

**Indirect unvented cylinders for potable water installations.**

Economical, high performance, stainless steel vessels for hot and cold water storage. Tanks for use in all closed circuit water supply systems, demand satisfied by storage volume.

FlexTherm Supastor indirect unvented cylinders have been designed around UK specifications, being compact, easy to install with 'in-line' connections and are supplied with all necessary controls including a 2 port motorised valve.

Application of Use: Domestic and Commercial.

**Technical Specifications**

Technical specification:

- Maximum working pressure: 6.0 bar.
- Maximum working temperature: 90 °C.
- T&P; tapping: 3/4" F.
- T&P; pressure setting: 7.0 bar.
- T&P; temperature setting: 90 °C.
- Expansion relief valve setting: 6.0 bar.
- Electrical Heaters: 3 kW 230V/50Hz Immersion Heater (Factory standard, but other Immersion heaters can be used (See table for compatibility))

Materials:

- Tank: Stainless steel DUPLEX LDX 2101 (EN1.4162).
- Coils and Connections: Stainless steel AISI 316L.

Insulation & Casing:

- 125 - 500 L: 50 mm CFC-free and HCFC-free polyurethane thermal insulation with Painted Galvanized carbon steel DX51D.
- 800 - 1000 L: 100 mm HITEC thermal insulation with ABS Silver Grey Casing.



Description	FlexTherm Supastor-V 300L Indirect + Kit	
Order Code	45214	
GTIN	08712874452145	
Model	<a href="#">FlexTherm Supastor Indirect 125 - 1000</a>	
Capacity [l]	300	
Heating surface area [m <sup>2</sup> ]	1.31	
Heating capacity [kW]	42.6	
Water capacity [l/h]	815	
Dimensions	Ø [mm]	620
	H [mm]	1590
Insulation colour	white	
Weight [kg]	65	

\* Dimensions excluding insulation.


**FlexTherm Supastor Indirect - Performance**

Technical specifications	FlexTherm Supastor Indirect								
	125	150	170	200	250	300	500	800	1000
Energy Efficiency (EN 12897) [W]	37	37	37	36	37	37	36	n/a	n/a
Energy label	B	B	C	C	C	C	C	n/a	n/a
Total heat loss [W]	48	52	62	77	83	94	133	133	231
Standing heat loss [kWh/24hr]	1.15	1.25	1.49	1.85	1.99	2.26	3.19	3.19	5.54
Heating surface area [m <sup>2</sup> ]	0.46	0.56	0.56	0.86	0.93	1.31	1.60	2.21	2.21
Coil pressure drop [mbar]	40	42	42	77	80	92	96	96	123
Rated power output 82/71 °C [kW]	21.7	23.0	22.5	31.7	33.2	42.6	50.2	82.2	80.1
Water capacity [l/h]	415	440	430	605	635	815	960	1570	1530
Primary flow rate required for primary heating power [l/min.]	25	34	34	42	42	59	60	92	92
Heat up time [mins] *	21	23	25	30	34	39	48	50	57
Re-heat-up time 70% draw off [mins] *	14	15	17	20	22	24	31	33	37
Hot water storage tank volume [l]	126	151	169	200	250	294	498	770	1000
Expansion vessel (Airfix P, 10 bar) [l]	12	12	12	12	12	12	24	35	35
Weight empty [kg]	36	42	48	50	59	65	100	165	197
Weight full [kg]	159	190	216	250	305	354	495	916	1193

\* Heat up time and re-heat time are based on a primary flow temperature of 60 °C and a temperature rise from 15 °C to 60 °C.  
n/a = not applicable.

**Connection diagram FlexTherm Supastor Indirect 125 - 1000**

Type	Distance from floor to connection centres								
	A [mm]	B/C [mm]	D [mm]	E [mm]	F [mm]	K [mm]	M [mm]	N [mm]	O [mm]
FlexTherm Supastor Indirect 125	-	196	299	421	471	-	651	751	1020
FlexTherm Supastor Indirect 150	-	196	341	486	536	-	786	911	1180
FlexTherm Supastor Indirect 170	-	196	341	486	536	-	881	1031	1260
FlexTherm Supastor Indirect 200	-	196	376	646	696	-	981	1211	1440
FlexTherm Supastor Indirect 250	-	196	396	676	726	-	1271	1531	1760
FlexTherm Supastor Indirect 300	-	218	448	733	783	-	1153	1333	1590
FlexTherm Supastor Indirect 500	-	225	500	835	885	-	1440	1640	1640
FlexTherm Supastor Indirect 800	?	380	650	900	960	1160	1240	1490	1490
FlexTherm Supastor Indirect 1000	?	380	650	900	960	1160	1575	1920	1920

**Connections FlexTherm Supastor Indirect 125 - 1000**

Type	Connections								
	Drain (A)	Boiler return (B)	Cold water inlet (C)	Aquastat pocket * (D)	Boiler Flow (E)	Immersion Heater (F & K)	Secondary Return (M)	T&P Relief Valve (N)	Hot Water Draw Off (O)
FlexTherm Supastor Indirect 125	-	22 mm	22 mm	?	22 mm	1 3/4" F	1/2" F (Blank)	3/4" F	22 mm
FlexTherm Supastor Indirect 150	-	22 mm	22 mm	?	22 mm	1 3/4" F	1/2" F (Blank)	3/4" F	22 mm
FlexTherm Supastor Indirect 170	-	22 mm	22 mm	?	22 mm	1 3/4" F	1/2" F (Blank)	3/4" F	22 mm
FlexTherm Supastor Indirect 200	-	22 mm	22 mm	?	22 mm	1 3/4" F	1/2" F (Blank)	3/4" F	22 mm
FlexTherm Supastor Indirect 250	-	22 mm	22 mm	?	22 mm	1 3/4" F	1/2" F (Blank)	3/4" F	22 mm
FlexTherm Supastor Indirect 300	-	22 mm	22 mm	?	22 mm	1 3/4" F	1/2" F (Blank)	3/4" F	22 mm
FlexTherm Supastor Indirect 500	-	28 mm	28 mm	?	28 mm	1 3/4" F	1/2" F (Blank)	3/4" F	28 mm
FlexTherm Supastor Indirect 800	1" F	1" F	1 1/2" F	?	1" F	1 3/4" F	1 1/2" F	3/4" F	1 1/2" F
FlexTherm Supastor Indirect 1000	1" F	1" F	1 1/2" F	?	1" F	1 3/4" F	1 1/2" F	3/4" F	1 1/2" F

\* 800 - 1000 Litres: Sensor

**FlexTherm Supastor Indirect - Selection Guide**

Property Type	Size [l]
1/2 beds with 1 bath / shower	125
3 beds with 1 bath / shower	150 or 170
4 beds with 1 bath / shower	170 or 200
2/3 beds with 2 baths / showers	200
4/5 beds with 2 baths / showers	200 or 250
Sports club, restaurant etc.	300 or 500
Hotels, schools etc.	800 or 1000

**Immersion Size Compatibility Chart**

Immersion sizes	FlexTherm Supastor Indirect							-	-
	125	150	170	200	250	300	500	800	1000
3 kW	✓	✓	✓	✓	✓	✓	✓	✓	✓
6 kW	✓	✓	✓	✓	✓	✓	✓	✓	✓
9 kW	n/a	n/a	n/a	n/a	n/a	n/a	✓	✓	✓
12 kW	n/a	n/a	n/a	n/a	n/a	n/a	✓	✓	✓
18 kW	n/a	n/a	n/a	n/a	n/a	n/a	n/a	✓	✓

n/a = not applicable.

**Classification General Data**

Etim Group	
Etim Class	
Product Name	FlexTherm Supastor-V 300L Indirect + Kit
Brand	FLAMCO
Product Type	Water Heaters - SST
Artikelnummer	45214
GTIN	08712874452145

**Find more information online:**

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Washway Lane  
UK-WA10 6PB, St Helens, Merseyside - gb

T +44 17 447 447 44  
E [uk.info@aalberts-hfc.com](mailto:uk.info@aalberts-hfc.com)  
I [flamcogroup.com/uk-en](http://flamcogroup.com/uk-en)