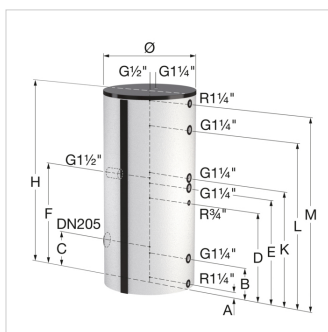


## Product Data Sheet (2021-07-21)

### 19320 - FlexTherm Duo Solar 750



Description	FlexTherm Duo Solar 750L+ins w(18378+93)	
Article	19320	
Model	FlexTherm Duo Solar 750 - 1000	
Capacity [l]	750	
Dimensions *	Ø [mm]	750
	H [mm]	1970
	Tilting height [mm]	2070
Heating surface area [m <sup>2</sup> ] **	2.0 / 2.7	
Heating capacity [kW] ***	40.3 / 67.1	
Water capacity [l/h] ***	700 / 1166	
Insulation colour	white	
Weight [kg]	320	



### Classification General Data

<b>Etim Group</b>	Boilers and heaters
<b>Etim Class</b>	Hot tap water boiler indirectly heated
<b>Product Name</b>	FlexTherm Duo Solar 750L+ins w(18378+93)
<b>Brand</b>	Flamco
<b>Product Type</b>	750

### Attributes

<b>Material boiler tank</b>	Steel
<b>Material casing</b>	Other
<b>Max. transferable capacity 80/10-45 [kW]</b>	67.1
<b>Surface protection of tank</b>	Enamelled
<b>Volume [l]</b>	750
<b>Heat transfer</b>	Spiral
<b>Double separation</b>	No
<b>Wall set-up</b>	No
<b>Vertical positioning</b>	Yes
<b>Max. primary operating pressure [bar]</b>	10
<b>Max. secondary operating pressure [bar]</b>	16
<b>With pressure reducing valve</b>	No
<b>With pressure gauge</b>	No
<b>With thermometer</b>	Yes
<b>With cleaning opening</b>	No
<b>Protective anode</b>	Yes
<b>Height [mm]</b>	1970
<b>Width [mm]</b>	750
<b>Depth [mm]</b>	750
<b>Cold tap water connection</b>	External thread
<b>Outer pipe diameter cold tap water [mm]</b>	42.4
<b>Hot tap water connection</b>	External thread
<b>Outer pipe diameter hot tap water [mm]</b>	42.4
<b>Circulation pipe connection</b>	External thread
<b>Nominal diameter circulation pipe</b>	3/4 inch (20)
<b>Outer pipe diameter circulation pipe [mm]</b>	26.9
<b>Connection, drainage connection</b>	Other
<b>Outer pipe diameter drainage connection [mm]</b>	42.4
<b>Primary connection</b>	Other
<b>Outer pipe diameter primary connection [mm]</b>	42.4

Type	Distance from floor to connection centres								
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	L [mm]	M [mm]
<b>FlexTherm Duo Solar 750</b>	60	320	405	890	1040	1200	1140	1620	1880
<b>FlexTherm Duo Solar 1000</b>	70	330	415	960	1260	1210	1260	1740	2140

Technical specifications	FlexTherm Duo Solar					
	200	300	400	500	750	1000
Total heat loss (EN 12897) [W]	83	89	95	109	116	144
Energy label	C	C	C	C	C	C
Heating of vessel content by upper coil (non-solar) [l]	61	129	148	174	282	394
Performance index (T => 60 °C) [NL] *	0.9 / 4.0	2.9 / 8.6	3.4 / 14.0	4.3 / 20.0	11.0 / 29.0	17.0 / 42.0
Continuous power (T => 45 °C) [kW] **	17.4 / 26.8	31.5 / 42.8	34.4 / 51.3	34.4 / 65.4	58.5 / 97.7	66.3 / 107.5
Continuous power (T => 60 °C) [kW] *	12.0 / 18.6	21.7 / 29.5	23.6 / 35.4	23.6 / 45.2	40.3 / 67.1	46.0 / 73.9
Continuous power (T => 70 °C) [kW] **	13.9 / 21.5	25.2 / 34.3	27.5 / 41.1	27.5 / 52.4	46.9 / 78.2	53.5 / 86.1
Peak flow (T => 40 °C) [l/10 min.] *	96 / 147	165 / 200	202 / 294	214 / 300	373 / 574	443 / 600
Peak flow (T => 60 °C) [l/10 min.] *	72 / 144	133 / 200	160 / 287	176 / 300	298 / 549	378 / 600
Continuous output (T => 40 °C) [l/h] *	421 / 653	762 / 1038	831 / 1245	831 / 1588	1417 / 2362	1616 / 2599
Continuous output (T => 40 °C) [l/h] **	521 / 799	939 / 1279	1026 / 1532	1026 / 1953	1746 / 2917	1994 / 3211
Continuous output (T => 45 °C) [l/h] **	431 / 662	778 / 1059	850 / 1269	850 / 1617	1446 / 2415	1651 / 2659
Continuous output (T => 60 °C) [l/h] *	208 / 323	376 / 513	410 / 615	410 / 785	700 / 1166	798 / 1283
Continuous output (T => 70 °C) [l/h] **	202 / 312	365 / 497	398 / 595	398 / 759	678 / 1132	774 / 1246
First hour output (T => 40 °C) [l/h] *	447 / 691	800 / 1066	895 / 1331	906 / 1629	1554 / 2543	1790 / 2794
First hour output (T => 60 °C) [l/h] *	246 / 413	447 / 633	502 / 799	518 / 982	881 / 1521	1043 / 1734
First hour output (T => 70 °C) [l/h] **	240 / 403	437 / 620	490 / 782	507 / 961	861 / 1492	1021 / 1704
Heat up time (T => 40 °C) [min.] **	7 / 15	8 / 14	9 / 16	10 / 15	10 / 15	12 / 19
Heat up time (T => 45 °C) [min.] **	9 / 18	10 / 17	10 / 19	12 / 19	12 / 19	14 / 23
Heating surface of the coil [m <sup>2</sup> ]	0.50 / 0.90	1.00 / 1.30	1.00 / 1.60	1.00 / 2.00	2.00 / 2.70	2.10 / 2.30
Pressure drop coil 80/60 °C [kPa]	1.0 / 1.6	3.4 / 6.8	4.7 / 10.2	4.7 / 18.7	1.1 / 5.4	1.8 / 7.3
Set drain rate [l/min.]	15 / 15	20 / 20	30 / 30	30 / 30	60 / 60	60 / 60
Heated potable water flow (T => 60 °C) [l/h] *	850 / 800	1200 / 1500	1400 / 1700	1400 / 2100	2000 / 3900	2500 / 4400

\* Hot leg temperature: 80 °C, cold water temperature: 10 °C.

\*\* Hot leg temperature: 90 °C, cold water temperature: 10 °C.

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