

VENTO, the ultra-low temperature radiator

Very economical, very comfortable





COMPACT
VENTO
PLANAR
VENTO

CHOOSE SUSTAINABILITY

HEATING AT ULTRA LOW TEMPERATURE

HIGHLY EFFICIENT

Sustainable energy consumption is a non-negotiable. As standards become ever stricter, more and more fossil fuel heating systems are being switched off for good. By 2050 every new home in the EU must be carbon neutral.

We all have to reduce energy consumption in our homes. We can achieve that with good insulation and heating at low temperatures, be that with a **traditional central heating system** or a **renewable energy** solution like a heat pump.

To heat your home efficiently and achieve a comfortable temperature you need **the right heat emitters**. The **VENTO low-temperature radiator** is specially designed to be highly efficient even at ultra-low water temperatures, for renovation and newbuild.

And you can still install VENTO radiators even if you're not quite ready to invest in a heat pump yet. The key to **optimal energy-efficient home heating** that's fit for the future. Not forgetting their timeless look. VENTO is the sustainable choice in every regard.

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STELRAD, BLAZING A TRAIL IN LOW-TEMPERATURE RADIATORS

Stelrad is one of Europe's leading radiator brands, a trailblazer in the development of low-temperature radiators. And we always guarantee the highest quality, ensuring you benefit from the optimal home heating solution at the lowest possible cost. Whether yours is a compact terraced house in town or a spacious detached residence in the countryside: every home deserves that enduring Stelrad quality.

COMPACT VENTO • PLANAR VENTO

THRIFTY WITH ENERGY, UTTERLY COMFORTABLE

A VENTO low-temperature radiator heats your home at the lower water temperatures, saving money without compromising on comfort.

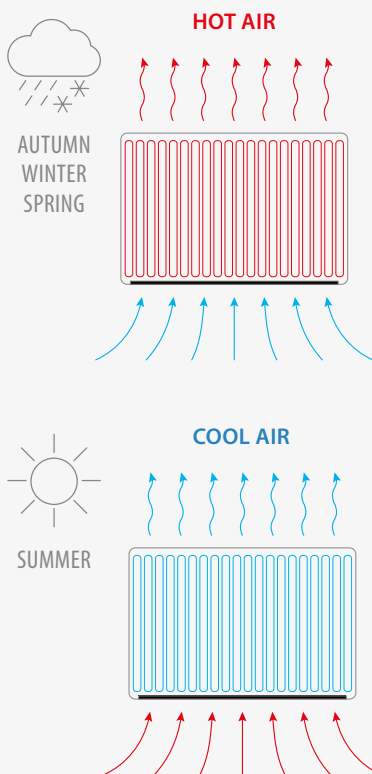
ENERGY EFFICIENT

Heat sources like heat pumps are more efficient when running on a low temperature supply, even as low as 35°C. The temperature of a modern heating system will be between 35°C and 60°C, which is precisely VENTO's optimal temperature range. Traditional central heating systems on the other hand run on water heated to 80°C. **Lowering the temperature** reduces your energy bill and your carbon emissions. And you help achieve the EU's goal of carbon neutrality by 2050.



WHISPER IT: JUST PERFECT

The modulation system ensures you achieve your **optimal temperature** without needing a lot of technical knowledge. And you won't be disturbed by the ventilators that generate **additional convection heat**. While other classic systems usually have three settings, the VENTO convection technology has a modulating thermostat to ensure it reaches your desired temperature **quickly and noiselessly**. The VENTO only works at full tilt when the temperature in your home has fallen to a low level. In that case the sound pressure at 1 meter of a model measuring 600mm by 1000mm is just 32dB(A), the level of a whisper.



Compact VENTO



Did you know...

A low-temperature heating system can reduce your energy consumption by up to **20 per cent**? That will be immediately reflected in your bill without compromising on room temperature and speed of heating.

But that's not all, because when you use it with a heat pump set at no lower than 17°C you can also use a VENTO radiator to **slightly cool** your home. Homes are increasingly being well insulated, which increases the risk of overheating in the summer. The cooling kicks in automatically, generating a pleasant breeze.

“ITS SMOOTH FLAT
FRONT MAKES
THE PLANAR VENTO
MINIMALISTIC,
SMART AND
DECORATIVE
ALL IN ONE.”



COMPACT VENTO • PLANAR VENTO

THIS RADIATOR MAKES YOUR LIFE EASIER

VENTO and innovative heating technology go hand in hand. The radiators are easy to install and easy to use.

SMART AND USER-FRIENDLY

The fully automatic VENTO radiators **work like any other radiator**. There are no confusing operating panels or bewildering buttons. The temperature is regulated in the same way as in regular radiators, with a thermostatic valve with or without a room thermostat.



Did you know...

Blend in or stand out? VENTO radiators come in various colours to suit every wish. Stelrad has a whole gamut of carefully selected natural, bathroom, metallic and RAL colours to choose from. What's your style?

EASY TO INSTALL

Gas condensation boiler, fuel oil boiler or (hybrid) heating pump. VENTO radiators can be **easily connected to any heating** source. A hybrid heating pump is clearly the best option. VENTO radiators are installed in the same way as traditional radiators. All you need is a free socket.

COMPACT VENTO • PLANAR VENTO

LOOKS GOOD IN EVERY HOME

The VENTO range comprises two stylish panel radiator series that look perfect in any renovated or newbuild home: Compact VENTO and Planar VENTO.

STYLISH HEATING

Everything is built into VENTO radiators, so they retain that classic radiator form. They are two versions: the Compact VENTO with four connections and a ridged front panel, and the Planar VENTO with six connections and a flat front panel. The Planar VENTO is more minimalistic, smart and decorative. Both are **type-22 radiators**, available in **9 different widths** (500mm-2000mm) and **three different heights** (400, 600 and 900mm). You choose.

Planar VENTO

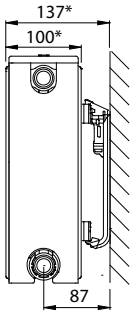


NEWBUILD AND RENOVATION

VENTO radiators can be combined with all types of heat sources, which makes them suitable for newbuild or renovations. They are specially designed to connect to existing pipework. The Compact has four connections on the side. The Planar also has two lateral connections at the bottom. This makes this luxury radiator very suitable for renovations.

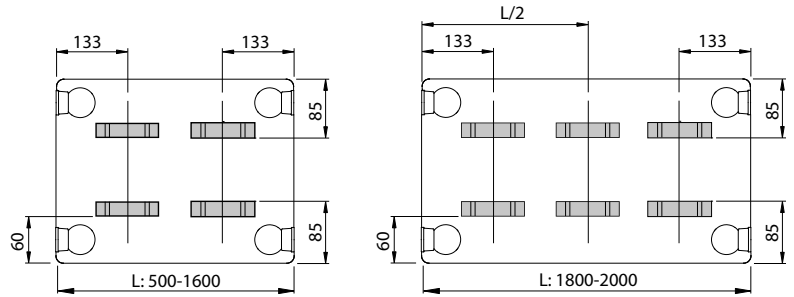
TECHNICAL INFORMATION

WALL MOUNTING

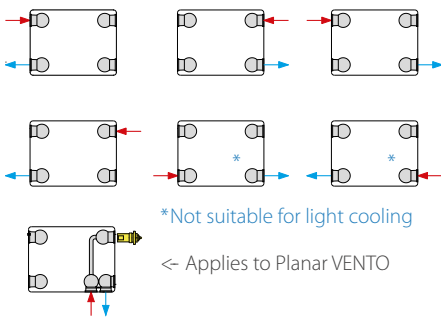


* + 2 mm for Planar VENTO

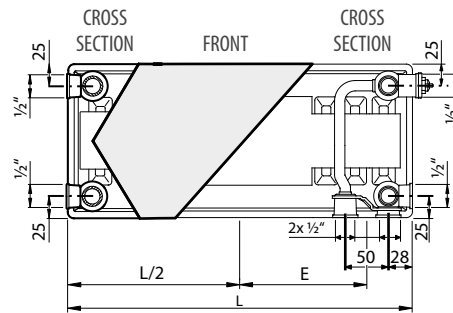
LUG POSITION



CONNECTION OPTIONS

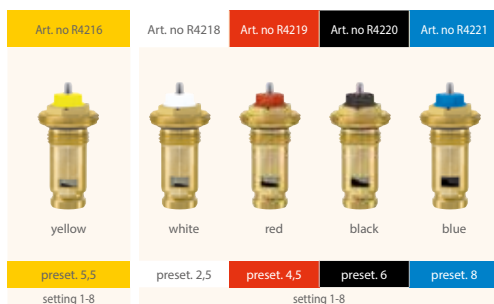
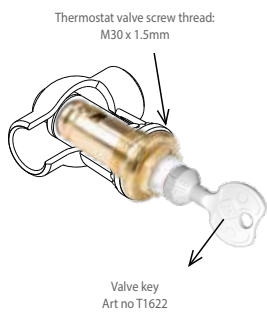


PLANAR VENTO CONNECTION SIZES



L (mm)	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000
E (mm)	197	247	297	347	397	447	497	547	647	747	847	947

VALVE



SOUND PRESSURE

The VENTO radiator is modulated. This minimises the amount of noise generated, making it virtually silent. The VENTO only works at full tilt when the temperature in your home has fallen to a low level. In that case the sound pressure at 1 meter of a model measuring 600mm by 1000mm is just 32dB(A), the level of a whisper.

How loud is a given decibel level?		
dB(A)	Perception	Examples
10	Virtually inaudible	Breathing, falling leaf
20	Just audible	Radio studio, rustling leaves
30	Very quiet	Library (30-40), whispers
40	Quiet	Living room, quiet classroom, gentle hubbub, fridge
50	Moderate	Airconditioning, normal conversation, dishwasher

TECHNICAL INFORMATION

COMPACT VENTO

Heat emissions (watts)							
Length (mm)	Height (mm)	400		600		900	
	Ventilator speed	Stand-by	Dyn. max	Stand-by	Dyn. max	Stand-by	Dyn. max
	n exponent	1,3273	1,2046	1,3494	1,2359	1,3915	1,2705
500	55/45/20°C	278	416	377	530	514	697
	45/35/20°C	162	256	218	321	292	416
	35/30/20°C	87	145	116	180	152	229
600	55/45/20°C	334	500	453	636	616	836
	45/35/20°C	195	307	262	385	351	499
	35/30/20°C	104	174	139	215	182	275
700	55/45/20°C	389	583	528	742	719	975
	45/35/20°C	227	358	306	449	409	583
	35/30/20°C	122	203	162	251	213	321
800	55/45/20°C	445	666	604	848	822	1115
	45/35/20°C	260	409	349	514	467	666
	35/30/20°C	139	232	185	287	243	366
900	55/45/20°C	501	750	679	954	924	1254
	45/35/20°C	292	460	393	578	526	749
	35/30/20°C	157	261	208	323	273	412
1000	55/45/20°C	556	833	755	1060	1027	1393
	45/35/20°C	325	511	437	642	584	832
	35/30/20°C	174	290	232	359	304	458
1100	55/45/20°C	612	916	830	1165	1130	1532
	45/35/20°C	357	562	480	706	643	916
	35/30/20°C	191	319	255	395	334	504
1200	55/45/20°C	668	999	906	1271	1233	1672
	45/35/20°C	390	613	524	770	701	999
	35/30/20°C	209	348	278	431	365	550
1400	55/45/20°C	779	1166	1057	1483	1438	1950
	45/35/20°C	455	715	611	899	818	1165
	35/30/20°C	244	406	324	503	425	641
1600	55/45/20°C	890	1333	1208	1695	1644	2229
	45/35/20°C	520	818	699	1027	935	1332
	35/30/20°C	278	464	371	575	486	733
1800	55/45/20°C	1001	1499	1359	1907	-	-
	45/35/20°C	585	920	786	1155	-	-
	35/30/20°C	313	522	417	646	-	-
2000	55/45/20°C	1113	1666	1510	2119	-	-
	45/35/20°C	650	1022	874	1284	-	-
	35/30/20°C	348	580	463	718	-	-

Emissions in watts (EN16430)

Cooling emissions (watts)							
Length (mm)	Height (mm)	400		600		900	
	Ventilator speed	Stand-by	Dyn. max	Stand-by	Dyn. max	Stand-by	Dyn. max
	n exponent	1,305	0,8937	1,3055	0,9204	1,2942	0,82
500	17/19/28°C	59	92	81	109	113	128
600	17/19/28°C	70	110	97	130	136	153
700	17/19/28°C	82	129	113	152	158	179
800	17/19/28°C	94	147	130	174	181	204
900	17/19/28°C	105	166	146	195	203	230
1000	17/19/28°C	117	184	162	217	226	255
1100	17/19/28°C	129	202	178	239	249	281
1200	17/19/28°C	140	221	194	260	271	306
1400	17/19/28°C	164	258	227	304	316	357
1600	17/19/28°C	187	294	259	347	362	408
1800	17/19/28°C	211	331	292	391	-	-
2000	17/19/28°C	234	368	324	434	-	-

Weight (kg)			
Length (mm)	Height (mm)		
	400	600	900
500	11,1	15,1	23,4
600	13,3	18,1	28,1
700	15,5	21,1	32,8
800	17,7	24,1	37,5
900	19,9	27,1	42,2
1000	22,1	30,1	46,8
1100	24,4	33,2	51,5
1200	26,6	36,2	56,2
1400	31,0	42,2	65,6
1600	35,4	48,2	74,9
1800	39,8	54,2	-
2000	44,2	60,2	-

Maximal electric power		
Length (mm)	Ventilators (#)	P input (watts)
500	4	1,2
600	5	1,5
700	6	2
800	8	2,5
900	9	3
1000	9	3
1100	10	3,2
1200	11	3,5
1400	13	4,1
1600	15	5
1800	18	-
2000	21	-

TECHNICAL INFORMATION

PLANAR VENTO

Heat emissions (watts)							
Length (mm)	Height (mm)	400		600		900	
	Ventilator speed	Stand-by	Dyn. max	Stand-by	Dyn. max	Stand-by	Dyn. max
	n exponent	1,3148	1,1983	1,3387	1,2111	1,3400	1,2541
500	55/45/20°C	270	413	367	534	509	675
	45/35/20°C	158	254	213	327	296	406
	35/30/20°C	85	145	114	185	158	225
600	55/45/20°C	324	495	440	641	611	810
	45/35/20°C	190	305	256	392	355	487
	35/30/20°C	102	173	136	222	189	270
700	55/45/20°C	378	578	513	748	713	945
	45/35/20°C	222	355	298	458	414	568
	35/30/20°C	120	202	159	259	221	315
800	55/45/20°C	432	660	587	854	815	1080
	45/35/20°C	253	406	341	523	473	650
	35/30/20°C	137	231	182	296	252	360
900	55/45/20°C	486	743	660	961	917	1215
	45/35/20°C	285	457	384	588	533	731
	35/30/20°C	154	260	204	333	284	405
1000	55/45/20°C	540	825	733	1068	1019	1350
	45/35/20°C	317	508	426	654	592	812
	35/30/20°C	171	289	227	370	315	450
1100	55/45/20°C	594	908	807	1175	1121	1485
	45/35/20°C	349	558	469	719	651	893
	35/30/20°C	188	318	250	407	347	495
1200	55/45/20°C	648	990	880	1282	1223	1620
	45/35/20°C	380	609	511	784	710	974
	35/30/20°C	205	347	273	444	378	540
1400	55/45/20°C	756	1155	1027	1495	1426	1890
	45/35/20°C	444	711	597	915	828	1137
	35/30/20°C	239	405	318	518	441	630
1600	55/45/20°C	864	1320	1173	1709	1630	2160
	45/35/20°C	507	812	682	1046	947	1299
	35/30/20°C	273	462	363	592	504	721
1800	55/45/20°C	972	1485	1320	1923	-	-
	45/35/20°C	570	914	767	1177	-	-
	35/30/20°C	307	520	409	666	-	-
2000	55/45/20°C	1080	1650	1467	2136	-	-
	45/35/20°C	634	1015	852	1307	-	-
	35/30/20°C	342	578	454	740	-	-

Emissions in watts (EN16430)

Cooling emissions (watts)							
Length (mm)	Height (mm)	400		600		900	
	Ventilator speed	Stand-by	Dyn. max	Stand-by	Dyn. max	Stand-by	Dyn. max
	n exponent	1,2917	0,9211	1,3066	0,9528	1,3202	0,8715
500	17/19/28°C	57	95	79	113	107	122
600	17/19/28°C	68	113	94	135	128	146
700	17/19/28°C	80	132	110	158	149	170
800	17/19/28°C	91	151	126	180	170	194
900	17/19/28°C	103	170	141	203	192	219
1000	17/19/28°C	114	189	157	225	213	243
1100	17/19/28°C	125	208	173	248	234	267
1200	17/19/28°C	137	227	188	270	256	292
1400	17/19/28°C	160	265	220	315	298	340
1600	17/19/28°C	182	302	251	360	341	389
1800	17/19/28°C	205	340	283	405	-	-
2000	17/19/28°C	228	378	314	450	-	-

Weight (kg)			
Length (mm)	Height (mm)		
	400	600	900
500	12,4	17,9	26,8
600	14,9	21,5	32,2
700	17,3	25,0	37,6
800	19,8	28,6	42,9
900	22,3	32,2	48,3
1000	24,7	35,7	53,6
1100	27,2	39,3	59,0
1200	29,7	42,9	64,4
1400	34,6	50,0	75,1
1600	39,6	57,2	85,8
1800	44,5	64,3	-
2000	49,4	71,4	-

Maximal electric power		
Length (mm)	Ventilators (#)	P input (watts)
500	4	1,2
600	5	1,5
700	6	2
800	8	2,5
900	9	3
1000	9	3
1100	10	3,2
1200	11	3,5
1400	13	4,1
1600	15	5
1800	18	-
2000	21	-

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