

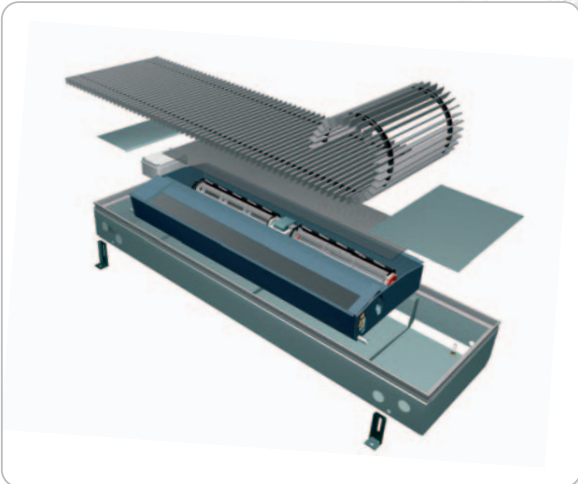


CONVECTOR WITH TANGENTIAL FANS

OPLFLEX FLC

APPLICATION

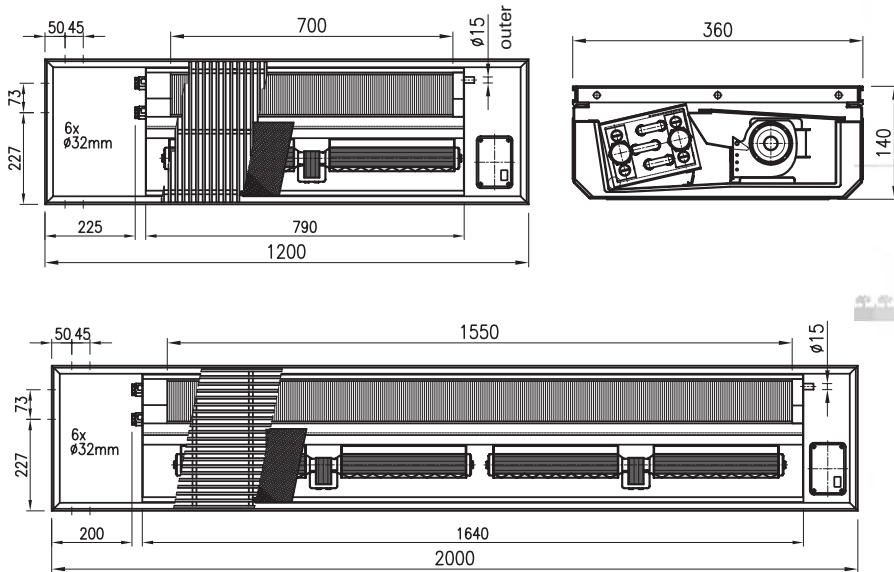
Strong convector for both heating and cooling of interior spaces with reduced noise level. A fin exchanger in four tube version for double-circuit systems can be used. Low noise level. For dry conditions.



DIMENSIONS AND SECTIONS

CONVECTOR	width (mm)	length (mm)
height (mm)	360	
	FLC L0-14	1 200 and 2 000

FLC L0-14



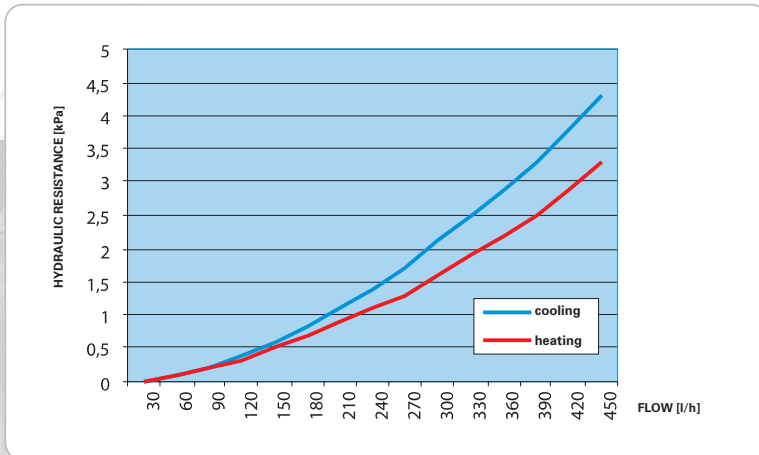
OPERATING CONDITIONS

- 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 %

FLC



Exchanger hydraulic resistance / medium flow Conversion graph



TECHNICAL INFORMATION

Convactor contains:

- convector cabinet made of 17 240 stainless steel of 1 mm gauge
- internal unit from 17 240 stainless steel of 1 mm gauge with a filter
- upper frame from satin anodized aluminium
- walkway grill according to customer's specifications (page 30)
- two- four tubular fin exchanger with a ventilation valve
- tangential fan
- cover plate for water and el. cabling connection
- regulation screwing and ball cock
- installation angle bars and aligner screws
- installation instructions
- electric connection diagram
- installation chipboard sheet
- double shipping container

DETAILED OUTPUT TABLES

Heating	t _w (t1/t2)	speed (%)	dBA	V (m ³ /h)	1 200 mm				dBA	V (m ³ /h)	2 000 mm			
					t _i °C						t _i °C			
					15	18	20	22			15	18	20	22
90/70 °C	60	24	140	2 193	2 071	1 994	1 916	25	280	4 502	4 252	4 093	3 933	
	80	29	190	2 844	2 686	2 584	2 484	30	380	5 838	5 514	5 305	5 099	
	100	38	235	3 383	3 196	3 077	2 956	39	470	6 945	6 561	6 316	6 068	
75/65 °C	60	24	140	1 857	1 740	1 663	1 590	25	280	3 812	3 572	3 414	3 264	
	80	29	190	2 408	2 257	2 156	2 061	30	380	4 943	4 633	4 426	4 231	
	100	38	235	2 866	2 686	2 565	2 453	39	470	5 883	5 514	5 266	5 036	
70/55 °C	60	24	140	1 579	1 463	1 390	1 312	25	280	3 242	3 004	2 854	2 694	
	80	29	190	2 049	1 898	1 803	1 702	30	380	4 206	3 896	3 701	3 494	
	100	38	235	2 438	2 258	2 146	2 026	39	470	5 005	4 635	4 405	4 159	
55/45 °C	60	24	140	1 157	1 045	971	899	25	280	2 375	2 145	1 994	1 846	
	80	29	190	1 501	1 355	1 260	1 166	30	380	3 081	2 782	2 587	2 394	
	100	38	235	1 786	1 613	1 501	1 387	39	470	3 666	3 311	3 081	2 848	
50/40 °C	60	24	140	977	865	792	723	25	280	2 006	1 776	1 626	1 485	
	80	29	190	1 267	1 121	1 027	939	30	380	2 601	2 302	2 109	1 928	
	100	38	235	1 507	1 335	1 222	1 118	39	470	3 094	2 741	2 509	2 295	

Cooling	t _w (t1/t2)	speed (%)	dBA	V (m ³ /h)	1 200 mm				dBA	V (m ³ /h)	2 000 mm			
					t _i °C						t _i °C			
					24	26	28	30			15	18	20	22
6/12 °C	60	24	140	442	600	782	969	25	280	908	1 232	1 606	1 990	
	80	29	190	574	779	1 014	1 257	30	380	1 179	1 599	2 082	2 581	
	100	38	235	684	927	1 208	1 497	39	470	1 404	1 903	2 480	3 073	
8/14 °C	60	24	140	374	442	615	807	25	280	768	908	1 263	1 657	
	80	29	190	484	574	798	1 046	30	380	994	1 179	1 638	2 148	
	100	38	235	577	684	950	1 246	39	470	1 185	1 404	1 950	2 558	
10/15 °C	60	24	140	339	403	531	723	25	280	696	828	1 090	1 485	
	80	29	190	439	523	689	938	30	380	902	1 074	1 415	1 926	
	100	38	235	524	623	820	1 117	39	470	1 076	1 279	1 684	2 293	
12/16 °C	60	24	140	300	363	428	634	25	280	616	746	879	1 302	
	80	29	190	389	472	554	823	30	380	799	969	1 138	1 690	
	100	38	235	463	562	661	980	39	470	951	1 154	1 357	2 012	
16/18 °C	60	24	140	216	285	349	413	25	280	444	585	717	848	
	80	29	190	280	369	453	535	30	380	575	758	930	1 099	
	100	38	235	334	440	539	638	39	470	686	904	1 107	1 310	



Delivered on special order:

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

CAUTION

- the positioning of convactor in the floor (page 26) and technical advice (page 24)
- hydraulics and technical calculations (page 24, 25)

Order example (CODE)

F L C L 0 - 1 4 2 0 0 - N R 3 2 1

Specification: FLC convactor, H=140 mm, W=360 mm, L=2000 mm, black frame, black linear grill, SLAVE A regulation installed

Detailed description HOW TO MAKE AN ORDER - page 31.