

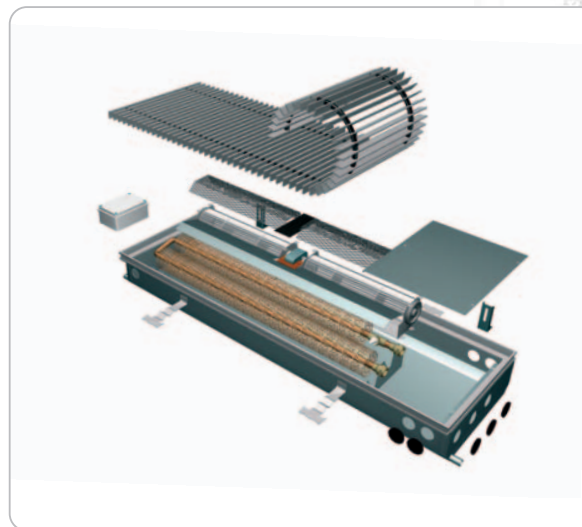
CONVECTOR WITH TANGENTIAL FANS

OPLFLEX FLT 21

APPLICATION

Universal convector for both heating and cooling of interior spaces. It is based on an adaptation of the FLT20 model. Waterproof, stainless cabinet with a condensate flow off.

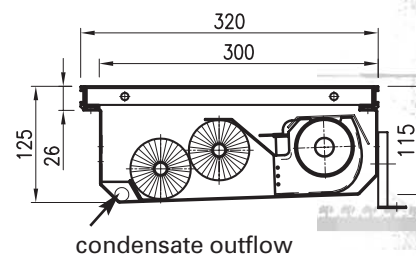
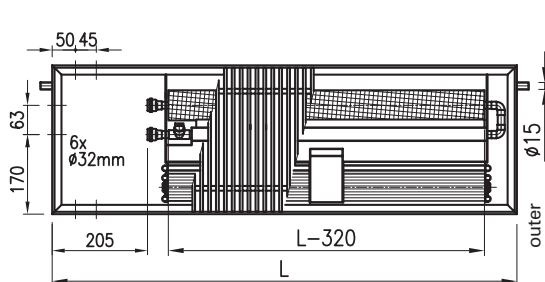
The heater combines the advantages of wire exchangers with sufficient heat requirements for heating and cooling output. The heater is not designed for gravity circulation heating. For dry conditions.



DIMENSIONS AND SECTIONS

CONVECTOR	width (mm)	length (mm)
height (mm)	320	in 40 mm segments
125	FLT21-12	1 000–2 200

FLT 21



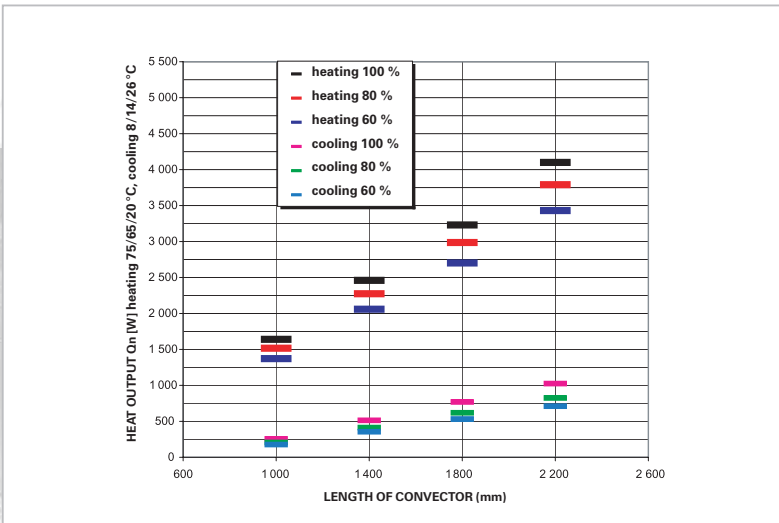
OPERATING CONDITIONS

- Hot (cold) water heating system with forced circulation
- Internal connecting thread G1/2"
- Maximum operating temperature of the heating medium 110 °C
- Maximum operating pressure of the heating medium 1 MPa
- Electric components with IP 20 protection, operational voltage 230 V, application in dry conditions
- The convector as a whole is constructed for ambient temperatures of + 2 up to 40 °C at relative water content 20–70 %

FLT 21



Performance curves of FLT convectors at 75/65/20 °C



TECHNICAL INFORMATION

Convector contains:

- convector cabinet made of 17 240 stainless steel of 1 mm gauge
- upper frame from satin anodized aluminium
- walkway grill according to customer's specifications (page 30)
- Cu-Cu wire exchanger with a ventilation valve
- tangential fan with rotor housing
- cover plate for water connection
- regulation screwing and ball cock
- installation angle bars and aligner screws
- installation instructions
- electric connection diagram
- installation wood particle board
- double shipping container

DETAILED OUTPUT TABLES *)

Heating	t _w (t ₁ /t ₂)	speed (%)	dBA	V (m ³ /h)	1 000 mm			dBA	V (m ³ /h)	1 400 mm			dBA	V (m ³ /h)	1 800 mm			dBA	V (m ³ /h)	2 200 mm		
					t _i °C					t _i °C					t _i °C					t _i °C		
					15	20	22			15	20	22			15	20	22			15	20	22
90/70 °C	60	22	140	1 830	1 676	1 615	23	210	2 746	2 514	2 422	23	280	3 606	3 302	3 182	23	350	4 577	4 191	4 038	
	80	29	190	2 023	1 852	1 784	30	285	3 034	2 778	2 677	30	380	3 985	3 649	3 516	30	470	5 057	4 631	4 461	
	100	37	235	2 188	2 004	1 930	39	350	3 282	3 006	2 896	39	480	4 311	3 948	3 803	39	590	5 471	5 010	4 826	
75/65 °C	60	22	140	1 523	1 372	1 311	23	210	2 285	2 058	1 967	23	280	3 001	2 702	2 584	23	350	3 809	3 430	3 279	
	80	29	190	1 683	1 516	1 449	30	285	2 525	2 274	2 174	30	380	3 316	2 986	2 855	30	470	4 208	3 790	3 623	
	100	35	235	1 821	1 640	1 568	39	350	2 731	2 460	2 352	39	480	3 587	3 230	3 088	39	590	4 553	4 100	3 920	
70/55 °C	60	22	140	1 221	1 073	1 014	23	210	1 832	1 610	1 521	23	280	2 407	2 114	1 998	23	350	3 054	2 683	2 536	
	80	29	190	1 350	1 186	1 121	30	285	2 025	1 779	1 681	30	380	2 659	2 336	2 208	30	470	3 375	2 965	2 802	
	100	35	235	1 460	1 283	1 212	39	350	2 190	1 924	1 819	39	480	2 877	2 527	2 389	39	590	3 651	3 207	3 031	
55/45 °C	60	22	140	926	782	725	23	210	1 390	1 173	1 087	23	280	1 825	1 541	1 428	23	350	2 317	1 955	1 812	
	80	29	190	1 024	864	801	30	285	1 536	1 296	1 201	30	380	2 017	1 702	1 578	30	470	2 560	2 160	2 003	
	100	35	235	1 107	935	866	39	350	1 661	1 402	1 300	39	480	2 182	1 842	1 707	39	590	2 769	2 337	2 167	

*) The convectors are not considered for operation at current speed 0 (low power output)

Cooling	t _w (t ₁ /t ₂)	speed (%)	dBA	V (m ³ /h)	1 000 mm			dBA	V (m ³ /h)	1 400 mm			dBA	V (m ³ /h)	1 800 mm			dBA	V (m ³ /h)	2 200 mm		
					t _i °C					t _i °C					t _i °C					t _i °C		
					24	26	30			24	26	30			24	26	30			24	26	30
6/12 °C	60	22	140	188	217	270	23	210	377	434	539	23	280	565	652	809	23	350	753	869	1 078	
	80	29	190	219	253	313	30	285	438	505	627	30	380	657	758	940	30	470	876	1 010	1 253	
	100	37	235	269	309	383	39	350	538	618	767	39	480	807	927	1 150	39	590	1 076	1 237	1 533	
8/14 °C	60	22	140	154	177	224	23	210	308	355	449	23	280	462	532	673	23	350	616	710	898	
	80	29	190	179	206	261	30	285	358	413	522	30	380	537	619	783	30	470	716	825	1 044	
	100	37	235	222	256	345	39	350	445	513	690	39	480	667	769	1 035	39	590	889	1 025	1 380	
14/18 °C	60	22	140	84	107	154	23	210	167	214	308	23	280	251	321	462	23	350	335	428	616	
	80	29	190	97	125	179	30	285	194	249	358	30	380	292	374	537	30	470	389	498	716	
	100	37	235	121	154	222	39	350	241	309	445	39	480	362	463	667	39	590	482	618	889	

Order example (CODE)

F L T 2 1 - 1 2 1 8 0 - N R 1 2 1

Specifications: FLT21 convector, H=125 mm, W=320 mm, L= 1800 mm
Al nature frame, Al natur linear grill, separately attached regulator
SLAVE A (does not fit into the convector)

For detailed description HOW TO MAKE AN ORDER please see page 31.

Delivered on special order:

- basic regulator SLAVE A
- flexible hose
- controlling regulator MASTER
- Z-SL 001 a 002

CAUTION

- the regulators ordered are shipped separately, they cannot be installed inside the convector body box
- the positioning of convector in the floor and technical advice (page 26)
- hydraulics and technical calculations (page 24, 25)