



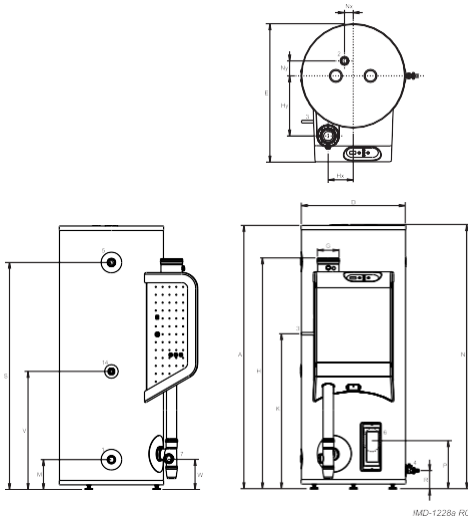
# SSC



## Commercial condensing high efficiency range

***The SSC range consists of 9 condensing sealed water heaters with outputs ranging from 11.7 to 31,3 kW\* and storage capacity from 160 to 380 litres. SSC is the perfect water heater for small to medium-sized applications. The unique construction of the heat exchanger ensures the highest efficiency and limits scaling within the water tank. The SSC is suited for PP flues and can be placed on smaller sites thanks to the flexibility in flue material.***

- Fully room-sealed condensing high-efficiency water heater 98% (gross)
- Automatic gas/air premix burning system including burner modulation
- Delivered with low-maintenance inert anodes
- Well below the maximum NOx emission in accordance with the ErP regulations (September 2018).
- Flexible flue option allows installations to be placed almost anywhere
- Construction of the heat exchangers limits scaling effect
- External on-/off- switch
- Voltage-free contact for general fault indication to BMS
- Maximum set point of 85°C
- Easy access for maintenance and service; all components are accessible through the front cover
- Completely insulated, low stand by losses
- Suitable for plastic flue material



MCD-1228a R0

TECHNICAL DETAILS

Model		SCC 40-40	SCC 40-70	SCC 50-40	SCC 50-70	SCC 65-80	SCC 65-110	SCC 75-80	SCC 75-110	SCC 100-110
Nominal load (gross)	kW	12.1	20.0	12.1	20.0	24.4	32.2	24.4	32.2	32.2
Nominal output*	kW	11.7	19.1	11.9	19.1	23.5	30.7	23.8	31.0	31.3
Gas consumption**	m <sup>3</sup> /h	1.15	1.90	1.15	1.90	2.33	3.07	2.33	3.07	3.07
Heating time ΔT = 45°C	min	28	18	43	28	26	20	33	25	32
Recovery time ΔT = 44 °C	min	27	17	41	27	25	20	31	24	31
Draw off capacity 1st hour ΔT = 28 °C	ltr	600	820	760	990	1200	1400	1400	1600	1800
Draw off capacity 1st hour ΔT = 44 °C	ltr	360	510	470	620	740	870	820	960	1100
Draw off capacity 1st hour ΔT = 50 °C	ltr	310	440	410	540	640	760	720	840	950
Draw off capacity continu ΔT = 28 °C	ltr/h	360	590	370	590	730	950	740	960	970
Draw off capacity continu ΔT = 44 °C	ltr/h	230	380	240	380	470	610	470	610	620
Draw off capacity continu ΔT = 50 °C	ltr/h	210	330	210	330	410	530	410	540	540
Capacity	ltr	160	160	200	200	245	245	285	285	380
Empty weight	kg	95	95	106	106	120	120	136	136	155
Supply pressure	mbar	20	20	20	20	20	20	20	20	20
Maximum working pressure	kPa (bar)	800 (8)	800 (8)	800 (8)	800 (8)	800 (8)	800 (8)	800 (8)	800 (8)	800 (8)
Power consumption	Watts	85	85	85	85	105	105	105	105	105
Electric supplies		230 V -15 % + 10 % VAC / 50 Hz +/- 1 Hz								

DIMENSIONS

		1270	1270	1545	1545	1545	1545	1745	1745	1745
A	Height***	1270	1270	1545	1545	1545	1545	1745	1745	1745
D	Width	560	560	560	560	610	610	610	610	675
E	Depth	760	760	760	760	810	810	810	810	875
H	Height air supply/flue gas discharge***	1310	1310	1310	1310	1350	1350	1350	1350	1350
Hx	X position air supply/flue gas discharge	145	145	145	145	145	145	145	145	145
Hy	Y position air supply/flue gas discharge	325	325	325	325	350	350	350	350	385
K	Height Gas connection***	870	870	870	870	910	910	910	910	910
M	Height Cold water supply***	175	175	175	175	175	175	175	175	175
N	Height hot water outlet***	1270	1270	1545	1545	1545	1545	1745	1745	1745
Nx	X position hot water outlet	50	50	50	50	50	50	50	50	50
Ny	Y position hot water outlet	90	90	90	90	90	90	90	90	90
P	Height cleaning opening***	155	155	155	155	280	280	280	280	280
R	Height drain valve***	105	105	105	105	105	105	105	105	105
S	Height T&P valve connection***	1070	1070	1325	1325	1330	1330	1535	1535	1520
V	Height circulation pipe connection***	605	605	605	605	690	690	690	690	690
W	Height condensation drainage***	180	180	180	180	180	180	180	180	180
1	Cold water (external)	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 1	Rp 1	Rp 1	Rp 1	Rp 1
2	Hot water (external)	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 1	Rp 1	Rp 1	Rp 1	Rp 1
3	Gas control (external)	15	15	15	15	15	15	15	15	15
4	Drain valve (internal)	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
5	T&P valve (internal)	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 1	Rp 1	Rp 1	Rp 1	Rp 1
6	Cleaning and inspection opening	95x70	95x70	95x70	95x70	95x70	95x70	95x70	95x70	95x70
7	Condensation drainage (external)	Ø 40	Ø 40	Ø 40	Ø 40	Ø 40	Ø 40	Ø 40	Ø 40	Ø 40
8	Circulation (internal)	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
9	Flue connection	80/125	80/125	80/125	80/125	80/125	80/125	80/125	80/125	80/125

ENERGY LABELING (ERP)

		XL	XL	XL	XL	XXL	XXL	XXL	XXL	XXL
Load Profile		XL	XL	XL	XL	XXL	XXL	XXL	XXL	XXL
Energy labeling		A	A	A	A	A	A	A	A	A
Efficiency	%	92	92	94	91	92	92	91	90	90

Dimensions in mm.

\* Based on natural gas: G20, gross value

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

\*\*\* This is the minimal height. When the adjustable legs under the water heater are fully extended, the height is 20 mm higher.