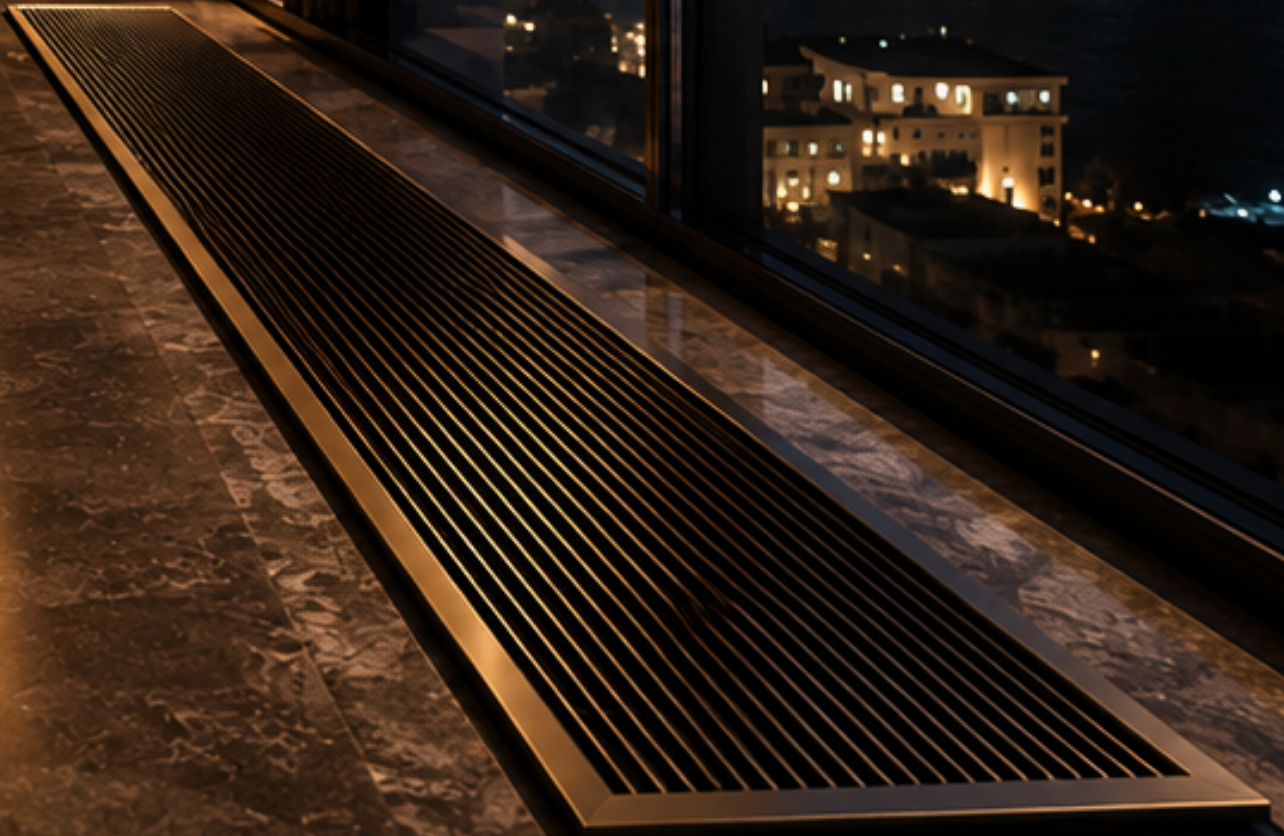


ventsan

HEATING, COOLING & AIR DISTRIBUTION SYSTEMS

FLOOR CONVECTORS

2026



WWW.VENTSAN.COM.TR

ENGINEERED IN ISTANBUL · CONCEALED TRENCH HEATING

INTRODUCTION

Where glass meets warmth.

"A classic radiator rarely speaks the language of modern architecture.

The floor convector does — quietly, and entirely out of sight."

Floor-to-ceiling glazing has become a defining signature of contemporary architecture. Yet the very transparency that makes these façades so compelling also demands a more considered approach to heating and cooling — one that a wall-mounted radiator can rarely provide.

Recessed flush into the floor along the glass line, the Ventsan floor convector unites design and function. It disappears into the architecture, leaving the sightline uninterrupted while doing the quiet work of climate control beneath.

Positioned along glazing and curtain walls, it narrows the temperature gradient between interior and exterior, raising overall energy efficiency and forming a gentle curtain of warm air that rises to meet the cold surface of the glass.

The result is a room free of condensation, free of draughts, and free of visual clutter — heated evenly, comfortably, and invisibly. Purpose-built for showrooms, winter gardens, hotels, and residences where the architecture itself is not to be interrupted.



ANATOMY

Five components, one uninterrupted line.



I. Aluminium Top Grille

Machined from high-strength, anodised aluminium. Its slender profile lets air pass unimpeded while presenting a refined surface that reads as a continuation of the floor itself.

II. Glass / Cover Panel

An optional protective top panel that optimises heat transfer and airflow direction. Lifts away cleanly for maintenance and cleaning, with no tools required.

III. High-Efficiency Heat Exchanger

Copper piping with aluminium fins. A low water volume allows the unit to respond quickly, delivering maximum thermal transfer from a compact footprint.

IV. Galvanised Steel Enclosure

Corrosion-resistant, coated galvanised steel forms a rigid body built for decades of quiet, unattended service beneath the floor.

V. Fan Air Channel

An internal duct that draws air evenly and directionally across the heat exchanger, producing a balanced, homogeneous heat distribution across the full length of the unit.



WHERE THEY BELONG

A primary or secondary heating system, built for glass.

As a secondary system, the floorconvector works alongside radiators, underfloor heating, or an air-handling unit. It is most at home in showrooms, winter gardens, indoor pools, fitness spaces, business centres, and residences — anywhere a curtain-wall façade meets a demand for comfort.



LOBBY INSTALLATION — NATURAL STONE, FULL-LENGTH TRENCH

Space-Saving & Discreet

Recessed into the floor rather than mounted on the wall, it occupies no living space and leaves wide glazing free for an uninterrupted view.

Rapid Response

A low water volume means the system reacts quickly, bringing a space to its target temperature in noticeably less time.

Condensation Control

Especially valuable in winter gardens and pool halls, effectively preventing misting and condensation on glazed surfaces.

A Curtain of Warmth

Positioned directly in front of glass, it blocks incoming cold air and forms a comfortable thermal curtain along the façade.

Near-Silent Operation

Natural-convection models run entirely without sound; fan-assisted models deliver maximum output at a minimal noise level.

Decorative Grille Options

Available in a range of colours and materials — aluminium, timber, or stainless steel — for a seamless match to any floor.

APPLICATIONS

04

Corner & curved installations.



CORNER CONVECTOR APPLICATION

Corner Convector

A 90° corner section joins two runs without a visible seam, following L-shaped architectural lines to deliver uninterrupted heating and full aesthetic continuity around the turn.

High-efficiency battery construction

Maximum heat-transfer surface delivers strong performance even at low water temperatures.



CURVED CONVECTOR APPLICATION

Curved Convector

Purpose-built for circular architectural forms and curved glass façades, the curved run brings the same performance and finish to a fluid, dynamic floor plan.

Built to last

Corrosion-resistant materials throughout, for a long service life and minimal maintenance.

CRAFTSMANSHIP

Core components.

Ventsan manufactures high-efficiency floorconvector equipment for the demands of modern architecture — fully compatible with heating, cooling, and ventilation systems, bringing together aesthetics, durability, and performance.



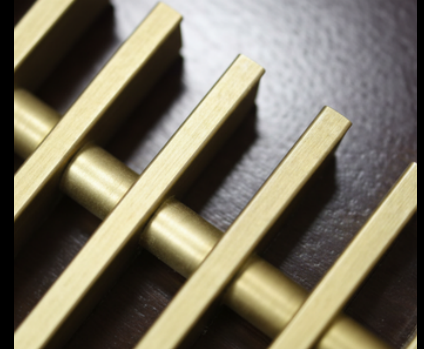
ENCLOSURE

Manufactured from Etial-60-grade aluminium profile for high corrosion resistance, finished as standard in matte black anodising. Also available in galvanised or stainless steel.



LEVELLING SCREW

Every enclosure includes levelling screws set at regular intervals and at each corner, adjusted with a hex key to bring the unit precisely to finished-floor level.



LINEAR GRILLE

High-strength aluminium profile to Etial-60 standard, finished as standard in natural aluminium anodising. Available painted to any RAL code or in alternative anodised tones.

Frame Sections

All convectors accept two frame profiles — narrow or wide — either matched to the grille finish or contrasted for effect. The 18 mm wide frame gives a clean edge over an imperfect floor substrate.



Narrow — 5mm



Wide — 18mm

FINISHES

Grille materials & colour.



BEECH · PEAR · CHERRY · MAHOGANY
WENGE · CHERRY · WALNUT · OAK
WALNUT · ROSEWOOD · DARK OAK · AMERICAN WALNUT

Timber Linear Grille — 12 Tones

For a warmer character and closer integration with the surrounding architecture, a timber grille may be specified in any of twelve standard tones — hand-finished, lacquered, or left natural.

Stainless Steel Linear Grille

For bespoke applications, a range of stainless profiles is available — a durable alternative suited to high-traffic commercial environments.

Standard Aluminium

Natural anodised aluminium as standard; paintable to any RAL code, or finished in an alternative anodised tone on request.

THE HEART OF THE SYSTEM

Fan & heat exchanger.



Tangential Fan — Cross-Flow Motor

Forced-convection units use exceptionally quiet tangential (cross-flow) fans. Rotor length is matched to enclosure width; longer units use a dual (L+R) blower pair for balanced air distribution along their full length. Standard 24V DC, two-speed; a 230V AC, three-speed motor is available as an option.



Convector Battery — Heat Exchanger

Both forced- and natural-convection units use a high-efficiency copper-pipe, aluminium-finned battery. A low water volume brings the system up to temperature quickly, while the extended fin surface maximises heat transfer per metre run.

Tangential Fan — Reference Line-up

SAMPLE SPECIFICATION, SUPPLIED & ASSEMBLED TO ORDER

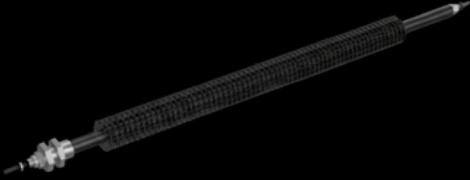
PART NO.	MODEL / DESCRIPTION	CONFIGURATION	SUPPLY	ROTOR LENGTH
VT-TF-300-AC	Ventsan TF-300 — 3-Speed AC Motor	Single motor (L)	230V AC	300 mm
VT-TF-300-AC2	Ventsan TF-300 — 3-Speed Dual AC Motor	Dual motor (L+R)	230V AC	300 mm
VT-TF-306-DC	Ventsan TF-306 — 24V DC Motor	Single motor (L)	24V DC	306 mm

L — single motor, one end · L+R — dual motor, both ends, for balanced airflow on longer enclosures. Exact fan selection is matched to enclosure length at order stage.

SPECIAL HEAT SOURCES

Alternative batteries.

For industrial applications and bespoke projects, alternative heat-source options are available in place of the standard hydronic battery.



Electric Resistance Heaters

Where heating is generated electrically, spiral-coil resistance elements are used to maximise efficiency within the enclosure footprint.



Steel-Pipe Spiral Coils

Depending on the application, finned spiral steel-pipe coils may be specified — a highly efficient option for industrial installations.

Capacity and dimensional specifications for special-battery configurations are determined on a per-project basis. Please contact our technical team to discuss requirements.

PERFORMANCE DATA

Natural convection — fanless.

SV-25 / SV-26 / SV-27 SERIES
ROOM TEMPERATURE 20°C · HEATING CAPACITY IN WATTS

70 MM ENCLOSURE DEPTH

CASING MM	COIL MM	90 / 70°C			80 / 60°C			70 / 55°C			55 / 45°C			50 / 40°C		
		SV-25	SV-26	SV-27	SV-25	SV-26	SV-27	SV-25	SV-26	SV-27	SV-25	SV-26	SV-27	SV-25	SV-26	SV-27
950	650	133	218	289	104	168	220	84	134	172	52	81	101	41	62	75
1550	1250	259	423	563	205	329	429	166	262	337	105	161	199	83	125	150
2150	1850	386	630	837	306	490	638	248	390	501	158	241	297	123	188	225
2750	2450	513	835	1110	407	650	847	330	519	665	211	320	396	168	248	302
3350	3050	639	1040	1384	507	810	1057	412	648	830	263	400	495	208	310	378
3950	3650	767	1247	1657	607	970	1265	494	776	995	316	482	593	250	370	450
4550	4250	893	1454	1931	708	1131	1475	576	905	1160	369	560	694	292	435	525
4850	4550	956	1582	2068	759	1216	1579	617	969	1242	395	600	741	315	465	565

110 MM ENCLOSURE DEPTH

CASING MM	COIL MM	90 / 70°C			80 / 60°C			70 / 55°C			55 / 45°C			50 / 40°C		
		SV-25	SV-26	SV-27	SV-25	SV-26	SV-27	SV-25	SV-26	SV-27	SV-25	SV-26	SV-27	SV-25	SV-26	SV-27
950	650	170	272	364	130	212	280	105	170	218	68	102	130	52	84	94
1550	1250	326	530	706	254	412	540	208	328	420	132	202	252	102	156	190
2150	1850	482	790	1046	382	614	800	310	488	626	198	302	372	154	234	284
2750	2450	642	1046	1390	510	814	1060	410	650	832	262	402	500	208	312	378
3350	3050	800	1302	1732	634	1016	1324	512	810	1040	328	502	620	260	388	474
3950	3650	960	1560	2072	758	1216	1582	614	970	1246	394	602	742	314	468	568
4550	4250	1108	1820	2414	886	1416	1842	720	1132	1452	460	702	868	366	544	652
4850	4550	1200	1950	2586	950	1516	1972	770	1212	1558	494	752	930	396	584	710

Casing / Coil lengths in mm. Intermediate sizes available — full 14-step tables provided on request. Values shown are representative rows from the complete selection table.



PERFORMANCE DATA

Forced convection — fan-assisted.

SV-25 / SV-26 / SV-27 SERIES · 70 MM ENCLOSURE
ROOM TEMPERATURE 20°C · FAN SPEED 30 / 50 / 100% · HEATING CAPACITY IN WATTS

SUPPLY 90 / 70°C

CASING MM	COIL MM	SVF-25.180.70			SVF-25.245.70			SVF-26.345.70		
		30%	50%	100%	30%	50%	100%	30%	50%	100%
950	650	510	680	1045	525	700	1080	620	825	1235
1550	1250	985	1315	2020	1015	1355	2080	1197	1597	2380
2150	1850	1460	1952	2992	1505	2010	3071	1775	2365	3525
2750	2450	1938	2585	3965	1994	2662	4084	2350	3135	4672
3350	3050	2412	3320	4940	2485	3315	5090	2925	3905	5820
3950	3650	2801	3851	5910	2975	3970	6085	3502	4675	6962
4550	4250	3365	4488	6886	3465	4622	7090	4082	5445	8110
4850	4550	3604	4805	7370	3703	4950	7590	4368	5830	8680

SUPPLY 70 / 55°C

CASING MM	COIL MM	SVF-25.180.70			SVF-25.245.70			SVF-26.345.70		
		30%	50%	100%	30%	50%	100%	30%	50%	100%
950	650	352	471	728	365	492	760	430	576	860
1550	1250	682	912	1408	712	951	1468	830	576	1655
2150	1850	1015	1355	2082	1061	1415	2172	1233	576	2455
2750	2450	1346	1800	2765	1409	1875	2883	1634	576	3254
3350	3050	1675	2242	3441	1758	2340	3590	2036	576	4052
3950	3650	2012	2685	4122	2100	2800	4300	2440	576	4793
4550	4250	2342	3125	4800	2441	3262	5007	2843	576	5651
4850	4550	2510	3347	5135	2620	3493	6346	3040	576	6050

Fan-assisted units also available for 80/60°C and 55/45°C supply — full tables provided on request. Values shown are representative rows from the complete selection table.

PERFORMANCE DATA

Forced convection — fan-assisted.

SV-25 / SV-26 / SV-27 SERIES · 110 MM ENCLOSURE
ROOM TEMPERATURE 20°C · FAN SPEED 0 / 700 / 1400 RPM · HEATING CAPACITY IN WATTS

SUPPLY 90 / 70°C

CASING MM	COIL MM	SVF-25			SVF-26			SVF-27		
		0	700	1400	0	700	1400	0	700	1400
950	650	220	723	1112	345	945	1410	450	1220	1770
1550	1250	430	1397	2145	668	1820	2715	865	2360	3410
2150	1850	640	2070	3180	991	2700	4025	1280	3495	5050
2750	2450	844	2744	4212	1315	3580	5332	1700	4630	6685
3350	3050	1055	3418	5245	1640	4456	6635	2120	5765	8325
3950	3650	1265	4092	6280	1962	5345	7945	2540	6900	9965
4550	4250	1475	4765	7312	2288	6210	9252	2955	8035	11610
4850	4550	1580	5100	7830	2450	6650	9900	3165	8600	12424

SUPPLY 70 / 55°C

CASING MM	COIL MM	SVF-25			SVF-26			SVF-27		
		0	700	1400	0	700	1400	0	700	1400
950	650	110	500	770	180	650	960	230	825	1200
1550	1250	220	970	1486	342	1250	1860	450	1590	2310
2150	1850	326	1436	2200	514	1850	2750	670	2360	3412
2750	2450	436	1900	2916	680	2450	3650	890	3130	4520
3350	3050	546	2370	3636	850	3050	4540	1110	3896	5630
3950	3650	650	2836	4350	1020	3650	4440	1326	4662	6740
4550	4250	760	3300	5070	1190	3250	6330	1542	5430	7850
4850	4550	816	3536	5426	1270	4550	6760	1650	5810	8410

Fan-assisted units also available for 80/60°C and 55/45°C supply — full tables provided on request. Values shown are representative rows from the complete selection table.

FLOOR CONVECTORS · COLLECTION 2026

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Heating, reimagined as architecture.

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