DHW boilers with integrated station – TOTAL COMPLETE

W-TOT 200C | 300C | 500C

Tanks in S235JR carbon steel with enamelling treatment, protected by a layer of long-lasting porcelain enamel, with 2 exchangers.
Electrical resistance can be fitted on all versions.
These models are used for DHW production with solar energy and boiler.
Enamelling and sizing of the magnesium anodes (supplied as standard) are carried out in accordance with DIN 4753 p.3.
The exterior is made of laminated PVC jacket.

7 YEARS WARRANTY

SPECIFICATIONS			200	300	500
Capacity		[l]	198	283	488
Total height with insulation (**H**)		[mm]	1265	1710	1785
Tippping height		[mm]	1435	1850	1970
Diameter with insulation		[mm]	605	605	755
Insulation		[mm]	50 (Direct PU foam)		
Anti-corrosion protection			Enamel coating in accordance with DIN4753, magnesium anode		
Maximum internal protrusion electrical resistance		[mm]	500		
Maximum electrical resistance power		[kW]	2	2,5	4
Heat loss		[W]	59	74	94
Energy class – Total dispersion		[-]	C 61W	C 73W	C 94W
Weight		[Kg]	85	110	160
Max boiler pressure		[bar]	10		
Testing pressure		[bar]	15		
Max boiler temperature		[°C]	95		
Max exchanger temperature		[°C]	110		
Exchanger surface	sup.	[m^2]	0,8	0,8	1,1
	inf.		0,8	1,5	2,1
Exchanger water content	sup.	[l]	5,1	5,1	7
	inf.		5,1	9,8	13,3
Exchanger water flow rate required	sup.	[m^3/h]	1,0	1,0	1,4
	inf.		1,0	1,9	2,7
DHW Produc. (DIN 4708) 80°/60°C – 10°/45°C	sup.	[m^3/h]	0,6	0,6	0,8
	inf.		0,6	1,1	1,5
Power absorption	sup.	[kW]	23,7	23,7	32,6
	inf.		23,7	44,5	62,3
Pressure losses (flow rate 1 m^3/h)	sup.	[mbar]	1,9	1,9	2,3
	inf.		2,0	3,5	4,8

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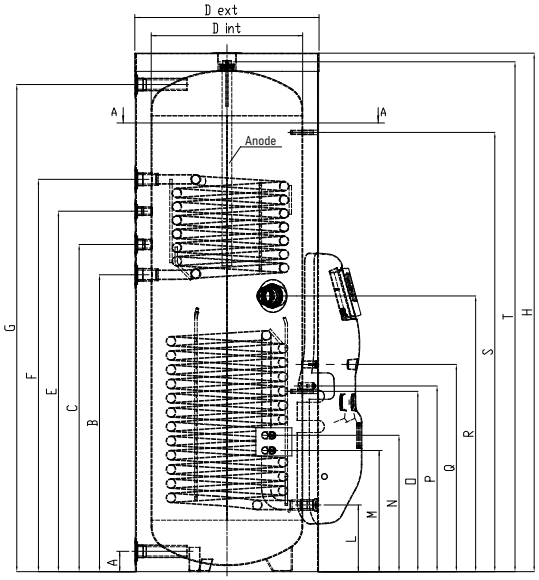
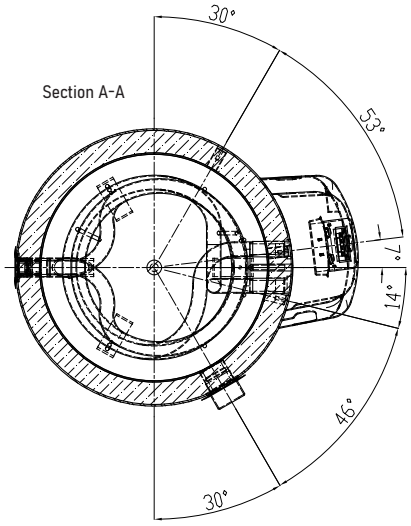
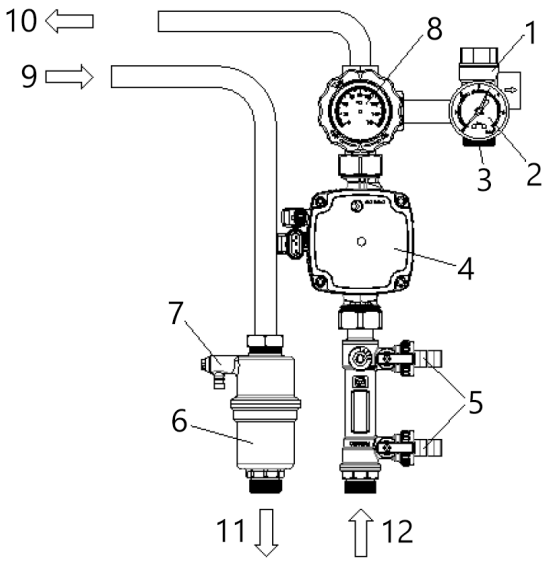
BOILER STRUCTURE





COUPLINGS / QUOTAS		COUPLINGS	QUOTAS [mm]		
			W-TOT 200C	W-TOT 300C	W-TOT 500C
Probe/Thermometer	S	Øint. 10mm	1010	1450	1480
Electrical resistance	R	1"1/2 IG	630	910	915
Mounting bracket	Q/P	M8	684/613	684/613	749/678
Solar probe	O	Øint. 10mm	520	595	650
Solar output	L	3/4" IG	220	220	285
Solar return	L	3/4" IG	220	220	285
Anode mg	T	1"1/4 IG	1230	1675	1750
Hot water	G	1" IG (200-300) 1"1/4 IG (500)	1163	1608	1595
Heating output	F	1" IG	995	1295	1335
Recirculation	E	3/4" IG (200-300) 1" IG (500)	780	1080	1115
Heating probe	C	1/2" IG	890	1190	1225
Heating return	B	1" IG	680	980	985
Support for solar expansion vessel	M/N	M8	400/450	400/450	400/450
Cold water	A	1" IG (200-300) 1"1/4 IG (500)	67	67	175

INTEGRATED STATION STRUCTURE



ELEMENTS	
1	Solar safety valve
2	Pressure gauge
3	Connection for solar expansion vessel
4	Circulation pump
5	Filling/ventilation/flushing valve
6	Air bubble separator
7	Vent valve
8	Shut-off valve/Thermometer
9	Solar output (hot) – Copper connection Ø 18mm
10	Solar return (cold) – Copper connection Ø 18mm
11	Boiler output
12	Boiler return

TECHNICAL DATA	
Minimum input pressure	0,5 bar @ 95°C (liquid temperature)
Max. operating pressure	10 bar
Max. operating temperature	110°C
Circulation pump	GRUNDFOS HVAC UPM3 SOLAR 15-75 130
Power absorption (pump)	20-45 W
Power supply	220V AC / 50Hz