °C	ltr/h	610	640	990	1200	1700	2000	2400
Draw off capacity continu ΔT = 50 °C	ltr/h	540	570	870	1100	1500	1800	2100
Capacity	ltr	217	368	368	368	480	480	480
Empty weight	kg	202	239	239	239	405	405	405
Supply pressure	mbar	20	20	20	20	20	20	20
Maximum working pressure	kPa (bar)	800 (8)						
Number of anodes	-	1	2	2	2	2	2	2
Power consumption	Watts	45	45	75	115	95	145	240
Electric supplies		230 V -15 % + 10 % VAC / 50 Hz +/- 1 Hz						
DIMENSIONS								
A		1485	2015	2015	2015	2060	2060	2060
C		490	490	490	490	530	530	530
D		705	705	705	705	850	850	850
E		925	925	925	925	1000	1000	1000
F		850	850	850	850	900	900	900
G		100/150	100/150	100/150	100/150	130/200	130/200	130/200
H		1465	1980	1980	1980	1995	1995	1995
Hx		265	265	265	265	310	310	310
Hy		375	375	375	375	440	440	440
K		1380	1910	1910	1910	1855	1855	1855
M		265	255	255	255	225	225	225
N		1485	2015	2015	2015	2060	2060	2060
Ny		205	205	205	205	205	205	205
P		265	270	270	270	290	290	290
R		180	170	170	170	225	225	225
S		995	1505	1505	1505	1425	1425	1425
W		245	240	240	240	240	240	240
1	Cold water supply connection (external)	R 1½	R 1½	R 1½	R 1½	R 1½	R 1½	R 1½
2	Hot water outlet connection (external)	R 1½	R 1½	R 1½	R 1½	R 1½	R 1½	R 1½
3	Gas control connection (external)	R ¾"	R ¾"	R ¾"	R ¾"	R ¾"	R ¾"	R ¾"
4	Drain valve connection (external)	1"	1"	1"	1"	¾"	¾"	¾"
5	T&P valve connection (internal)	1" - 11.5 NPT	1" - 11.5 NPT	1" - 11.5 NPT	1" - 11.5 NPT	1" - 11.5 NPT	1" - 11.5 NPT	1" - 11.5 NPT
6	Cleaning and inspection opening	95 x 70	95 x 70	95 x 70	95 x 70	95 x 70	95 x 70	95 x 70
7	Condensation drainage connection (int.)	Rp 1	Rp 1	Rp 1	Rp 1	Rp 1	Rp 1	Rp 1
ENERGY LABELING (ERP)								
Load Profile		XXL	XXL	XXL	XXL	3XL	3XL	3XL
Energy labeling		A	A	A	A	-	-	-
Efficiency	%	90	90	90	90	93	92	92

Dimensions in mm.

\* Based on natural gas: G20, gross value

\*\* Gas consumption at 15°C and a 1013.25 mbar