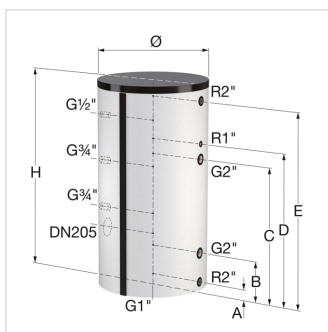


**Product Data Sheet (2021-07-21)**
**19310 - FlexTherm Duo 1500**


Description	FlexTherm DUO 1500L+ins. w.(18450+18452)	
Article	19310	
Model	FlexTherm Duo 1500 - 3000	
Capacity [l]	1500	
Dimensions *	Ø [mm]	1000
	H [mm]	2320
	Tilting height [mm]	2480
Heating surface area [m <sup>2</sup> ]	6.4	
Heating capacity [kW] **	143	
Water capacity [l/h] **	2383	
Insulation colour	white	
Weight [kg]	570	



### 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 1500L+ins. w.(18450+18452)
<b>Brand</b>	Flamco
<b>Product Type</b>	1500

### Attributes

<b>Material boiler tank</b>	Steel
<b>Material casing</b>	Other
<b>Max. transferable capacity 80/10-45 [kW]</b>	143
<b>Surface protection of tank</b>	Enamelled
<b>Volume [l]</b>	1500
<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>	Yes
<b>Protective anode</b>	Yes
<b>Height [mm]</b>	2320
<b>Width [mm]</b>	1000
<b>Depth [mm]</b>	1000
<b>Cold tap water connection</b>	External thread
<b>Outer pipe diameter cold tap water [mm]</b>	60.3
<b>Hot tap water connection</b>	External thread
<b>Outer pipe diameter hot tap water [mm]</b>	60.3
<b>Circulation pipe connection</b>	Other
<b>Nominal diameter circulation pipe</b>	2 inch (50)
<b>Outer pipe diameter circulation pipe [mm]</b>	60.3

Type	Distance from floor to connection centres				
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]
<b>FlexTherm Duo 1500</b>	85	435	1555	1735	2235
<b>FlexTherm Duo 2000</b>	105	455	1575	1755	2255
<b>FlexTherm Duo 3000</b>	95	470	1590	2205	2730

Technical specifications	FlexTherm Duo										
	120	150	200	300	400	500	750	1000	1500	2000	3000
<b>Total heat loss (EN 12897) [W]</b>	56	63	83	87	96	102	117	145	160	181	n/a
<b>Energy label</b>	C	C	C	C	C	C	C	C	C	C	n/a
<b>Insulation thickness [mm]</b>	80	80	80	80	80	80	80	80	100	100	100

Technical specifications	FlexTherm Duo										
	120	150	200	300	400	500	750	1000	1500	2000	3000
Performance index (T => 60 °C) [NL]	1.3	2.1	4.0	8.6	14.0	20.0	29.0	42.0	80.0	110.0	201.0
Continuous power (T => 45 °C) [kW] **	14.7	16.7	26.8	42.8	51.3	65.4	97.7	107.5	207.9	247.9	247.9
Continuous power (T => 60 °C) [kW] **	10.2	11.6	18.6	29.5	35.4	45.2	67.1	73.9	143.0	170.0	170.0
Continuous power (T => 70 °C) [kW] **	11.8	13.5	21.5	34.3	41.1	52.4	78.2	86.1	166.5	198.2	198.2
Peak flow (T => 40 °C) [l/10 min.] *	94	100	147	200	294	300	574	600	800	1000	1200
Peak flow (T => 60 °C) [l/10 min.] *	89	100	144	200	287	300	549	600	800	1000	1200
Continuous output (T => 40 °C) [l/h] *	357	409	653	1038	1245	1588	2362	2599	5028	5980	5980
Continuous output (T => 40 °C) [l/h] **	440	500	799	1279	1532	1953	2917	3211	6208	7402	7402
Continuous output (T => 45 °C) [l/h] **	364	414	662	1059	1269	1617	2415	2659	5141	6128	6128
Continuous output (T => 60 °C) [l/h] *	177	202	323	513	615	785	1166	1283	2483	2951	2951
Continuous output (T => 70 °C) [l/h] **	171	195	312	497	595	759	1132	1246	2410	2869	2869
First hour output (T => 40 °C) [l/h] *	391	442	691	1066	1331	1629	2543	2794	4978	5985	6336
First hour output (T => 60 °C) [l/h] *	236	272	413	633	799	982	1521	1734	2990	3662	4190
First hour output (T => 70 °C) [l/h] *	231	266	403	620	782	961	1492	1704	2933	3600	4132
Heat up time (T => 40 °C) [min.] **	16	18	15	14	16	15	15	19	14	16	24
Heat up time (T => 45 °C) [min.] **	20	22	18	17	19	19	19	23	18	20	29
Set drain rate [l/min.]	10	10	15	20	30	30	60	60	80	100	120

Technical specifications	FlexTherm Duo										
	120	150	200	300	400	500	750	1000	1500	2000	3000
Hot water flow (T => 60 °C) [l/h] *	500	500	800	1500	1700	2100	3900	4400	8000	11000	11000
Heating surface of the coil [m²]	0.5	0.6	0.9	1.3	1.6	2.0	2.7	3.2	6.4	7.3	7.3
Pressure drop coil 80/60 °C [kPa]	0.4	0.5	1.6	6.8	10.2	18.7	5.4	7.3	5.0	9.8	9.8

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

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

n/a = not applicable.

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