



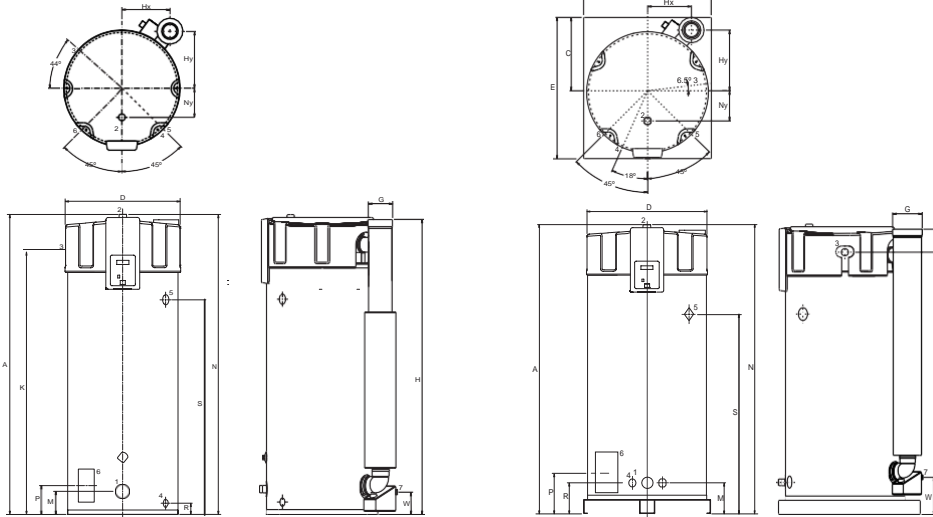
SUF



Commercial condensing high efficiency range

The SUF range direct-fired gas water heaters provide a new level of economy and efficiency in hot water production. All models are fully condensing and incorporate a burner modulation giving up to 97% thermal efficiency and are designed to operate as a room sealed system in both vented and unvented commercial / industrial applications. With vertical or horizontal concentric or parallel flue kits, up to 100 meter in length, the range is particularly useful where extensive conventional flues are either not possible or practical.

- Fully room-sealed condensing high-efficiency water heater 97% (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)
- Quiet operation <45 dB(A)
- Temperature setting from 40°C to 80°C with use of week timer
- Flexible flue options, up to a 100 meters
- Easy fault diagnosis and computer controlled digital week timer
- Programmable for legionella purge cycle



TECHNICAL DETAILS

Model		SUF 60-120	SUF 100-150	SUF 100-199	SUF 100-250	SUF 120-300	SUF 120-400	SUF 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 ³ /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	1300	1500	2100	2400	3100	3600	4300
Draw off capacity 1st hour ΔT = 44 °C	ltr	730	870	1300	1500	1900	2300	2600
Draw off capacity 1st hour ΔT = 50 °C	ltr	630	730	1100	1300	1700	2000	2300
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	177	214	214	214	405	405	405
Supply pressure	mbar	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)
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

		SUF 60-120	SUF 100-150	SUF 100-199	SUF 100-250	SUF 120-300	SUF 120-400	SUF 120-500
A		1390	1925	1925	1925	2060	2060	2060
C		-	-	-	-	530	530	530
D		705	705	705	705	850	850	850
E		-	-	-	-	1000	1000	1000
F		-	-	-	-	900	900	900
G		100/150	100/150	100/150	100/150	130/200	130/200	130/200
H		1365	1890	1890	1890	1995	1995	1995
Hx		265	265	265	265	310	310	310
Hy		375	375	375	375	440	440	440
K		1285	1815	1815	1815	1855	1855	1855
M		170	160	160	160	225	225	225
N		1390	1925	1925	1925	2060	2060	2060
Ny		205	205	205	205	205	205	205
P		170	175	175	175	290	290	290
R		85	75	75	75	225	225	225
S		900	1410	1410	1410	1425	1425	1425
W		125	145	145	145	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)

		SUF 60-120	SUF 100-150	SUF 100-199	SUF 100-250	SUF 120-300	SUF 120-400	SUF 120-500
Load Profile		XXL	XXL	XXL	XXL	3XL	3XL	3XL
Energy labeling		A	A	A	A	-	-	-
Efficiency	%	91	91	91	90	93	93	92

Dimensions in mm.

* Based on natural gas: G20, gross value

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