



*Serie
Comfort*

A stylized graphic of the Italian flag, consisting of three horizontal stripes of green, white, and red, with a brushstroke-like texture.

T O W E L R A I L S
F A N C O I L U N I T S

C A T A L O G U E N ° 7

Cordivari company has a proven industrial tradition and is now one of the most important manufacturers in the heating and plumbing industry in Italy.

Founded in 1972 by Ercole Cordivari, the company is producing calorifiers & buffer tanks, solar thermal systems, compressed air receivers, design radiators, chimney pipes and food containers. Cordivari plants are situated on an area of 370.000 square meters and employs more than 600 employees.

Thanks to its development strategies, to new technologies and to the training of new human focused resources, Cordivari is equipped with modern structures and advanced production processes. All the products are designed and produced in Italy and the technological, ergonomic and ecological choices allow to work respecting the humans and its environment. UNI EN ISO 14001 environment managing systems and UNI EN ISO 9001 Quality system are perfectly integrated to grant and ensure company's main goals and values.

The highly qualified management, the constant research for innovative solutions and the extremely customer-oriented company policy, stands for the leading market position and the exclusive know-how in the field of integrated heating systems, that the Cordivari group has acquired. All this is the result of a continuous commitment to achieve Customer Satisfaction.

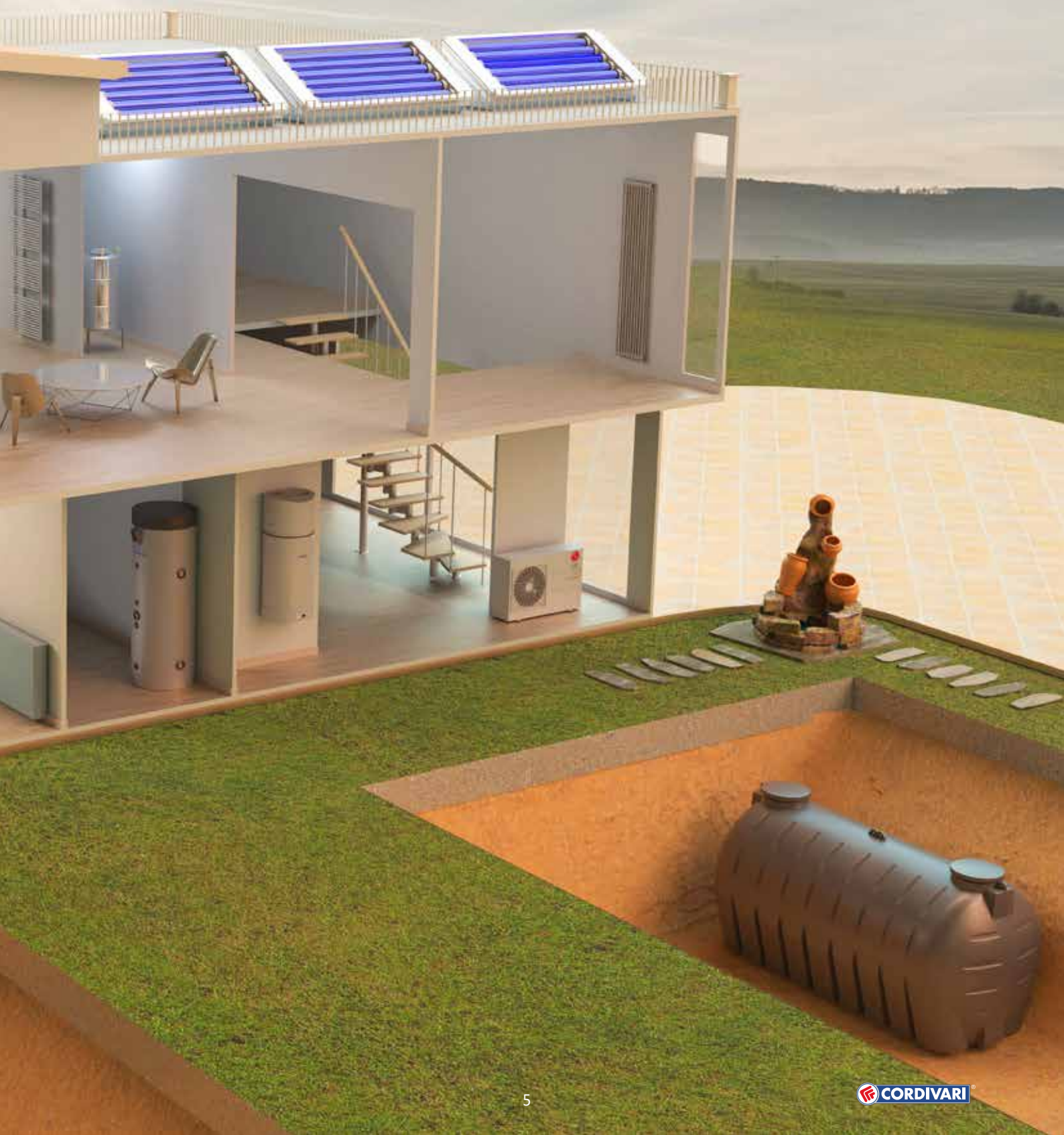


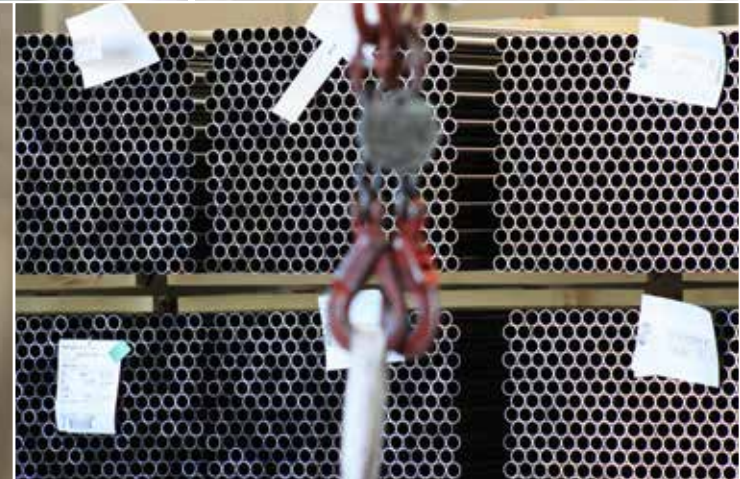
Cav. Ercole Cordivari



WELLNESS & SAVING

Solutions for your Home





Technologies for Wellness

Development, design and innovation studies are key points in Cordivari production process. Each proposed solution conveys technical reliability, design, ergonomics and ease use and installation. The continuous development of our product offer, wants to witness the company's attention to the market needs. Similarly, the research and development of new solutions follows the trends of an efficiency and energy savings oriented market.

The different phases of production are in perfect harmony with the best techniques for industrial automation, robotics and advanced craftsmanship. Every product undergoes several times during the production stages, a rigorous control, manual and visual.

Cordivari products meet the most important certifications, such as European standard EN 442-1-2-3, and have the CE label according to the law. Among the other certifications, we also got NF label and the fixing kit conformity certification according to VDI6036.

In Cordivari quality care and attention to the environment has always been home. In fact we were the first company of the heating sector to obtain the certification according to UNI EN ISO 9001 integrated with environmental management certification UNI EN ISO 14001. This production philosophy, which is now a way of life for us, means reduction of emissions and energy inefficiencies, waste reduction and recycling over 60% and allows us to operate in a sustainable and environmentally friendly way, using clean energy from renewable sources, using only eco-friendly materials from raw materials to packaging.

CERTIFICATIONS

Quality systems certified
UNI EN ISO 9001

Environment certification
UNI EN ISO 14001



PRODUCT CERTIFICATIONS



Italian Stainless Steel
Association.



93/68/CEE



HOT WATER HEATING RADIATORS,
CONVECTORS AND RADIANT MOUNTED
CEILING PANELS - NF 047



FIXING REGULATION FOR
RADIATORS



*Serie
Comfort*



Cordivari launches its Serie Comfort brochure.

This new line of radiators is not only a selection of products but it represents a distinct professional philosophy that finds inspiration from the needs of a constant and rapid developing market.

Our towel rails are designed, selected and addressed to the professionals engaged in the distribution of heating and plumbing products.

The very high quality of materials, innovative industrial processes and 100% Made in Italy production represent the technological heart of this offer, whereas service and flexibility constitute the careful soul of the distribution.

Values, experience and care are the trademarks of our company.

Therefore, the Cordivari Serie Comfort brochure doesn't mean only radiators. This new section addressed to the professionals of the HVAC distribution is synonym of highly specialized solutions, opportunities and advantages for our customers.

The Cordivari Serie Comfort ... improves your work!



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TOWEL RAILS



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm
- Horizontal heating elements in painted mild steel \varnothing 25 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010.

ACCESSORIES

For Accessories range see Accessories chapter



KRISTAL VALVES
WHITE COLOUR

For information about Kristal valves, see radiators and towel rails catalogue



KIT 2 HOOKS
WHITE COLOUR

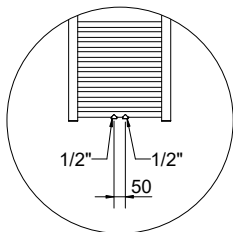
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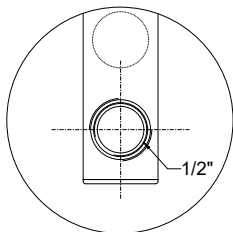
TOWEL BAR
WHITE COLOUR
Width= 370 mm

Art. nr. 5991990310170

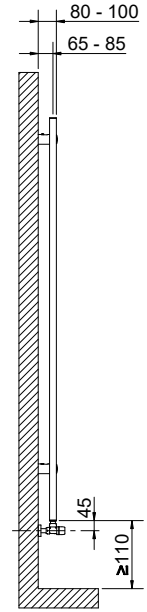
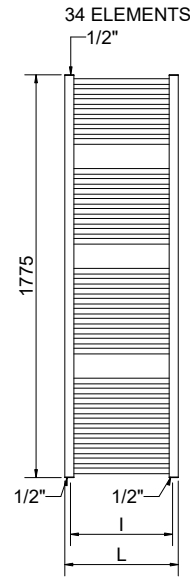
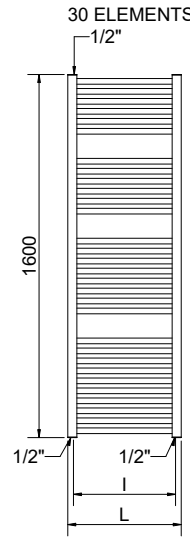
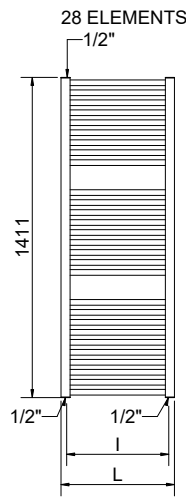
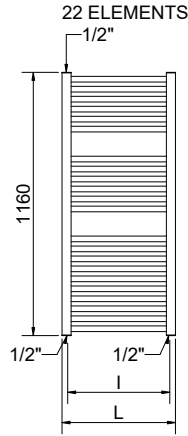
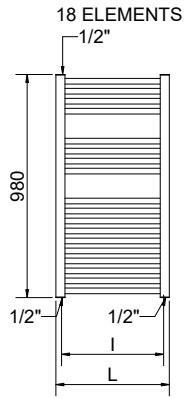
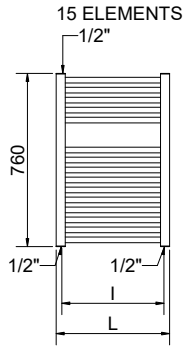
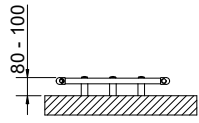
Applicable only for width \geq 450 mm



Detail of the 50 mm pipe centres version.



Detail of lateral connection



LISA® 25

Height [mm]	Width L [mm]	Pipe Centres l [mm]	STANDARD PIPE CENTRES	PIPE CENTRES 50 mm	LATERAL CONNECTION	Colour PURE WHITE R01-RAL 9010					Dual energy kit [Watt]	
			Art. nr.	Art. nr.	Art. nr.	Dry weight [Kg]	Surface [m²]	Water content [lt]	Thermal output [Watt]			Exponent [n]
						Δt=50°C		Δt=30°C				
760	400	350	3551586100201	3551586100251	3551586100401	5,1	0,57	3,4	317	170	1,2169	300
	450	400	3551586100202	3551586100252	3551586100402	5,6	0,62	3,7	348	186	1,2179	300
	500	450	3551586100203	3551586100253	3551586100403	6,0	0,68	4,0	379	203	1,2189	400
	550	500	3551586100204	3551586100254	3551586100404	6,4	0,74	4,3	410	219	1,2199	400
	600	550	3551586100205	3551586100255	3551586100405	6,9	0,80	4,6	441	236	1,2208	400
	750	700	3551586100206	3551586100256	3551586100406	8,2	0,98	5,6	534	285	1,2238	500
980	1000	950	3551586100207	3551586100257	3551586100407	10,4	1,27	7,1	712	380	1,2287	700
	400	350	3551586100208	3551586100258	3551586100408	6,3	0,70	4,2	388	207	1,2299	400
	450	400	3551586100209	3551586100259	3551586100409	6,8	0,77	4,6	427	227	1,2298	400
	500	450	3551586100210	3551586100260	3551586100410	7,4	0,84	4,9	466	248	1,2297	400
	550	500	3551586100211	3551586100261	3551586100411	7,9	0,91	5,3	505	269	1,2295	500
	600	550	3551586100212	3551586100262	3551586100412	8,4	0,98	5,7	543	289	1,2294	500
1160	750	700	3551586100213	3551586100263	3551586100413	10,0	1,19	6,8	660	352	1,2290	600
	1000	950	3551586100214	3551586100264	3551586100414	12,7	1,55	8,7	880	469	1,2283	900
	400	350	3551586100215	3551586100265	3551586100415	7,6	0,84	5,1	449	238	1,2404	400
	450	400	3551586100216	3551586100266	3551586100416	8,2	0,93	5,5	494	262	1,2393	500
	500	450	3551586100217	3551586100267	3551586100417	8,9	1,02	6,0	539	286	1,2383	500
	550	500	3551586100218	3551586100268	3551586100418	9,5	1,10	6,4	585	310	1,2373	600
1411	600	550	3551586100219	3551586100269	3551586100419	10,2	1,19	6,9	630	335	1,2362	600
	750	700	3551586100220	3551586100270	3551586100420	12,1	1,45	8,3	766	408	1,2331	700
	1000	950	3551586100221	3551586100271	3551586100421	15,4	1,88	10,5	1021	545	1,2279	1000
	400	350	3551586100222	3551586100272	3551586100422	9,4	1,00	6,3	541	286	1,2427	500
	450	400	3551586100223	3551586100273	3551586100423	10,2	1,09	6,9	596	316	1,2420	600
	500	450	3551586100224	3551586100274	3551586100424	11,1	1,27	7,5	651	345	1,2413	600
1600	550	500	3551586100225	3551586100275	3551586100425	11,9	1,38	8,1	706	374	1,2406	700
	600	550	3551586100226	3551586100276	3551586100426	12,7	1,49	8,6	762	404	1,2399	700
	750	700	3551586100227	3551586100277	3551586100427	15,2	1,82	10,4	927	492	1,2378	600
	1000	950	3551586100228	3551586100278	3551586100428	19,3	2,37	13,3	1236	657	1,2343	1200
	400	350	3551586100229	3551586100279	3551586100429	10,3	1,60	6,9	615	325	1,2445	600
	450	400	3551586100230	3551586100280	3551586100430	11,2	1,27	7,6	679	359	1,2440	700
1775	500	450	3551586100231	3551586100281	3551586100431	12,1	1,39	8,2	742	393	1,2436	700
	550	500	3551586100232	3551586100282	3551586100432	13,0	1,51	8,8	805	426	1,2431	700
	600	550	3551586100233	3551586100283	3551586100433	13,9	1,63	9,4	869	460	1,2427	900
	750	700	3551586100234	3551586100284	3551586100434	16,5	1,98	11,3	1058	561	1,2414	1000
	1000	950	3551586100235	3551586100285	3551586100435	21,0	2,57	14,4	1411	749	1,2392	1200
	400	350	3551586100236	3551586100286	3551586100436	11,6	1,30	7,8	691	363	1,2591	700
1775	450	400	3551586100237	3551586100287	3551586100437	12,6	1,43	8,5	761	400	1,2577	700
	500	450	3551586100238	3551586100288	3551586100438	13,6	1,57	9,2	832	437	1,2564	700
	550	500	3551586100239	3551586100289	3551586100439	14,6	1,71	9,9	903	475	1,2550	900
	600	550	3551586100240	3551586100290	3551586100440	15,6	1,83	10,6	974	513	1,2537	1000
1775	750	700	3551586100241	3551586100291	3551586100441	18,6	2,24	12,7	1187	626	1,2496	1200
	1000	950	3551586100242	3551586100292	3551586100442	23,6	2,90	16,3	1583	839	1,2428	1200

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

LISA® 25

CHROMED



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in mild steel semi oval 30x40 mm.
- Horizontal heating elements in mild steel \varnothing 25 mm.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Finishing:

Chrome (PLATED IN ITALY)

ACCESSORIES

For Accessories range see Accessories chapter



CHROMED VALVE
KIT

For information about Kristal valves, see radiators and towel rails catalogue



KIT 2 HOOKS
CHROMED

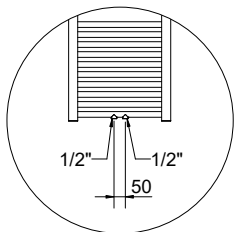
Art. nr. 5991990310303



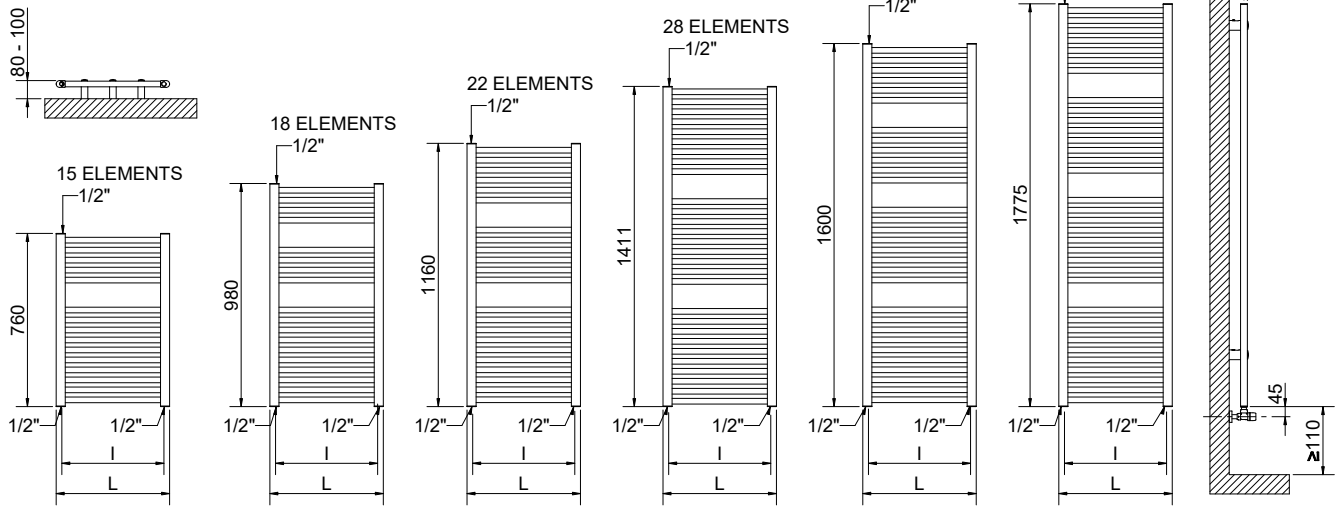
TOWEL BAR
CHROMED
Width= 370 mm

Art. nr. 5991990310302

Applicable only for width \geq 450 mm



Detail of the 50 mm pipe centres version.



LISA® 25 CHROMED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Dry weight [kg]	Surface [m²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	Dual energy kit [Watt]
				Art. nr.	Art. nr.				Δt=50°C	Δt=30°C		
760	450	400	3551586110202	3551586110252	3551586110252	5,6	0,62	3,7	232	124	1,2235	-
	500	450	3551586110203	3551586110253	3551586110253	6,0	0,68	4,0	254	136	1,2218	-
	550	500	3551586110204	3551586110254	3551586110254	6,4	0,74	4,3	275	147	1,2204	-
980	600	550	3551586110205	3551586110255	3551586110255	6,9	0,80	4,6	296	158	1,2192	300
	450	400	3551586110209	3551586110259	3551586110259	6,8	0,77	4,6	285	153	1,2116	300
	500	450	3551586110210	3551586110260	3551586110260	7,4	0,84	4,9	313	168	1,2156	300
1160	550	500	3551586110211	3551586110261	3551586110261	7,9	0,91	5,3	340	182	1,2133	300
	600	550	3551586110212	3551586110262	3551586110262	8,4	0,98	5,7	367	197	1,2087	300
	450	400	3551586110216	3551586110266	3551586110266	8,2	0,93	5,5	330	174	1,2448	300
1411	500	450	3551586110217	3551586110267	3551586110267	8,9	1,02	6,0	362	191	1,2427	300
	550	500	3551586110218	3551586110268	3551586110268	9,5	1,10	6,4	394	209	1,2410	400
	600	550	3551586110219	3551586110269	3551586110269	10,2	1,19	6,9	426	226	1,2378	400
1600	450	400	3551586110223	3551586110273	3551586110273	10,2	1,69	6,9	397	207	1,2666	400
	500	450	3551586110224	3551586110274	3551586110274	11,1	1,27	7,5	436	229	1,2595	400
	550	500	3551586110225	3551586110275	3551586110275	11,9	1,38	8,1	475	249	1,2592	500
1775	600	550	3551586110226	3551586110276	3551586110276	12,7	1,49	8,6	513	270	1,2537	500
	450	400	3551586110230	3551586110280	3551586110280	11,2	1,27	7,6	451	235	1,2699	400
	500	450	3551586110231	3551586110281	3551586110281	12,1	1,39	8,2	495	259	1,2660	500
	550	500	3551586110232	3551586110282	3551586110282	13,0	1,51	8,8	539	282	1,2628	500
	600	550	3551586110233	3551586110283	3551586110283	13,9	1,63	9,4	582	305	1,2600	600
	450	400	3551586110237	3551586110287	3551586110287	12,6	1,43	8,5	505	270	1,2209	500
	500	450	3551586110238	3551586110288	3551586110288	13,6	1,57	9,2	553	297	1,2128	500
	550	500	3551586110239	3551586110289	3551586110289	14,6	1,71	9,9	601	323	1,2107	600
	600	550	3551586110240	3551586110290	3551586110290	15,6	1,83	10,6	649	349	1,2089	600

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

LISA® 25 CURVED



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm.
- Curved horizontal heating elements in painted mild steel \varnothing 25 mm.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

ACCESSORIES

For Accessories range see Accessories chapter



KRISTAL VALVES
WHITE COLOUR

For information about Kristal valves, see radiators and towel rails catalogue



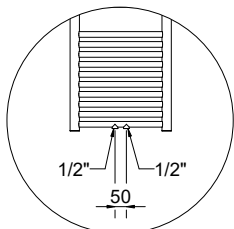
KIT 2 HOOKS
WHITE COLOUR

Art. nr. 5991990310171

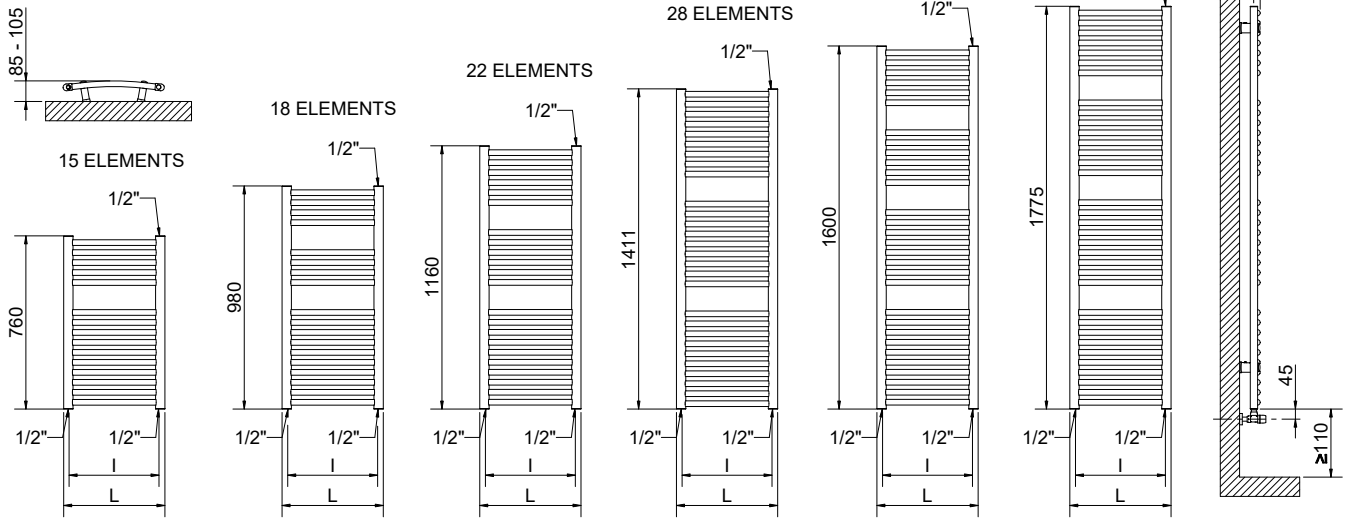


MY WAY®
SYSTEM

For information see RADIATORS and TOWEL RAILS catalogue



Detail of the 50 mm pipe centres version.



LISA® 25 CURVED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.
760	400	350	3551586100301
	450	396	3551586100302
	500	444	3551586100303
	550	493	3551586100304
	600	546	3551586100305
	750	694	3551586100306
980	400	350	3551586100308
	450	396	3551586100309
	500	444	3551586100310
	550	493	3551586100311
	600	546	3551586100312
	750	694	3551586100313
1160	400	350	3551586100315
	450	396	3551586100316
	500	444	3551586100317
	550	493	3551586100318
	600	546	3551586100319
	750	694	3551586100320
1411	400	350	3551586100322
	450	396	3551586100323
	500	444	3551586100324
	550	493	3551586100325
	600	546	3551586100326
	750	694	3551586100327
1600	400	350	3551586100329
	450	396	3551586100330
	500	444	3551586100331
	550	493	3551586100332
	600	546	3551586100333
	750	694	3551586100334
1775	400	350	3551586100336
	450	396	3551586100337
	500	444	3551586100338
	550	493	3551586100339
	600	546	3551586100340
	750	694	3551586100341

PIPE CENTRES 50 mm

Art. nr.
3551586100351
3551586100352
3551586100353
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3551586100389
3551586100390
3551586100391

Colour PURE WHITE R01-RAL 9010

Dry weight [Kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	Dual energy kit [Watt]
			Δt=50°C	Δt=30°C		
5,1	0,57	3,4	317	170	1,2169	300
5,6	0,62	3,7	348	186	1,2179	300
6,0	0,68	4,0	379	203	1,2189	400
6,4	0,74	4,3	410	219	1,2199	400
6,9	0,80	4,6	441	236	1,2208	400
8,2	0,98	5,6	534	285	1,2238	500
6,3	0,70	4,2	388	207	1,2299	400
6,8	0,77	4,6	427	227	1,2298	400
7,4	0,84	4,9	466	248	1,2297	400
7,9	0,91	5,3	505	269	1,2295	500
8,4	0,98	5,7	543	289	1,2294	500
10,0	1,19	6,8	660	352	1,2290	600
7,6	0,84	5,1	449	238	1,2404	400
8,2	0,93	5,5	494	262	1,2393	500
8,9	1,02	6,0	539	286	1,2383	500
9,5	1,10	6,4	585	310	1,2373	600
10,2	1,19	6,9	630	335	1,2362	600
12,1	1,45	8,3	766	408	1,2331	700
9,4	1,00	6,3	541	286	1,2427	500
10,2	1,69	6,9	596	316	1,2420	600
11,1	1,27	7,5	651	345	1,2413	600
11,9	1,38	8,1	706	374	1,2406	700
12,7	1,49	8,6	762	404	1,2399	700
15,2	1,82	10,4	927	492	1,2378	900
10,3	1,60	6,9	615	325	1,2445	600
11,2	1,27	7,6	679	359	1,2440	700
12,1	1,39	8,2	742	393	1,2436	700
13,0	1,51	8,8	805	426	1,2431	700
13,9	1,63	9,4	869	460	1,2427	900
16,5	1,98	11,3	1058	561	1,2414	1000
11,6	1,30	7,8	691	363	1,2591	700
12,6	1,43	8,5	761	400	1,2577	700
13,6	1,57	9,2	832	437	1,2564	700
14,6	1,71	9,9	903	475	1,2550	900
15,6	1,83	10,6	974	513	1,2537	1000
18,6	2,24	12,7	1187	626	1,2496	1200

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

LISA® 25

CURVED CHROMED



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in mild steel semi oval 30x40 mm.
- Curved horizontal heating elements in mild steel \varnothing 25 mm.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Finishing:

Chrome (PLATED IN ITALY)

ACCESSORIES

For Accessories range see Accessories chapter



CHROMED VALVE
KIT

For information about Kristal valves, see radiators and towel rails catalogue



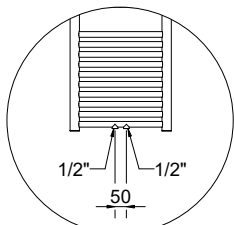
KIT 2 HOOKS
CHROMED

Art. nr. 5991990310303

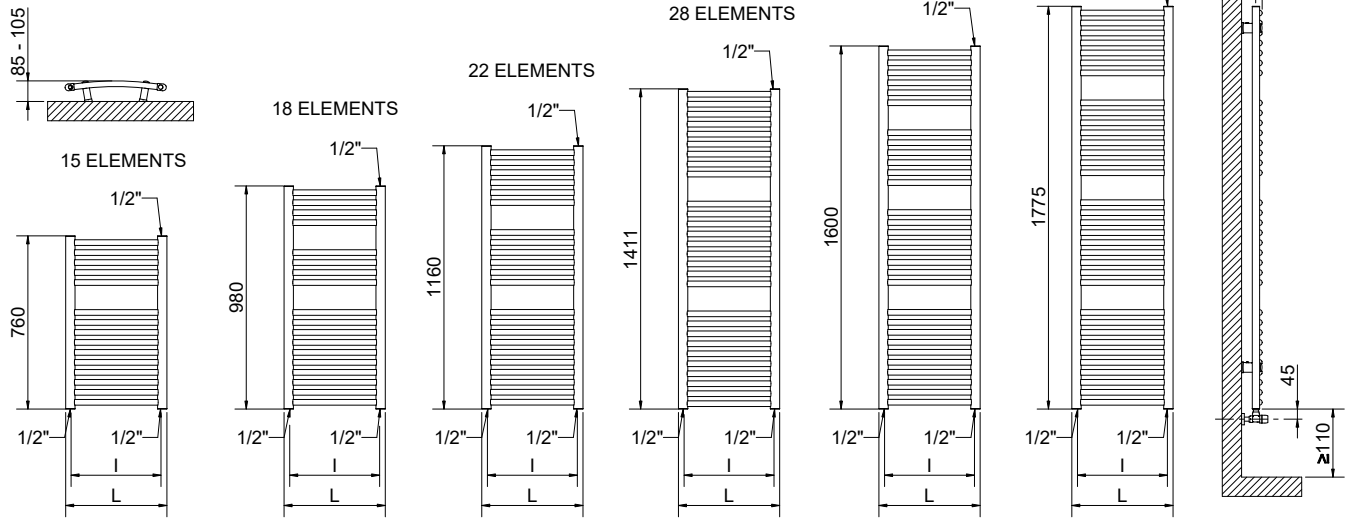


MY WAY®
SYSTEM

For information see RADIATORS and TOWEL RAILS catalogue



Detail of the 50 mm pipe centres version.



LISA® 25 CURVED CHROMED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Dry weight [Kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	Dual energy kit [Watt]
				Art. nr.	Art. nr.				Δt=50°C	Δt=30°C		
760	450	400	3551586110302	3551586110352	3551586110352	5,6	0,62	3,7	232	124	1,2235	-
	500	450	3551586110303	3551586110353	3551586110353	6,0	0,68	4,0	254	136	1,2218	-
	550	500	3551586110304	3551586110354	3551586110354	6,4	0,74	4,3	275	147	1,2204	-
	600	550	3551586110305	3551586110355	3551586110355	6,9	0,80	4,6	296	158	1,2192	300
980	450	400	3551586110309	3551586110359	3551586110359	6,8	0,77	4,6	285	153	1,2116	300
	500	450	3551586110310	3551586110360	3551586110360	7,4	0,84	4,9	313	168	1,2156	300
	550	500	3551586110311	3551586110361	3551586110361	7,9	0,91	5,3	340	182	1,2133	300
	600	550	3551586110312	3551586110362	3551586110362	8,4	0,98	5,7	367	197	1,2087	300
1160	450	400	3551586110316	3551586110366	3551586110366	8,2	0,93	5,5	330	174	1,2448	300
	500	450	3551586110317	3551586110367	3551586110367	8,9	1,02	6,0	362	191	1,2427	300
	550	500	3551586110318	3551586110368	3551586110368	9,5	1,10	6,4	394	209	1,2410	400
	600	550	3551586110319	3551586110369	3551586110369	10,2	1,19	6,9	426	226	1,2378	400
1411	450	400	3551586110323	3551586110373	3551586110373	10,2	1,69	6,9	397	207	1,2666	400
	500	450	3551586110324	3551586110374	3551586110374	11,1	1,27	7,5	436	229	1,2595	400
	550	500	3551586110325	3551586110375	3551586110375	11,9	1,38	8,1	475	249	1,2592	500
	600	550	3551586110326	3551586110376	3551586110376	12,7	1,49	8,6	513	270	1,2537	500
1600	450	400	3551586110330	3551586110380	3551586110380	11,2	1,27	7,6	451	235	1,2699	500
	500	450	3551586110331	3551586110381	3551586110381	12,1	1,39	8,2	495	259	1,2660	500
	550	500	3551586110332	3551586110382	3551586110382	13,0	1,51	8,8	539	282	1,2628	500
	600	550	3551586110333	3551586110383	3551586110383	13,9	1,63	9,4	582	305	1,2600	600
1775	450	400	3551586110337	3551586110387	3551586110387	12,6	1,43	8,5	505	270	1,2209	500
	500	450	3551586110338	3551586110388	3551586110388	13,6	1,57	9,2	553	297	1,2128	500
	550	500	3551586110339	3551586110389	3551586110389	14,6	1,71	9,9	601	323	1,2107	600
	600	550	3551586110340	3551586110390	3551586110390	15,6	1,83	10,6	649	349	1,2089	600

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**



AVAILABLE FUNCTIONS:

- Hot water**
- Electric** (see page 46)
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm
- Horizontal heating elements in painted mild steel \varnothing 22 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

ACCESSORIES

For Accessories range see Accessories chapter



KRISTAL VALVES
WHITE COLOUR

For information about Kristal valves, see radiators and towel rails catalogue



KIT 2 HOOKS
WHITE COLOUR

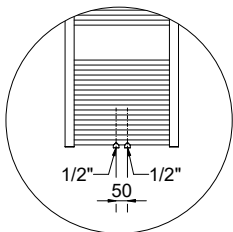
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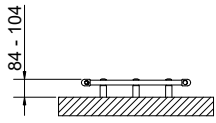
TOWEL BAR
WHITE COLOUR
Width= 370 mm

Art. nr. 5991990310170

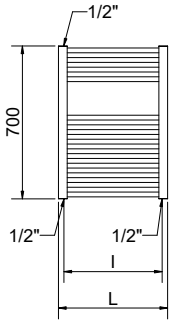
Applicable only for width \geq 450 mm



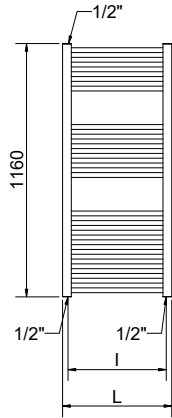
Detail of the 50 mm pipe centres version.



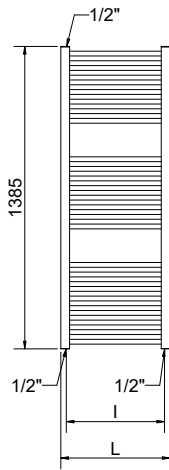
13 ELEMENTS



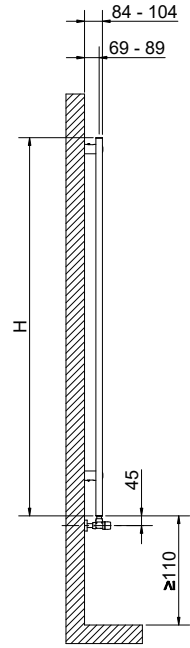
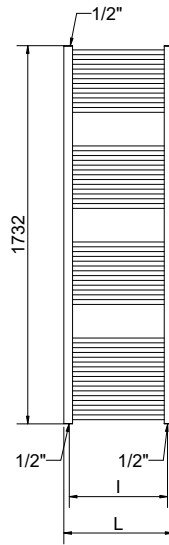
20 ELEMENTS



25 ELEMENTS



30 ELEMENTS



LISA® 22

Height [mm]	Width L [mm]	Pipe Centres l [mm]	STANDARD PIPE CENTRES		PIPE CENTRES 50 mm		Colour PURE WHITE R01-RAL 9010					Dual energy kit [Watt]
			Art. nr.	Art. nr.	Dry weight [Kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]		Exponent [n]		
							Δt=50°C	Δt=30°C				
700	400	350	3551646101077	3551646101081	3,8	0,46	2,6	257	137	1,22270	-	
	450	400	3551646101001	3551646101021	4,0	5,10	2,9	282	150	1,22320	300	
	500	450	3551646101002	3551646101022	4,3	0,55	3,1	306	163	1,22371	300	
	550	500	3551646101003	3551646101023	4,6	0,60	3,3	330	176	1,22421	300	
	600	550	3551646101004	3551646101024	4,9	0,64	3,5	355	189	1,22472	300	
1160	750	700	3551646101133	3551646101137	5,7	0,75	4,1	427	228	1,22623	400	
	400	350	3551646101078	3551646101082	6,0	0,73	4,2	408	216	1,23621	400	
	450	400	3551646101005	3551646101025	6,4	0,80	4,5	448	238	1,23736	400	
	500	450	3551646101006	3551646101026	6,8	0,87	4,9	487	258	1,23852	500	
	550	500	3551646101007	3551646101027	7,2	0,94	5,2	526	279	1,23967	500	
1385	600	550	3551646101008	3551646101028	7,6	1,01	5,5	565	299	1,24082	500	
	750	700	3551646101134	3551646101138	8,9	1,18	6,5	683	361	1,24428	700	
	400	350	3551646101079	3551646101083	7,3	0,90	5,2	509	272	1,22627	500	
	450	400	3551646101009	3551646101029	7,8	0,99	5,6	558	297	1,22868	500	
	500	450	3551646101010	3551646101030	8,3	1,07	6,0	606	323	1,23108	600	
1732	550	500	3551646101011	3551646101031	8,8	1,16	6,4	655	348	1,23349	600	
	600	550	3551646101012	3551646101032	9,3	1,25	6,8	703	373	1,23589	700	
	750	700	3551646101135	3551646101139	10,9	1,45	8,0	849	449	1,24311	700	
	400	350	3551646101080	3551646101084	8,9	1,10	6,3	634	334	1,25108	600	
	450	400	3551646101013	3551646101033	9,5	1,20	6,8	695	367	1,24984	700	
1732	500	450	3551646101014	3551646101034	10,1	1,31	7,3	756	399	1,24860	700	
	550	500	3551646101015	3551646101035	10,8	1,41	7,8	817	432	1,24736	700	
	600	550	3551646101016	3551646101036	11,4	1,51	8,3	878	464	1,24613	900	
	750	700	3551646101136	3551646101140	13,3	1,76	9,8	1062	562	1,24241	1000	

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

LISA[®] 22 BLACK



HOT WATER HEATING RADIATORS,
CONVECTORS AND RADIANT MOUNTED
CEILING PANELS - NF 047

NEW



AVAILABLE FUNCTIONS:

- Hot water**
- Electric** (see page 48)
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm
- Horizontal heating elements in painted mild steel \varnothing 22 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.

Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

T01 matt black

ACCESSORIES

For Accessories range see Accessories chapter



CHROMED VALVE
KIT

For information about Kristal valves, see radiators and towel rails catalogue



TOWEL BAR
CHROMED
Width= 370 mm

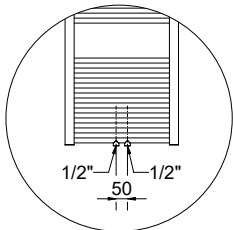
Art. nr. 5991990310302

Applicable only for width \geq 450 mm

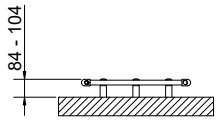


KIT 2 HOOKS
CHROMED

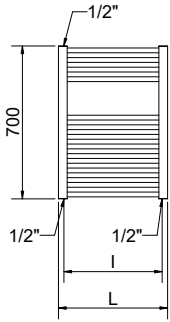
Art. nr. 5991990310303



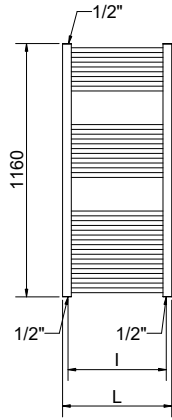
Detail of the 50 mm pipe centres version.



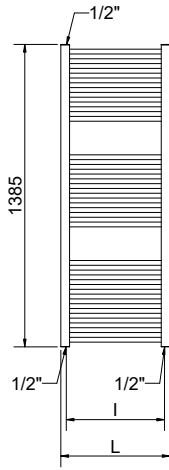
13 ELEMENTS



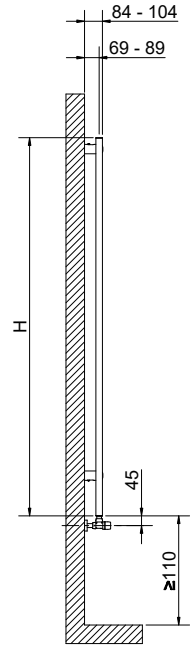
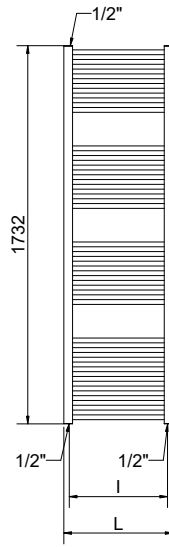
20 ELEMENTS



25 ELEMENTS



30 ELEMENTS



LISA® 22 BLACK

Height [mm]	Width L [mm]	Pipe Centres l [mm]	STANDARD PIPE CENTRES		PIPE CENTRES 50 mm		Colour T01 MATT BLACK				Dual energy kit [Watt]
			Art. nr.	Art. nr.	Dry weight [Kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	
							Δt=50°C	Δt=30°C			
700	400	350	3551640005223	3551640005247	3,8	0,46	2,6	257	137	1,22270	-
	450	400	3551640005224	3551640005248	4,0	5,10	2,9	282	150	1,22320	300
	500	450	3551640005225	3551640005249	4,3	0,55	3,1	306	163	1,22371	300
	550	500	3551640005226	3551640005250	4,6	0,60	3,3	330	176	1,22421	300
	600	550	3551640005227	3551640005251	4,9	0,64	3,5	355	189	1,22472	300
1160	750	700	3551640005228	3551640005252	5,7	0,75	4,1	427	228	1,22623	400
	400	350	3551640005229	3551640005253	6,0	0,73	4,2	408	216	1,23621	400
	450	400	3551640005230	3551640005254	6,4	0,80	4,5	448	238	1,23736	400
	500	450	3551640005231	3551640005255	6,8	0,87	4,9	487	258	1,23852	500
	550	500	3551640005232	3551640005256	7,2	0,94	5,2	526	279	1,23967	500
1385	600	550	3551640005233	3551640005257	7,6	1,01	5,5	565	299	1,24082	500
	750	700	3551640005234	3551640005258	8,9	1,18	6,5	683	361	1,24428	700
	400	350	3551640005235	3551640005259	7,3	0,90	5,2	509	272	1,22627	500
	450	400	3551640005236	3551640005260	7,8	0,99	5,6	558	297	1,22868	500
	500	450	3551640005237	3551640005261	8,3	1,07	6,0	606	323	1,23108	600
1732	550	500	3551640005238	3551640005262	8,8	1,16	6,4	655	348	1,23349	600
	600	550	3551640005239	3551640005263	9,3	1,25	6,8	703	373	1,23589	700
	750	700	3551640005240	3551640005264	10,9	1,45	8,0	849	449	1,24311	700
	400	350	3551640005241	3551640005265	8,9	1,10	6,3	634	334	1,25108	600
	450	400	3551640005242	3551640005266	9,5	1,20	6,8	695	367	1,24984	700
1732	500	450	3551640005243	3551640005267	10,1	1,31	7,3	756	399	1,24860	700
	550	500	3551640005244	3551640005268	10,8	1,41	7,8	817	432	1,24736	700
	600	550	3551640005245	3551640005269	11,4	1,51	8,3	878	464	1,24613	900
750	700	3551640005246	3551640005270	13,3	1,76	9,8	1062	562	1,24241	1000	

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

LISA® 22

CHROMED



AVAILABLE FUNCTIONS:

- Hot water**
- Electric** (see page 50)
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in mild steel semi oval 30x40 mm
- Horizontal heating elements in mild steel \varnothing 22 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Finishing:

Chrome (PLATED IN ITALY)

ACCESSORIES

For Accessories range see Accessories chapter



CHROMED VALVE KIT

For information about Kristal valves, see radiators and towel rails catalogue



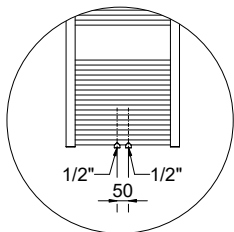
TOWEL BAR CHROMED
Width= 370 mm

Art. nr. 5991990310302
Applicable only for width \geq 450 mm

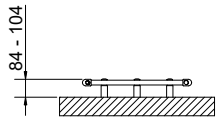


KIT 2 HOOKS CHROMED

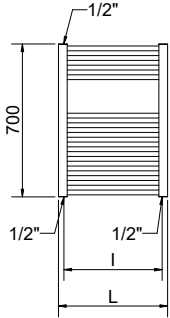
Art. nr. 5991990310303



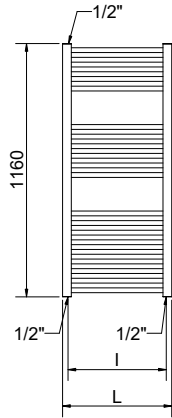
Detail of the 50 mm pipe centres version.



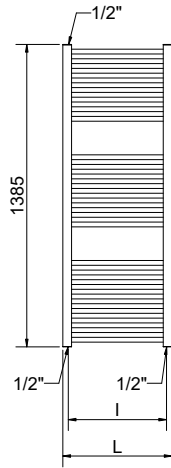
13 ELEMENTS



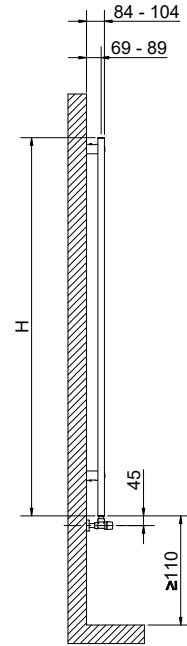
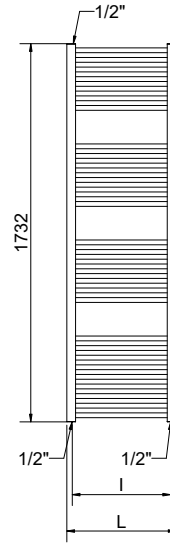
20 ELEMENTS



25 ELEMENTS



30 ELEMENTS



LISA® 22 CHROMED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Dry weight [Kg]	Surface [m²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	Dual energy kit [Watt]
				Art. nr.	Art. nr.				Δt=50°C	Δt=30°C		
700	400	350	3551646101277	3551646101281	3551646101281	3,8	0,46	2,6	181	95	1,24994	-
	450	400	3551646101201	3551646101221	3551646101221	4,0	5,10	2,9	197	104	1,24795	-
	500	450	3551646101202	3551646101222	3551646101222	4,3	0,55	3,1	213	112	1,24595	-
	550	500	3551646101203	3551646101223	3551646101223	4,6	0,60	3,3	230	121	1,24396	-
	600	550	3551646101204	3551646101224	3551646101224	4,9	0,64	3,5	246	130	1,24196	-
1160	400	350	3551646101278	3551646101282	3551646101282	6,0	0,73	4,2	289	152	1,25655	300
	450	400	3551646101205	3551646101225	3551646101225	6,4	0,80	4,5	315	165	1,25689	300
	500	450	3551646101206	3551646101226	3551646101226	6,8	0,87	4,9	340	178	1,25724	300
	550	500	3551646101207	3551646101227	3551646101227	7,2	0,94	5,2	366	192	1,25758	300
1385	400	350	3551646101208	3551646101228	3551646101228	7,6	1,01	5,5	391	205	1,25792	400
	450	400	3551646101209	3551646101229	3551646101229	7,8	0,99	5,6	372	195	1,25745	300
	500	450	3551646101210	3551646101230	3551646101230	8,3	1,07	6,0	406	213	1,25613	400
1732	550	500	3551646101211	3551646101231	3551646101231	8,8	1,16	6,4	440	231	1,25481	400
	600	550	3551646101212	3551646101232	3551646101232	9,3	1,25	6,8	474	249	1,25350	500
	400	350	3551646101280	3551646101284	3551646101284	8,9	1,10	6,3	439	231	1,25027	400
	450	400	3551646101213	3551646101233	3551646101233	9,5	1,20	6,8	479	252	1,25195	500
1732	500	450	3551646101214	3551646101234	3551646101234	10,1	1,31	7,3	519	273	1,25362	500
	550	500	3551646101215	3551646101235	3551646101235	10,8	1,41	7,8	559	294	1,25530	500
	600	550	3551646101216	3551646101236	3551646101236	11,4	1,51	8,3	599	315	1,25697	600

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

LISA® 22 CURVED



HOT WATER HEATING RADIATORS,
CONVECTORS AND RADIANT MOUNTED
CEILING PANELS - NF 047



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm
- Curved horizontal heating elements in painted mild steel \varnothing 22 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

ACCESSORIES

For Accessories range see Accessories chapter



KRISTAL VALVES
WHITE COLOUR

For information about Kristal valves, see radiators and towel rails catalogue



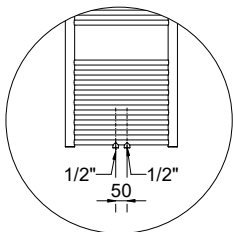
KIT 2 HOOKS
WHITE COLOUR

Art. nr. 5991990310171

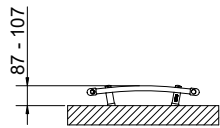


MY WAY®
SYSTEM

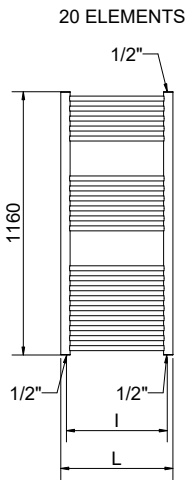
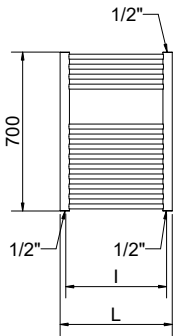
For information see RADIATORS and TOWEL RAILS catalogue



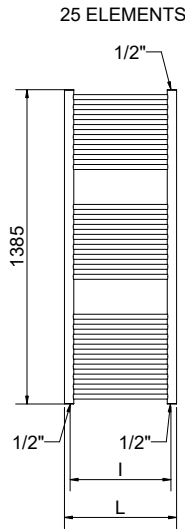
Detail of the 50 mm pipe centres version.



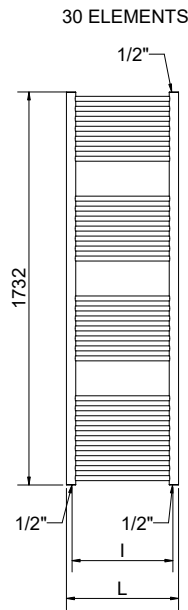
13 ELEMENTS



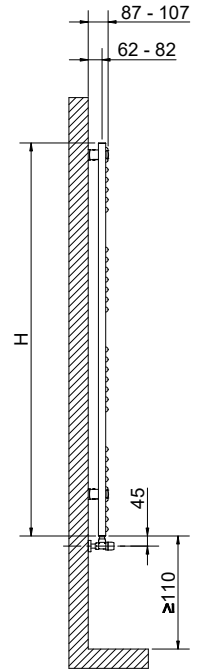
20 ELEMENTS



25 ELEMENTS



30 ELEMENTS



LISA® 22 CURVED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Colour PURE WHITE R01-RAL 9010			Thermal output [Watt]		Exponent [n]	Dual energy kit [Watt]
				Art. nr.	Art. nr.	Dry weight [Kg]	Surface [m ²]	Water content [lt]	Δt=50°C	Δt=30°C		
700	400	350	3551646101085	3551646101089	3551646101089	3,8	0,46	2,6	257	137	1,22270	-
	450	396	3551646101041	3551646101061	3551646101061	4,0	5,10	2,9	282	150	1,22320	300
	500	444	3551646101042	3551646101062	3551646101062	4,3	0,55	3,1	306	163	1,22371	300
	550	493	3551646101043	3551646101063	3551646101063	4,6	0,60	3,3	330	176	1,22421	300
	600	546	3551646101044	3551646101064	3551646101064	4,9	0,64	3,5	355	189	1,22472	300
1160	750	696	3551646101141	3551646101145	3551646101145	5,7	0,75	4,1	427	228	1,22623	400
	400	350	3551646101086	3551646101090	3551646101090	6,0	0,73	4,2	408	216	1,23621	400
	450	396	3551646101045	3551646101065	3551646101065	6,4	0,80	4,5	448	238	1,23736	400
	500	444	3551646101046	3551646101066	3551646101066	6,8	0,87	4,9	487	258	1,23852	500
	550	493	3551646101047	3551646101067	3551646101067	7,2	0,94	5,2	526	279	1,23967	500
1385	600	546	3551646101048	3551646101068	3551646101068	7,6	1,01	5,5	565	299	1,24082	500
	750	696	3551646101142	3551646101146	3551646101146	8,9	1,18	6,5	683	361	1,24428	700
	400	350	3551646101087	3551646101091	3551646101091	7,3	0,90	5,2	509	272	1,22627	500
	450	396	3551646101049	3551646101069	3551646101069	7,8	0,99	5,6	558	297	1,22868	500
	500	444	3551646101050	3551646101070	3551646101070	8,3	1,07	6,0	606	323	1,23108	600
1732	550	493	3551646101051	3551646101071	3551646101071	8,8	1,16	6,4	655	348	1,23349	600
	600	546	3551646101052	3551646101072	3551646101072	9,3	1,25	6,8	703	373	1,23589	700
	750	696	3551646101143	3551646101147	3551646101147	10,9	1,45	8,0	849	449	1,24311	700
	400	350	3551646101088	3551646101092	3551646101092	8,9	1,10	6,3	634	334	1,25108	600
	450	396	3551646101053	3551646101073	3551646101073	9,5	1,20	6,8	695	367	1,24984	700
1732	500	444	3551646101054	3551646101074	3551646101074	10,1	1,31	7,3	756	399	1,24860	700
	550	493	3551646101055	3551646101075	3551646101075	10,8	1,41	7,8	817	432	1,24736	700
	600	546	3551646101056	3551646101076	3551646101076	11,4	1,51	8,3	878	464	1,24613	900
	750	696	3551646101144	3551646101148	3551646101148	13,3	1,76	9,8	1062	562	1,24241	1000

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

LISA® 22

CURVED CHROMED



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in mild steel semi oval da 30x40 mm.
- Curved horizontal heating elements in mild steel \varnothing 22 mm.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Finishing:

Chrome (PLATED IN ITALY)

ACCESSORIES

For Accessories range see Accessories chapter



CHROMED VALVE
KIT



KIT 2 HOOKS
CHROMED

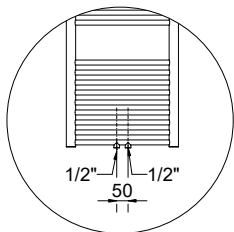


MY WAY®
SYSTEM

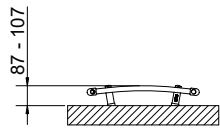
For information about Kristal valves, see radiators and towel rails catalogue

Art. nr. 5991990310303

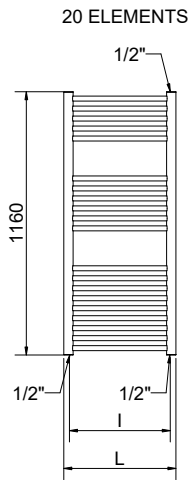
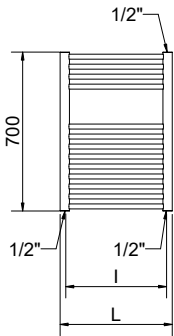
For information see RADIATORS and TOWEL RAILS catalogue



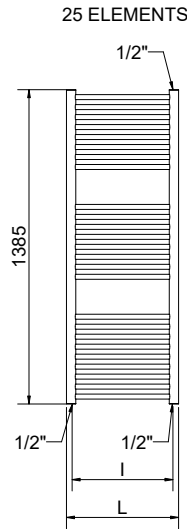
Detail of the 50 mm pipe centres version.



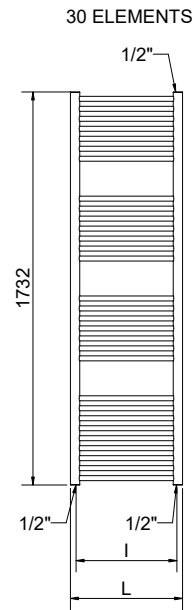
13 ELEMENTS



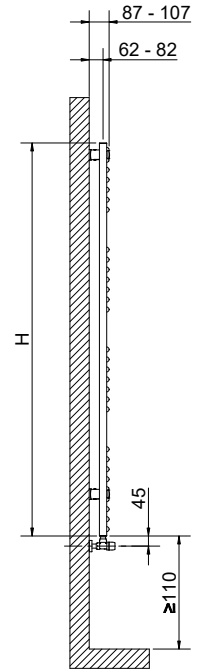
20 ELEMENTS



25 ELEMENTS



30 ELEMENTS



LISA® 22 CURVED CHROMED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Dry weight [Kg]	Surface [m²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	Dual energy kit [Watt]
				Art. nr.					Δt=50°C	Δt=30°C		
700	400	350	3551646101285	3551646101289		3,8	0,46	2,6	181	95	1,24994	-
	450	396	3551646101241	3551646101261		4,0	5,10	2,9	197	104	1,24795	-
	500	444	3551646101242	3551646101262		4,3	0,55	3,1	213	112	1,24595	-
	550	493	3551646101243	3551646101263		4,6	0,60	3,3	230	121	1,24396	-
	600	546	3551646101244	3551646101264		4,9	0,64	3,5	246	130	1,24196	-
1160	400	350	3551646101286	3551646101290		6,0	0,73	4,2	289	152	1,25655	300
	450	396	3551646101245	3551646101265		6,4	0,80	4,5	315	165	1,25689	300
	500	444	3551646101246	3551646101266		6,8	0,87	4,9	340	178	1,25724	300
	550	493	3551646101247	3551646101267		7,2	0,94	5,2	366	192	1,25758	300
	600	546	3551646101248	3551646101268		7,6	1,01	5,5	391	205	1,25792	400
1385	400	350	3551646101287	3551646101291		7,3	0,90	5,2	339	178	1,25877	300
	450	396	3551646101249	3551646101269		7,8	0,99	5,6	372	195	1,25745	300
	500	444	3551646101250	3551646101270		8,3	1,07	6,0	406	213	1,25613	400
	550	493	3551646101251	3551646101271		8,8	1,16	6,4	440	231	1,25481	400
	600	546	3551646101252	3551646101272		9,3	1,25	6,8	474	249	1,25350	500
1732	400	350	3551646101288	3551646101292		8,9	1,10	6,3	439	231	1,25027	400
	450	396	3551646101253	3551646101273		9,5	1,20	6,8	479	252	1,25195	500
	500	444	3551646101254	3551646101274		10,1	1,31	7,3	519	273	1,25362	500
	550	493	3551646101255	3551646101275		10,8	1,41	7,8	559	294	1,25530	500
	600	546	3551646101256	3551646101276		11,4	1,51	8,3	599	315	1,25697	600

For output at different Δt than 50°C, please refer to the following formula: $\text{desired output} = \text{output at } \Delta t \text{ } 50^\circ\text{C} \times (\text{desired } \Delta t / 50)^\text{n}$



AVAILABLE FUNCTIONS:

- Hot water
- Dual energy (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm
- Horizontal heating elements in painted mild steel \varnothing 25 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

ACCESSORIES

For Accessories range see Accessories chapter



KRISTAL VALVES
WHITE COLOUR

For information about Kristal valves, see radiators and towel rails catalogue



KIT 2 HOOKS
WHITE COLOUR

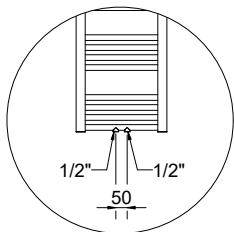
Art. nr. 5991990310171



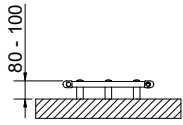
TOWEL BAR
WHITE COLOUR
Width= 370 mm

Art. nr. 5991990310170

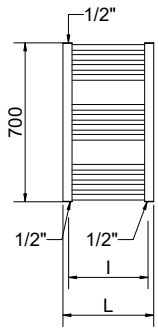
Applicable only for width \geq 450 mm



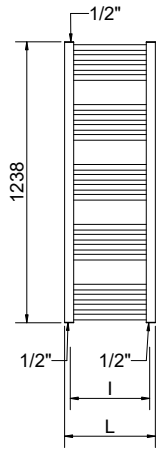
Detail of the 50 mm pipe centres version.



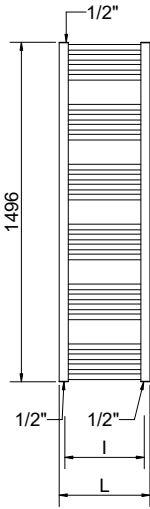
12 ELEMENTS



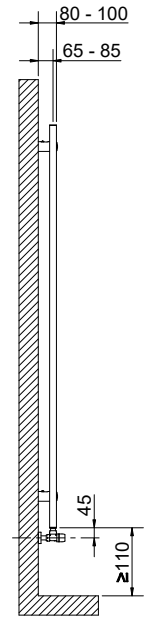
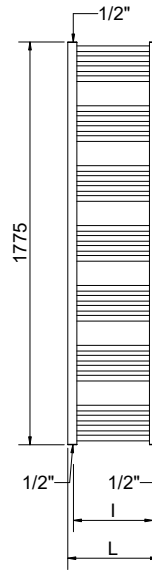
20 ELEMENTS



24 ELEMENTS



28 ELEMENTS



BELEN

Height [mm]	Width L [mm]	Pipe Centres l [mm]	STANDARD PIPE CENTRES		PIPE CENTRES 50 mm		Colour PURE WHITE R01-RAL 9010					
			Art. nr.	Art. nr.	Dry weight [Kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	Dual energy kit [Watt]	
									$\Delta t=50^{\circ}\text{C}$	$\Delta t=30^{\circ}\text{C}$		
700	400	350	3551650000100	3551650000120	3,8	0,479	2,9	258	140	1,18410	-	
	450	400	3551650000101	3551650000121	4,1	0,527	3,2	284	155	1,18348	300	
	500	450	3551650000102	3551650000122	4,4	0,574	3,5	311	169	1,18286	300	
	550	500	3551650000103	3551650000123	4,7	0,621	3,7	337	184	1,18223	300	
	600	550	3551650000104	3551650000124	5,0	0,668	4,0	364	199	1,18161	300	
	750	700	3551650000280	3551650000288	5,9	0,081	4,7	443	242	1,17974	400	
1238	400	350	3551650000105	3551650000125	7,3	1,010	6,0	576	315	1,17663	600	
	450	400	3551650000106	3551650000126	6,6	0,817	5,0	449	241	1,21499	400	
	500	450	3551650000107	3551650000127	7,1	0,896	5,5	492	264	1,21408	500	
	550	500	3551650000108	3551650000128	7,6	0,974	5,9	534	287	1,21316	500	
	600	550	3551650000109	3551650000129	8,0	1,053	6,3	577	310	1,21224	600	
	750	700	3551650000282	3551650000290	8,5	1,131	6,8	619	333	1,21133	600	
1496	1000	950	3551650000283	3551650000291	9,9	1,366	8,0	747	402	1,20858	700	
	400	350	3551650000110	3551650000130	12,3	1,700	10,2	959	518	1,20401	1000	
	450	400	3551650000111	3551650000131	8,0	0,983	6,1	529	284	1,21411	500	
	500	450	3551650000112	3551650000132	8,5	1,077	6,6	582	313	1,21208	600	
	550	500	3551650000113	3551650000133	9,1	1,172	7,1	635	342	1,21005	600	
	600	550	3551650000114	3551650000134	9,7	1,266	7,6	689	371	1,20803	700	
1775	750	700	3551650000284	3551650000292	10,3	1,36	8,1	742	400	1,20600	700	
	1000	950	3551650000285	3551650000293	12,0	1,642	9,7	902	488	1,19991	900	
	400	350	3551650000115	3551650000135	14,7	2,040	12,3	1168	636	1,18977	1200	
	450	400	3551650000116	3551650000136	9,4	1,155	7,1	633	339	1,21897	600	
	500	450	3551650000117	3551650000137	10,0	1,265	7,7	696	373	1,21668	700	
	550	500	3551650000118	3551650000138	10,7	1,374	8,3	758	407	1,21439	700	
	600	550	3551650000119	3551650000139	11,4	1,484	8,9	820	441	1,21210	700	
	750	700	3551650000286	3551650000294	12,1	1,594	9,5	883	475	1,20981	900	
	1000	950	3551650000287	3551650000295	14,051	1,923	11,3	1070	578	1,20294	1000	
					17,24	2,390	14,3	1382	751	1,19148	1200	

For output at different Δt than 50°C, please refer to the following formula: $\text{desired output} = \text{output at } \Delta t 50^{\circ}\text{C} \times (\text{desired } \Delta t / 50)^{1n}$



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in mild steel semi oval 30x40 mm
- Horizontal heating elements in mild steel \varnothing 25 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Finishing:

Chrome (PLATED IN ITALY)

ACCESSORIES

For Accessories range see Accessories chapter



CHROMED VALVE
KIT

For information about Kristal valves, see radiators and towel rails catalogue



KIT 2 HOOKS
CHROMED

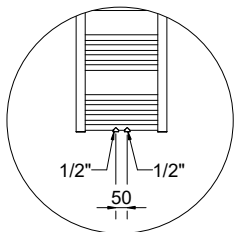
Art. nr. 5991990310303



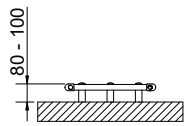
TOWEL BAR
CHROMED
Width= 370 mm

Art. nr. 5991990310302

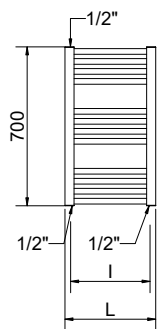
Applicable only for width \geq 450 mm



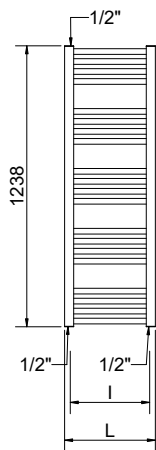
Detail of the 50 mm pipe centres version.



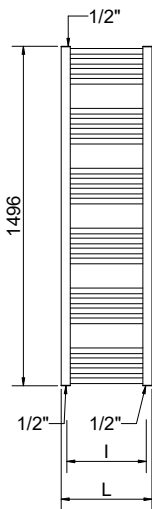
12 ELEMENTS



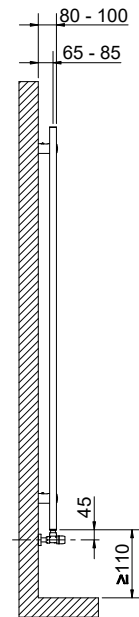
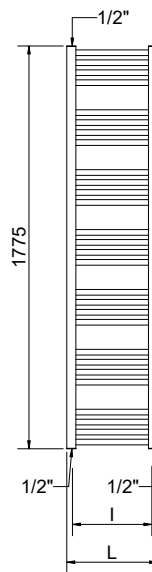
20 ELEMENTS



24 ELEMENTS



28 ELEMENTS



BELEN CHROMED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Dry weight [kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	Dual energy kit [Watt]
				Art. nr.					Δt=50°C	Δt=30°C		
700	400	350	3551650001100	3551650001120		3,8	0,479	2,9	173	94	1,18410	-
	450	400	3551650001101	3551650001121		4,1	0,527	3,2	190	103	1,18348	-
	500	450	3551650001102	3551650001122		4,4	0,574	3,5	208	113	1,18286	-
	550	500	3551650001103	3551650001123		4,7	0,621	3,7	226	123	1,18223	-
	600	550	3551650001104	3551650001124		5,0	0,668	4,0	244	133	1,18161	-
1238	400	350	3551650001105	3551650001125		6,6	0,817	5,0	301	161	1,21499	300
	450	400	3551650001106	3551650001126		7,1	0,896	5,5	330	177	1,21408	300
	500	450	3551650001107	3551650001127		7,6	0,974	5,9	358	192	1,21316	300
	550	500	3551650001108	3551650001128		8,0	1,053	6,3	387	208	1,21224	400
	600	550	3551650001109	3551650001129		8,5	1,131	6,8	415	223	1,21133	400
1496	400	350	3551650001110	3551650001130		8,0	0,983	6,1	354	190	1,21411	300
	450	400	3551650001111	3551650001131		8,5	1,077	6,6	390	209	1,21208	400
	500	450	3551650001112	3551650001132		9,1	1,172	7,1	425	229	1,21005	400
	550	500	3551650001113	3551650001133		9,7	1,266	7,6	462	249	1,20803	400
	600	550	3551650001114	3551650001134		10,3	1,36	8,1	497	268	1,20600	500
1775	400	350	3551650001115	3551650001135		9,4	1,155	7,1	424	227	1,21897	400
	450	400	3551650001116	3551650001136		10,0	1,265	7,7	466	250	1,21668	400
	500	450	3551650001117	3551650001137		10,7	1,374	8,3	508	273	1,21439	500
	550	500	3551650001118	3551650001138		11,4	1,484	8,9	549	295	1,21210	500
	600	550	3551650001119	3551650001139		12,1	1,594	9,5	592	319	1,20981	600

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

BELEN CURVED



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm.
- Curved horizontal heating elements in painted mild steel ϕ 25 mm.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

ACCESSORIES

For Accessories range see Accessories chapter



KRISTAL VALVES
WHITE COLOUR

For information about Kristal valves, see radiators and towel rails catalogue



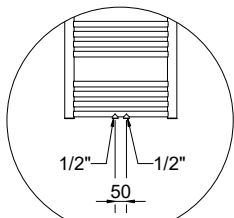
KIT 2 HOOKS
WHITE COLOUR

Art. nr. 5991990310171

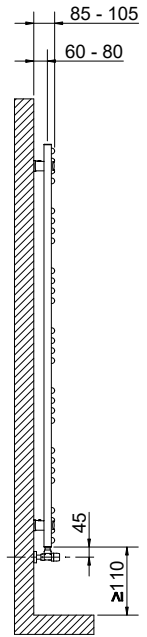
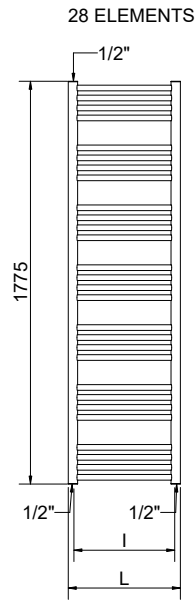
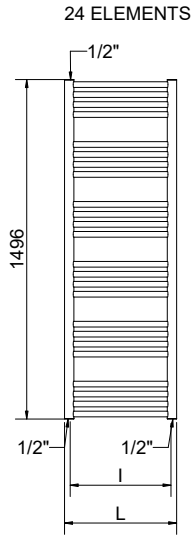
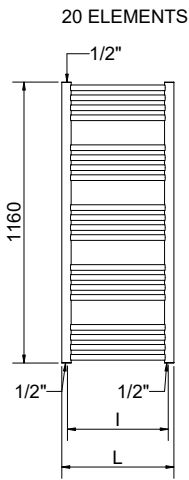
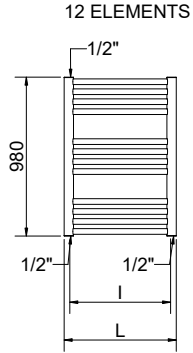
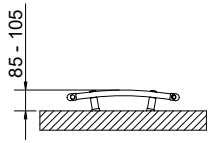


MY WAY®
SYSTEM

For information see RADIATORS and TOWEL RAILS catalogue



Detail of the 50 mm pipe centres version.



TOWEL RAILS

BELEN CURVED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Colour PURE WHITE R01-RAL 9010			Exponent [n]	Dual energy kit [Watt]		
				Art. nr.	Art. nr.	Dry weight [Kg]	Surface [m ²]	Water content [lt]			Thermal output [Watt]	
									$\Delta t=50^{\circ}\text{C}$	$\Delta t=30^{\circ}\text{C}$		
700	400	350	3551650000140	3551650000160	3551650000160	3,8	0,479	2,9	258	140	1,18410	-
	450	396	3551650000141	3551650000161	3551650000161	4,1	0,527	3,2	284	155	1,18348	300
	500	444	3551650000142	3551650000162	3551650000162	4,4	0,574	3,5	311	169	1,18286	300
	550	493	3551650000143	3551650000163	3551650000163	4,7	0,621	3,7	337	184	1,18223	300
	600	546	3551650000144	3551650000164	3551650000164	5,0	0,668	4,0	364	199	1,18161	300
1238	750	696	3551650000296	3551650000300	3551650000300	5,9	0,081	4,7	443	242	1,17974	400
	400	350	3551650000145	3551650000165	3551650000165	6,6	0,817	5,0	449	241	1,21499	400
	450	396	3551650000146	3551650000166	3551650000166	7,1	0,896	5,5	492	264	1,21408	500
	500	444	3551650000147	3551650000167	3551650000167	7,6	0,974	5,9	534	287	1,21316	500
	550	493	3551650000148	3551650000168	3551650000168	8,0	1,053	6,3	577	310	1,21224	600
1496	600	546	3551650000149	3551650000169	3551650000169	8,5	1,131	6,8	619	333	1,21133	600
	750	696	3551650000297	3551650000301	3551650000301	9,9	1,366	8,0	747	402	1,20858	700
	400	350	3551650000150	3551650000170	3551650000170	8,0	0,983	6,1	529	284	1,21411	500
	450	396	3551650000151	3551650000171	3551650000171	8,5	1,077	6,6	582	313	1,21208	600
	500	444	3551650000152	3551650000172	3551650000172	9,1	1,172	7,1	635	342	1,21005	600
1775	550	493	3551650000153	3551650000173	3551650000173	9,7	1,266	7,6	689	371	1,20803	700
	600	546	3551650000154	3551650000174	3551650000174	10,3	1,360	8,1	742	400	1,20600	700
	750	696	3551650000298	3551650000302	3551650000302	12,0	1,642	9,7	902	488	1,19991	900
	400	350	3551650000155	3551650000175	3551650000175	9,4	1,155	7,1	633	339	1,21897	600
	450	396	3551650000156	3551650000176	3551650000176	10,0	1,265	7,7	696	373	1,21668	700
	500	444	3551650000157	3551650000177	3551650000177	10,7	1,374	8,3	758	407	1,21439	700
	550	493	3551650000158	3551650000178	3551650000178	11,4	1,484	8,9	820	441	1,21210	700
	600	546	3551650000159	3551650000179	3551650000179	12,1	1,594	9,5	883	475	1,20981	900
	750	696	3551650000299	3551650000303	3551650000303	14,1	1,923	11,3	1070	578	1,20294	1000

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt /50)ⁿ**



AVAILABLE FUNCTIONS:

- Hot water**
- Electric** (see page 52)
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm
- Horizontal heating elements in painted mild steel \varnothing 22 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

ACCESSORIES

For Accessories range see Accessories chapter



KRISTAL VALVES
 WHITE COLOUR

For information about Kristal valves, see radiators and towel rails catalogue



KIT 2 HOOKS
 WHITE COLOUR

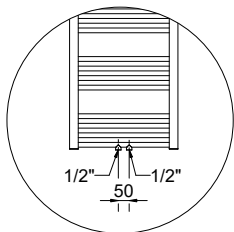
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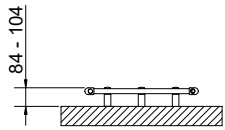
TOWEL BAR
 WHITE COLOUR
 Width= 370 mm

Art. nr. 5991990310170

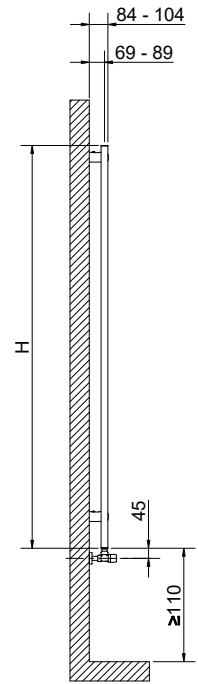
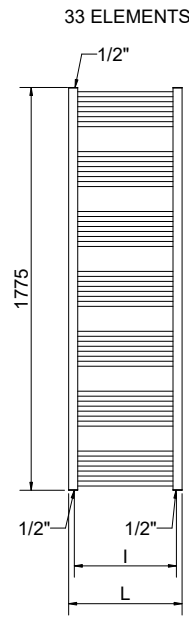
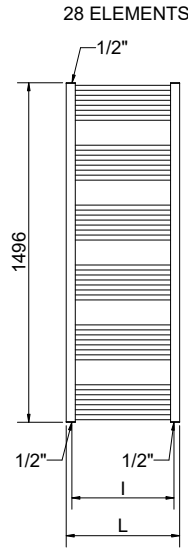
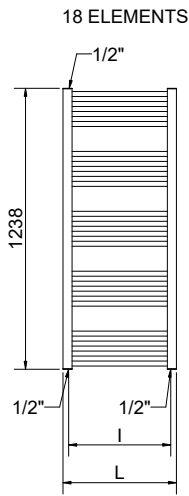
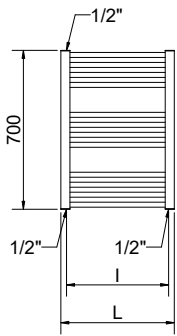
Applicable only for width \geq 450 mm



Detail of the 50 mm pipe centres version.



13 ELEMENTS



ROBERTA

Height [mm]	Width L [mm]	Pipe Centres l [mm]	STANDARD PIPE CENTRES	PIPE CENTRES 50 mm	Colour PURE WHITE R01-RAL 9010					Dual energy kit [Watt]	
			Art. nr.	Art. nr.	Dry weight [Kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]			Exponent [n]
								Δt=50°C	Δt=30°C		
700	400	350	3551650000200	3551650000220	3,6	0,443	2,5	253	136	1,20234	-
	450	400	3551650000201	3551650000221	3,9	0,485	2,7	277	150	1,19923	-
	500	450	3551650000202	3551650000222	4,1	0,526	2,9	301	163	1,19612	300
	550	500	3551650000203	3551650000223	4,4	0,568	3,1	324	176	1,19301	300
	600	550	3551650000204	3551650000224	4,6	0,609	3,3	348	189	1,18990	300
1238	750	700	3551650000304	3551650000308	5,4	0,733	3,9	419	229	1,18057	400
	400	350	3551650000205	3551650000225	6,2	0,757	4,4	430	231	1,21106	400
	450	400	3551650000206	3551650000226	6,7	0,826	4,7	472	254	1,21043	400
	500	450	3551650000207	3551650000227	7,1	0,895	5,0	514	277	1,20980	500
	550	500	3551650000208	3551650000228	7,5	0,964	5,4	556	299	1,20916	500
1496	600	550	3551650000209	3551650000229	7,9	1,033	5,7	598	322	1,20853	600
	750	700	3551650000305	3551650000309	9,2	1,241	6,7	724	390	1,20664	700
	400	350	3551650000210	3551650000230	7,5	0,911	5,3	553	297	1,21482	500
	450	400	3551650000211	3551650000231	8,0	0,994	5,7	582	313	1,21400	600
	500	450	3551650000212	3551650000232	8,5	1,077	6,0	631	339	1,21219	600
1775	550	500	3551650000213	3551650000233	9,0	1,160	6,4	679	365	1,21237	700
	600	550	3551650000214	3551650000234	9,5	1,243	6,8	728	391	1,21255	700
	750	700	3551650000306	3551650000310	11,0	1,491	8,0	875	471	1,20910	900
	400	350	3551650000215	3551650000235	8,8	1,070	6,2	633	339	1,21991	600
	450	400	3551650000216	3551650000236	9,4	1,167	6,7	689	370	1,21685	700
1775	500	450	3551650000217	3551650000237	10,0	1,264	7,1	745	400	1,21740	700
	550	500	3551650000218	3551650000238	10,6	1,360	7,6	802	430	1,21614	700
	600	550	3551650000219	3551650000239	11,2	1,457	8,0	858	461	1,21488	900
750	700	3551650000307	3551650000311	12,9	1,747	9,4	1027	553	1,21111	1000	

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

ROBERTA CHROMED



AVAILABLE FUNCTIONS:

- Hot water**
- Electric** (see page 54)
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in mild steel semi oval 30x40 mm
- Horizontal heating elements in mild steel \varnothing 22 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Finishing:

Chrome (PLATED IN ITALY)

ACCESSORIES

For Accessories range see Accessories chapter



CHROMED VALVE
KIT

For information about Kristal valves, see radiators and towel rails catalogue



KIT 2 HOOKS
CHROMED

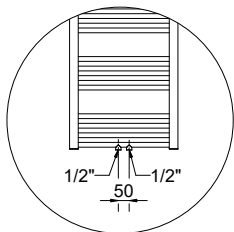
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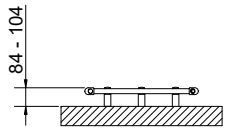
TOWEL BAR
CHROMED
Width= 370 mm

Art. nr. 5991990310302

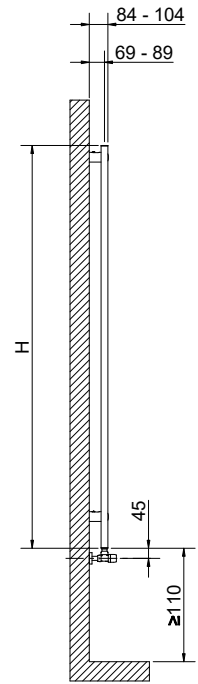
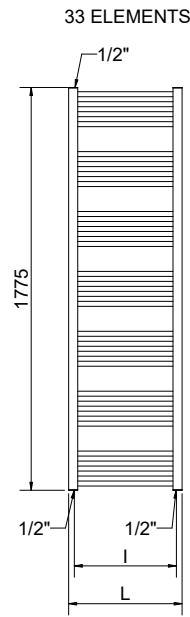
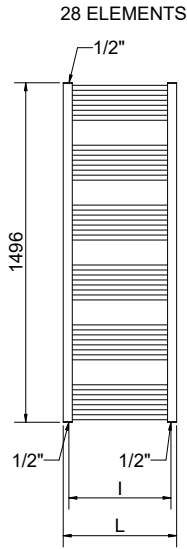
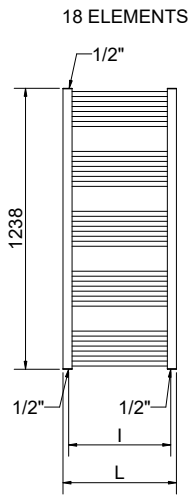
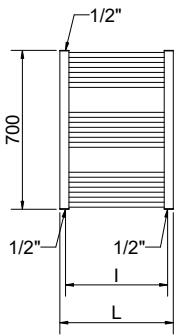
Applicable only for width \geq 450 mm



Detail of the 50 mm pipe centres version.



13 ELEMENTS



ROBERTA CHROMED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Dry weight [Kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	Dual energy kit [Watt]
				Art. nr.	Art. nr.				Δt=50°C	Δt=30°C		
700	400	350	3551650001300	3551650001320	3551650001320	3,6	0,443	2,5	169	92	1,1811	-
	450	400	3551650001301	3551650001321	3551650001321	3,9	0,485	2,7	186	101	1,1821	-
	500	450	3551650001302	3551650001322	3551650001322	4,1	0,526	2,9	202	110	1,1831	-
	550	500	3551650001303	3551650001323	3551650001323	4,4	0,568	3,1	219	119	1,1841	-
	600	550	3551650001304	3551650001324	3551650001324	4,6	0,609	3,3	235	128	1,1851	-
1238	400	350	3551650001305	3551650001325	3551650001325	6,2	0,757	4,4	288	153	1,2336	300
	450	400	3551650001306	3551650001326	3551650001326	6,7	0,826	4,7	315	167	1,2339	300
	500	450	3551650001307	3551650001327	3551650001327	7,1	0,895	5,0	342	182	1,2342	300
	550	500	3551650001308	3551650001328	3551650001328	7,5	0,964	5,4	369	196	1,2345	300
	600	550	3551650001309	3551650001329	3551650001329	7,9	1,033	5,7	396	210	1,2347	400
1496	400	350	3551650001310	3551650001330	3551650001330	7,5	0,911	5,3	353	187	1,2368	300
	450	400	3551650001311	3551650001331	3551650001331	8,0	0,994	5,7	385	204	1,2348	300
	500	450	3551650001312	3551650001332	3551650001332	8,5	1,077	6,0	418	222	1,2327	400
	550	500	3551650001313	3551650001333	3551650001333	9,0	1,16	6,4	450	239	1,2306	400
	600	550	3551650001314	3551650001334	3551650001334	9,5	1,243	6,8	483	257	1,2285	400
1775	400	350	3551650001315	3551650001335	3551650001335	8,8	1,07	6,2	433	231	1,2263	400
	450	400	3551650001316	3551650001336	3551650001336	9,4	1,167	6,7	471	251	1,2257	400
	500	450	3551650001317	3551650001337	3551650001337	10,0	1,264	7,1	509	272	1,2252	500
	550	500	3551650001318	3551650001338	3551650001338	10,6	1,36	7,6	546	292	1,2247	500
	600	550	3551650001319	3551650001339	3551650001339	11,2	1,457	8,0	584	312	1,2242	500

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

ROBERTA CURVED



HOT WATER HEATING RADIATORS,
CONVECTORS AND RADIANT MOUNTED
CEILING PANELS - NF 047



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm.
- Curved horizontal heating elements in painted mild steel \varnothing 22 mm.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

ACCESSORIES

For Accessories range see Accessories chapter



KRISTAL VALVES
WHITE COLOUR

For information about Kristal valves, see radiators and towel rails catalogue



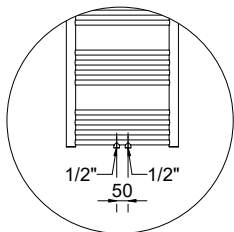
KIT 2 HOOKS
WHITE COLOUR

Art. nr. 5991990310171

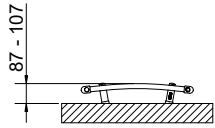


MY WAY®
SYSTEM

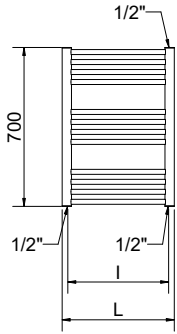
For information see RADIATORS and TOWEL RAILS catalogue



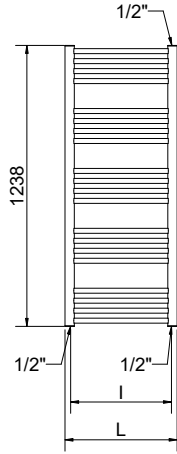
Detail of the 50 mm pipe centres version.



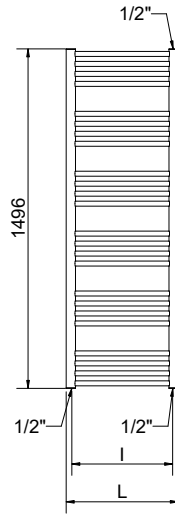
13 ELEMENTS



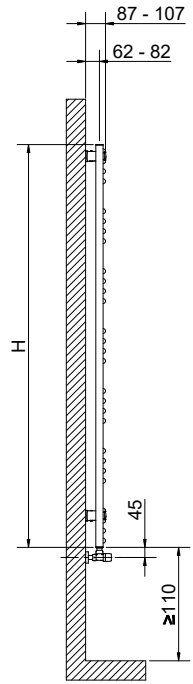
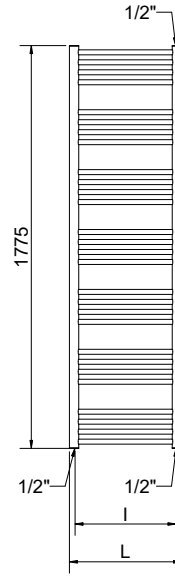
18 ELEMENTS



28 ELEMENTS



33 ELEMENTS



ROBERTA CURVED

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Colour PURE WHITE R01-RAL 9010			Exponent [n]	Dual energy kit [Watt]		
				Art. nr.	Art. nr.	Dry weight [Kg]	Surface [m ²]	Water content [lt]			Thermal output [Watt]	
									Δt=50°C	Δt=30°C		
700	400	350	3551650000240	3551650000260	3551650000260	3,6	0,443	2,5	253	136	1,20234	-
	450	396	3551650000241	3551650000261	3551650000261	3,9	0,485	2,7	277	150	1,19923	-
	500	444	3551650000242	3551650000262	3551650000262	4,1	0,526	2,9	301	163	1,19612	300
	550	493	3551650000243	3551650000263	3551650000263	4,4	0,568	3,1	324	176	1,19301	300
	600	546	3551650000244	3551650000264	3551650000264	4,6	0,609	3,3	348	189	1,18990	300
1238	750	696	3551650000312	3551650000316	3551650000316	5,4	0,733	3,9	419	229	1,18057	400
	400	350	3551650000245	3551650000265	3551650000265	6,2	0,757	4,4	430	231	1,21106	400
	450	396	3551650000246	3551650000266	3551650000266	6,7	0,826	4,7	472	254	1,21043	500
	500	444	3551650000247	3551650000267	3551650000267	7,1	0,895	5,0	514	277	1,20980	500
	550	493	3551650000248	3551650000268	3551650000268	7,5	0,964	5,4	556	299	1,20916	500
1496	600	546	3551650000249	3551650000269	3551650000269	7,9	1,033	5,7	598	322	1,20853	600
	750	696	3551650000313	3551650000317	3551650000317	9,2	1,241	6,7	724	390	1,20664	700
	400	350	3551650000250	3551650000270	3551650000270	7,5	0,911	5,3	553	297	1,21482	600
	450	396	3551650000251	3551650000271	3551650000271	8,0	0,994	5,7	582	313	1,21400	600
	500	444	3551650000252	3551650000272	3551650000272	8,5	1,077	6,0	631	339	1,21219	600
1775	550	493	3551650000253	3551650000273	3551650000273	9,0	1,160	6,4	679	365	1,21237	700
	600	546	3551650000254	3551650000274	3551650000274	9,5	1,243	6,8	728	391	1,21255	700
	750	696	3551650000314	3551650000318	3551650000318	11,0	1,491	8,0	875	471	1,20910	900
	400	350	3551650000255	3551650000275	3551650000275	8,8	1,070	6,2	633	339	1,21991	600
	450	396	3551650000256	3551650000276	3551650000276	9,4	1,167	6,7	689	370	1,21685	700
1775	500	444	3551650000257	3551650000277	3551650000277	10,0	1,264	7,1	745	400	1,21740	700
	550	493	3551650000258	3551650000278	3551650000278	10,6	1,360	7,6	802	430	1,21614	700
	600	546	3551650000259	3551650000279	3551650000279	11,2	1,457	8,0	858	461	1,21488	900
	750	696	3551650000315	3551650000319	3551650000319	12,9	1,747	9,4	1027	553	1,21111	1000

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

ROBERTA SQUARE



NEW



AVAILABLE FUNCTIONS:

- Hot water**
- Dual energy** (for dual energy kit see Cordivari Radiators and Towel Rails catalogue)

Material:

- Vertical collectors in painted mild steel 30x30 mm
- Horizontal heating elements in painted mild steel \varnothing 22 mm

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 Class 1-2-3-4 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, Airvent, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.

Max pressure: 8 bar

Functioning: hot water

Max temperature: 110° C

Connections: n° 2 x 1/2" G - 1 x 1/2" G

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

ACCESSORIES

For Accessories range see Accessories chapter



KRISTAL VALVES
WHITE COLOUR

For information about Kristal valves, see radiators and towel rails catalogue



KIT 2 HOOKS
WHITE COLOUR

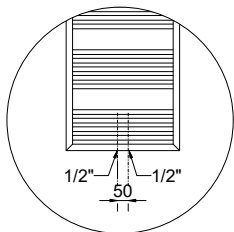
Art. nr. 5991990310171



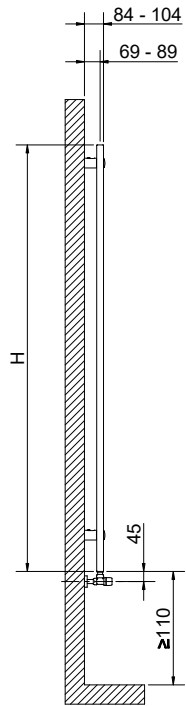
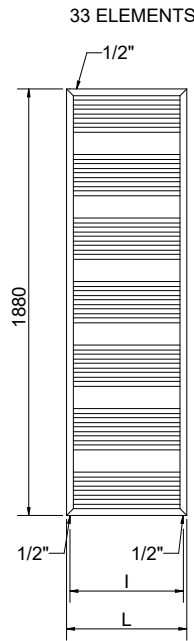
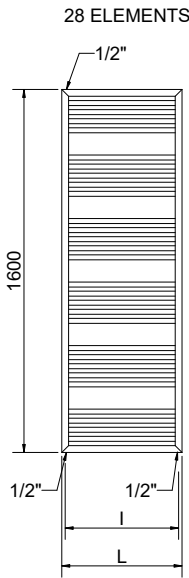
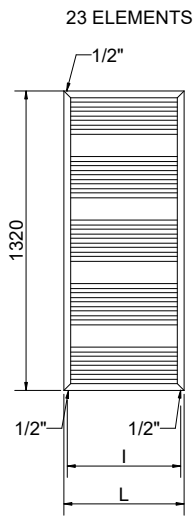
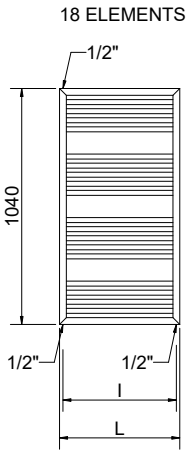
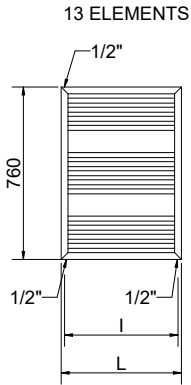
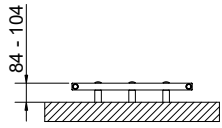
TOWEL BAR
WHITE COLOUR
Width= 370 mm

Art. nr. 5991990310170

Applicable only for width \geq 450 mm



Detail of the 50 mm pipe centres version.



TOWEL RAILS

ROBERTA SQUARE

Height [mm]	Width L [mm]	Pipe Centres l [mm]	Art. nr.	PIPE CENTRES 50 mm		Colour PURE WHITE R01-RAL 9010					Dual energy kit [Watt]
				Art. nr.	Dry weight [Kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	
								$\Delta t=50^{\circ}\text{C}$	$\Delta t=30^{\circ}\text{C}$		
760	480	450	3551650000320	3551650000332	5,5	0,66	3,5	357	192	1,2203	300
	530	500	3551650000321	3551650000333	5,9	0,71	3,8	388	208	1,2164	400
	580	550	3551650000322	3551650000334	6,3	0,78	4,1	418	225	1,2130	400
1040	480	450	3551650000323	3551650000335	6,4	0,81	4,2	479	257	1,2216	500
	530	500	3551650000324	3551650000336	6,9	0,9	4,6	521	280	1,2172	500
	580	550	3551650000325	3551650000337	7,4	0,96	4,9	562	302	1,2135	500
1320	480	450	3551650000326	3551650000338	8,7	1,1	5,7	599	321	1,2229	600
	530	500	3551650000327	3551650000339	9,4	1,2	6,2	651	349	1,2180	600
	580	550	3551650000328	3551650000340	9,9	1,3	6,6	702	378	1,2139	700
1600	480	450	3551650000368	3551650000371	10,4	1,3	6,8	717	384	1,2242	700
	530	500	3551650000369	3551650000372	11	1,4	7,3	779	418	1,2189	700
	580	550	3551650000370	3551650000373	11,8	1,5	7,8	840	452	1,2144	700
1880	480	450	3551650000329	3551650000341	12	1,5	7,9	834	446	1,2255	700
	530	500	3551650000330	3551650000342	12,9	1,6	8,5	905	486	1,2197	900
	580	550	3551650000331	3551650000343	13,6	1,7	9,1	977	525	1,2148	1000

For output at different Δt than 50°C , please refer to the following formula: $\text{desired output} = \text{output at } \Delta t 50^{\circ}\text{C} \times (\text{desired } \Delta t/50)^{1/n}$



ELECTRIC AND BLOWER



ELECTRIC





ELECTRICAL ONLY:

- With **digital** thermostat

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm.
- Horizontal heating elements in painted mild steel \varnothing 22 mm.
- Heat transfer fluid.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Electrical resistors: Class 1

Minimum ingress protection: IP 44

Wire length: 1200 mm with Schuko plug

Power supply: 230Vac 50/60Hz

Seasonal energy efficiency η_s : 38% (with ECO digital thermostat)

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

Electrical resistors:

- White digital thermostat - Class 1- IP44.
- 6 functioning modes: comfort, night, antifreeze, chrono, 2H timer and standby

ACCESSORIES

For Accessories range see Accessories chapter



KIT 2 HOOKS
WHITE COLOUR

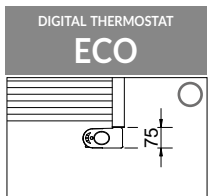
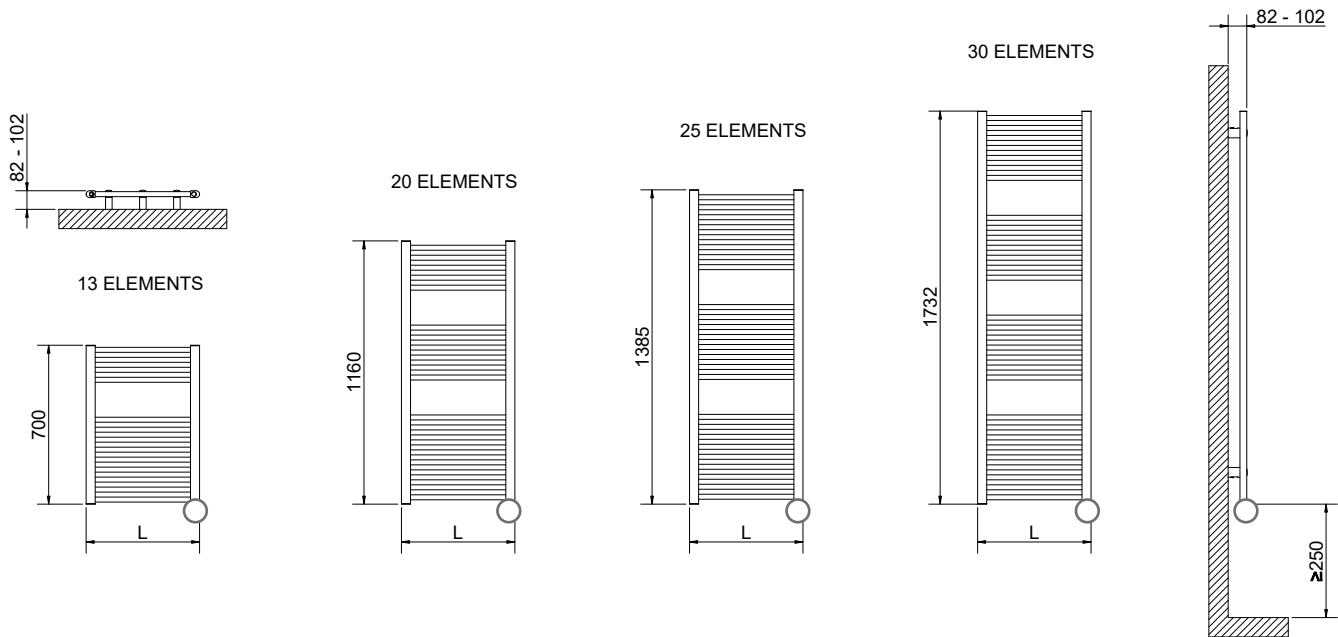
Art. nr. 5991990310171



TOWEL BAR
WHITE COLOUR
Width= 370 mm

Art. nr. 5991990310170

Applicable only for width \geq 450 mm



The general footprint has to be calculated considering the thermostat height

LISA® 22 ELECTRIC - WITH ECO DIGITAL THERMOSTAT

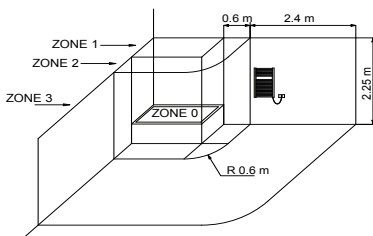
Colour PURE WHITE R01-RAL 9010

Height [mm]	Width L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
700	400	3581646100050	300	7,4
	500	3581646100051	400	8,4
1160	400	3581646100052	400	11,2
	450	3581646100053	500	11,9
1385	400	3581646100055	500	13,4
	500	3581646100056	700	15,3
1732	500	3581646100057	900	18,4



All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%. Each of the ErP electric radiator is equipped with at least electronic temperature control, window opening detection and weekly programmer.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2. In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

LISA 22 BLACK

ELECTRIC



NEW



ELECTRICAL ONLY:

With **digital** thermostat

Material:

- Vertical collectors in mild steel semi oval 30x40 mm.
- Horizontal heating elements in painted mild steel \varnothing 22 mm.
- Heat transfer fluid.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



Electrical resistors: Class 1

Minimum ingress protection: IP 44

Wire lenght: 1200 mm with Schuko plug

Power supply: 230Vac 50/60Hz

Seasonal energy efficiency η_s : 38% (with ECO digital thermostat)

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Colour:

T01 matt black

Electrical resistors:

- Black digital thermostat - Class 1 - IP44.
- 6 functioning modes: comfort, night, antifreeze, chrono, 2H timer and standby

ACCESSORIES

For Accessories range see Accessories chapter



KIT 2 HOOKS
CHROMED

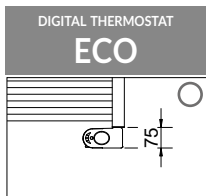
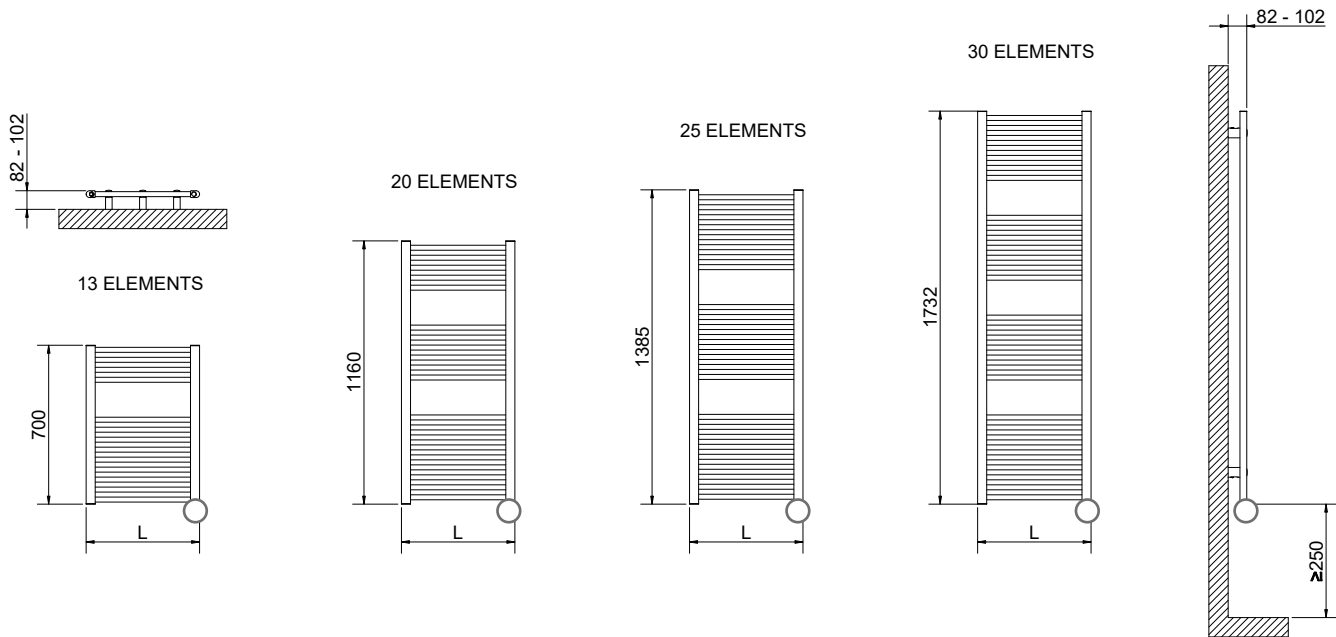
Art. nr. 5991990310303



TOWEL BAR
CHROMED
Width= 370 mm

Art. nr. 5991990310302

Applicable only for width \geq 450 mm



The general footprint has to be calculated considering the thermostat height

LISA 22 BLACK ELECTRIC - WITH ECO DIGITAL THERMOSTAT

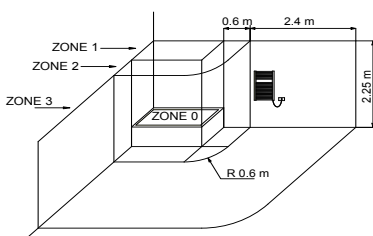
Colour T01 MATT BLACK

Height [mm]	Width L [mm]	Art. nr.	Output [Watt]	Weight [kg]
700	400	3581646100150	300	7,4
	500	3581646100151	400	8,4
1160	400	3581646100152	400	11,2
	450	3581646100153	500	11,9
1385	500	3581646100154	600	12,7
	400	3581646100155	500	13,4
1732	500	3581646100156	700	15,3
	500	3581646100157	900	18,4



All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%. Each of the ErP electric radiator is equipped with at least electronic temperature control, window opening detection and weekly programmer.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.

In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

LISA® 22

CHROMED ELECTRIC



ELECTRICAL ONLY:

- With **manual on/off**
- With **digital** thermostat

Material:

- Vertical collectors in mild steel semi oval 30x40 mm.
- Horizontal heating elements in painted mild steel \varnothing 22 mm.
- Heat transfer fluid.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



ACCESSORIES

For Accessories range see Accessories chapter



KIT 2 HOOKS
CHROMED

Art. nr. 5991990310303



TOWEL BAR
CHROMED
Width= 370 mm

Art. nr. 5991990310302

Applicable only for width \geq 450 mm

Electrical resistors: Class 1

Minimum ingress protection: IP 44 (ECO digital thermostat)
IP 54 (manual on/off)

Wire lenght: 1200 mm with Schuko plug (ECO digital thermostat)
1100 mm with Schuko plug (manual on/off)

Power supply: 230Vac 50/60Hz

Seasonal energy efficiency η_s : 38% (with ECO digital thermostat)

Packing:

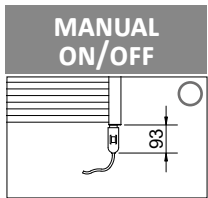
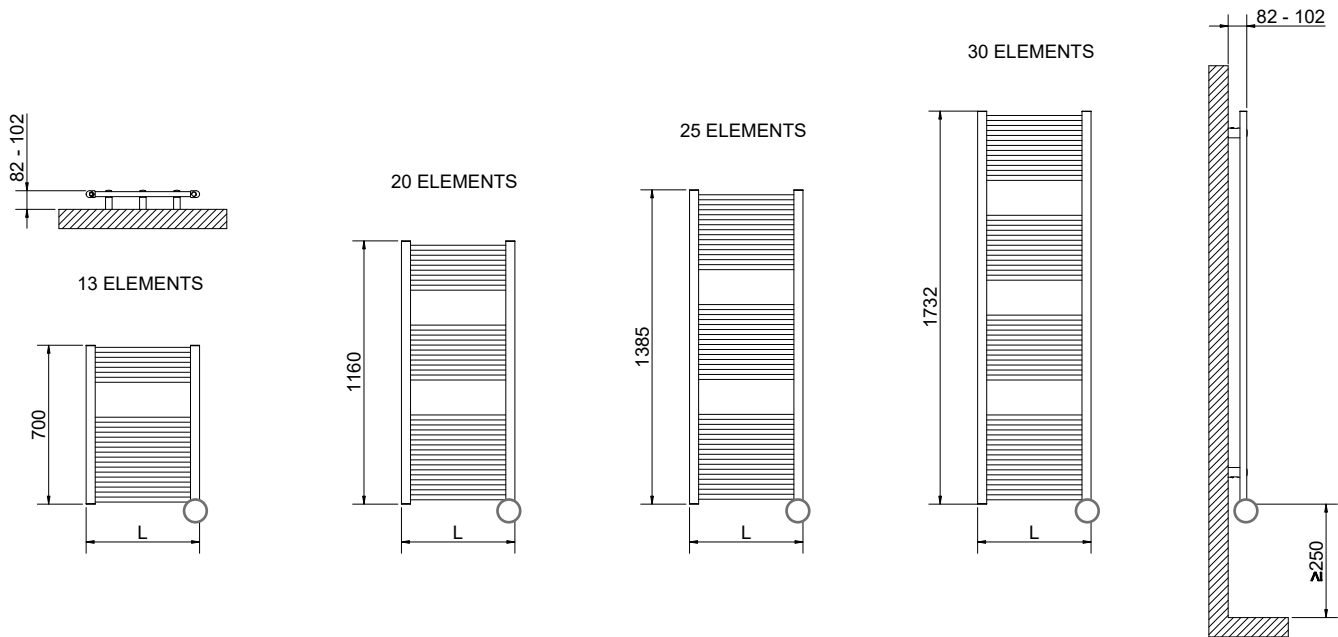
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Finishing:

Chrome (PLATED IN ITALY)

Electrical resistors:

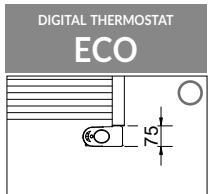
- Chromed digital thermostat - Class 1- IP44.
- 6 Functioning modes: comfort, night, antifreeze, chrono, 2H timer and standby
- Manual on/off manuale on/off (H 700 x L 400) - Class 1- IP54.



The general footprint has to be calculated considering the thermostat height

TOWEL RAILS LISA® 22 CHROMED ELECTRIC - WITH MANUAL ON/OFF

Height [mm]	Width L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
700	400	3581646110115	150	7,4



The general footprint has to be calculated considering the thermostat height

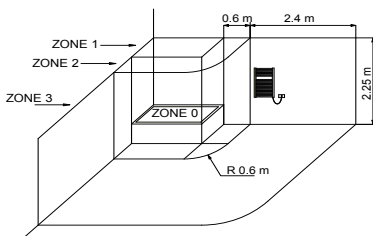
LISA® 22 CHROMED ELECTRIC - WITH ECO DIGITAL THERMOSTAT

Height [mm]	Width L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
1160	400	3581646110116	300	11,2
	450	3581646110117	300	11,9
	500	3581646110118	400	12,7
1385	400	3581646110119	400	13,4
	500	3581646110120	500	15,3
	550	3581646110121	500	18,4
1732	500	3581646110122	600	18



All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%. Each of the ErP electric radiator is equipped with at least electronic temperature control, window opening detection and weekly programmer.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.

In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.



ELECTRICAL ONLY:

- With **digital** thermostat

Material:

- Vertical collectors in painted mild steel semi oval 30x40 mm.
- Horizontal heating elements in painted mild steel \varnothing 22 mm.
- Heat transfer fluid.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



ACCESSORIES

For Accessories range see Accessories chapter



KIT 2 HOOKS
WHITE COLOUR

Art. nr. 5991990310171



TOWEL BAR
WHITE COLOUR
Width= 370 mm

Art. nr. 5991990310170

Applicable only for width \geq 450 mm

Electrical resistors: Class 1

Minimum ingress protection: IP 44

Wire lenght: 1200 mm with Schuko plug

Power supply: 230Vac 50/60Hz

Seasonal energy efficiency η_s : 38% (with ECO digital thermostat)

Packing:

Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Painting process:

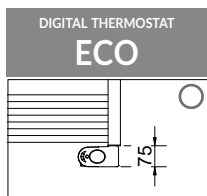
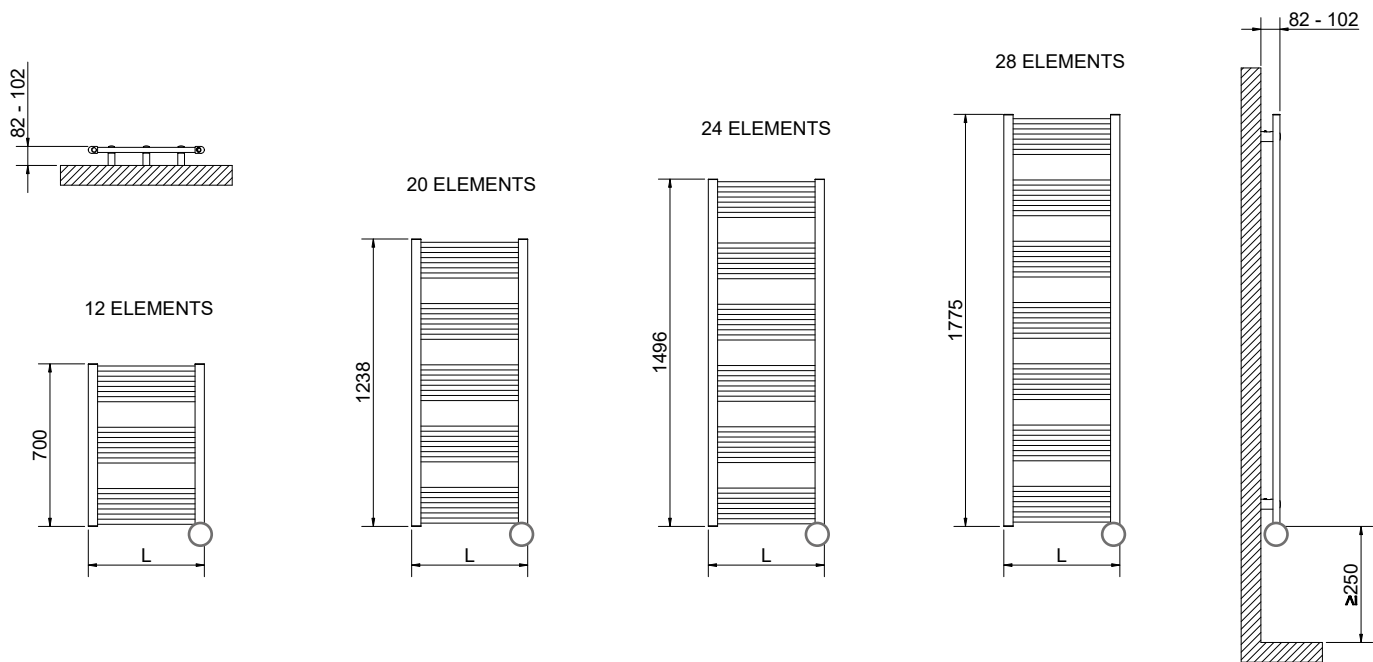
Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colour:

Pure white RAL 9010

Electrical resistors:

- White digital thermostat - Class 1- IP44.
- 6 Functioning modes: comfort, night, antifreeze, chrono, 2H timer and standby



The general footprint has to be calculated considering the thermostat height

ROBERTA ELECTRIC - WITH ECO DIGITAL THERMOSTAT

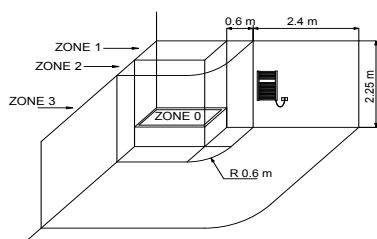
Colour PURE WHITE R01-RAL 9010

Height [mm]	Width L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
700	400	3581656100010	300	6
	500	3581656100011	400	8
1238	400	3581656100012	500	11
	450	3581656100013	600	12
	500	3581656100014	600	13
1496	400	3581656100015	700	14
	500	3581656100016	700	15
1775	500	3581656100017	900	18



All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%. Each of the ErP electric radiator is equipped with at least electronic temperature control, window opening detection and weekly programmer.

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.

In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

ROBERTA

CHROMED ELECTRIC



ELECTRICAL ONLY:

- With **manual on/off**
- With **digital** thermostat

Material:

- Vertical collectors in mild steel semi oval 30x40 mm.
- Horizontal heating elements in painted mild steel \varnothing 22 mm.
- Heat transfer fluid.

Fixing kit:

The fixing kit is in compliance with norm VDI 6036 that guarantees maximum resistance, security and stability of the towel rail. Each kit includes brackets, hexagonal tool, plugs and screws suitable for use on either compact or hollow brick walls. For a correct assembly always refer to the user manual supplied.



ACCESSORIES

For Accessories range see Accessories chapter



KIT 2 HOOKS
CHROMED

Art. nr. 5991990310303



TOWEL BAR
CHROMED
Width= 370 mm

Art. nr. 5991990310302

Applicable only for width \geq 450 mm

Electrical resistors: Class 1

Minimum ingress protection: IP 44 (ECO digital thermostat)
IP 54 (manual on/off)

Wire lenght: 1200 mm with Schuko plug (ECO digital thermostat)
1100 mm with Schuko plug (manual on/off)

Power supply: 230Vac 50/60Hz

Seasonal energy efficiency η_s : 38% (with ECO digital thermostat)

Packing:

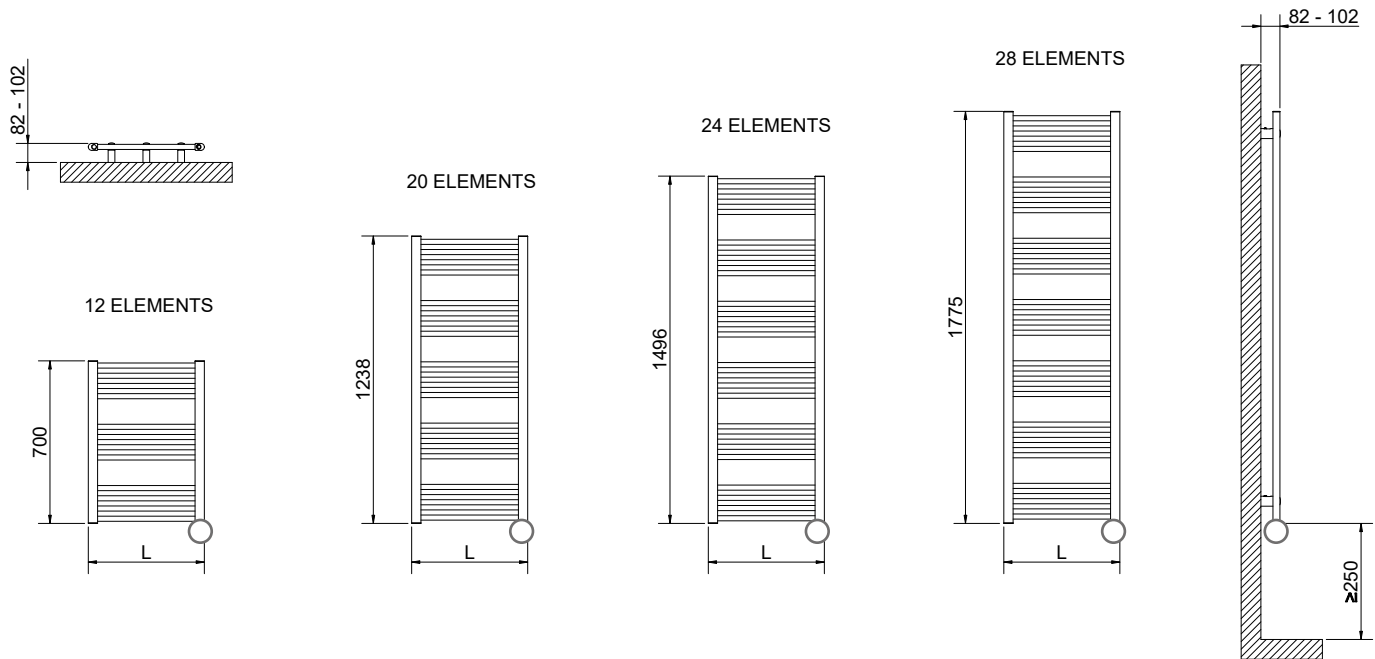
Carton angular and profiles protected by a recyclable film in polyethylene. User notice included.

Finishing:

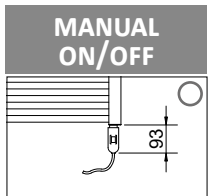
Chrome (PLATED IN ITALY)

Electrical resistors:

- Chromed digital thermostat- Class 1- IP44.
- 6 Functioning modes: comfort, night, antifreeze, chrono, 2H timer and standby
- Manual on/off manuale on/off (H 700 x L 400 e H 700 x L 500) - Class 1- IP54.



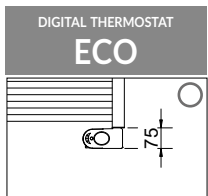
ELECTRIC



The general footprint has to be calculated considering the thermostat height

TOWEL RAILS ROBERTA CHROMED ELECTRIC - WITH MANUAL ON/OFF

Height [mm]	Width L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
700	400	3581656110000	150	6
	500	3581656110001	150	8



The general footprint has to be calculated considering the thermostat height

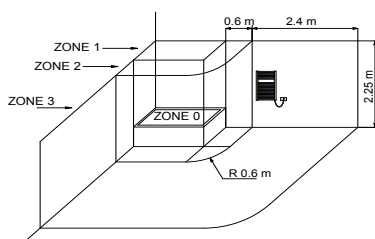
ROBERTA CHROMED ELECTRIC - WITH ECO DIGITAL THERMOSTAT

Height [mm]	Width L [mm]	Art. nr.	Output [Watt]	Weight [Kg]
1238	400	3581656110002	300	11
	450	3581656110003	400	12
	500	3581656110004	400	13
1496	400	3581656110005	400	14
	500	3581656110006	500	15
1775	500	3581656110007	600	18



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HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2. In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.

LISA 2

BLOWER



AVAILABLE FUNCTIONING:

- Electric**
- With **Blower** electric module for the ventilated function

Material:

- Vertical collectors in painted mild steel semi oval 30 x 40 mm.
- Horizontal heating elements in painted mild steel \varnothing 22 mm.
- Heat transfer fluid.

Electric module for ventilated function:

Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving. Power 1000 Watt - 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C.

Fixing kit:

Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

The kit is certified from TÜV in compliance with VDI 6036-class 4.

Electrical resistors: CLASSE 2

Minimum ingress protection: IP 24

Wire lenght: 800 mm with Schuko plug

Seasonal energy efficiency η_s : 40%

Packing:

The radiator is packed in a recycled cardboard box. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colours:

Standard colour pure white RAL 9010

Accessories:

For the complete list, please refer to the accessories chapter.



ACCESSORIES



WIRELESS REMOTE CONTROL
Width= 370 mm

Art. nr. 5150990000011
Remote control of "BLOWER" ventilated functioning



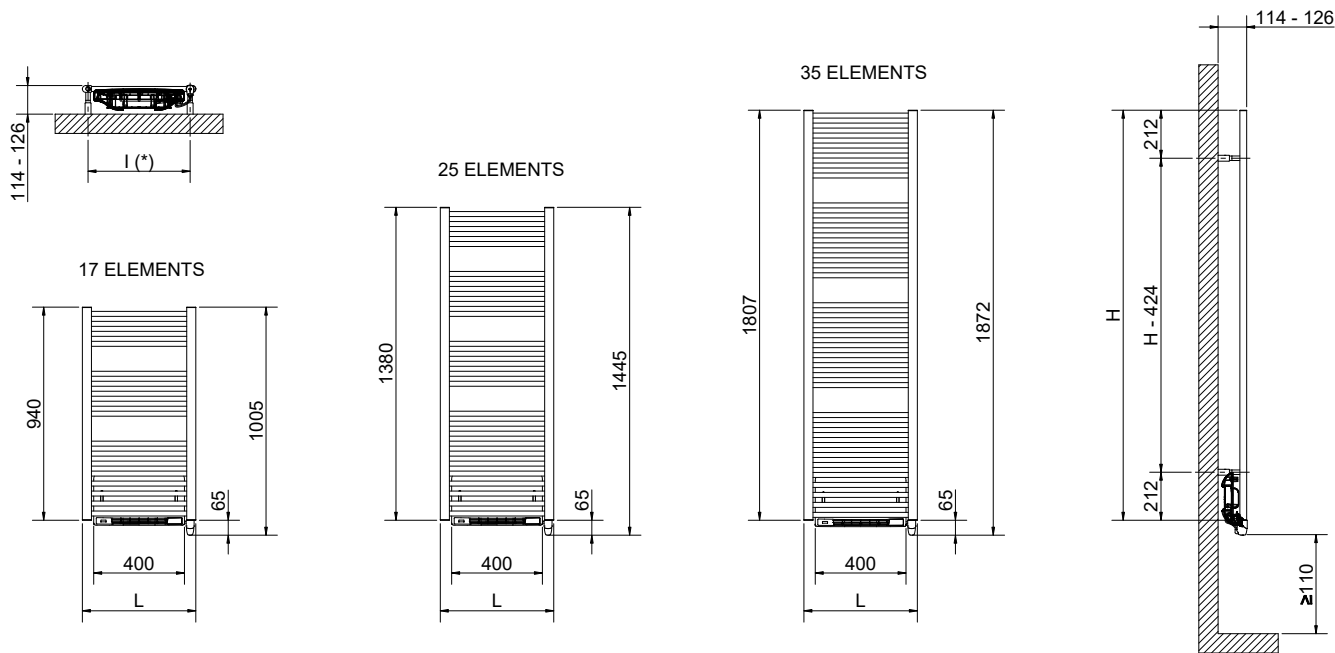
KIT 2 HOOKS
WHITE COLOUR

Art. nr. 5991990310171



TOWEL BAR
WHITE COLOUR
Width= 370 mm

Art. nr. 5991990310170
Applicable only for width \geq 450 mm



(*) Pipe center (l) measure of the fixing kit

LISA[®] 2 BLOWER

Colour PURE WHITE R01-RAL 9010

Height [mm]	Width L [mm]	Art. nr.	Output [Watt]	Output BLOWER [Watt]	Weight [Kg]
940	500	3581586100153	500	1000	8,4
1380	500	3581586100154	750	1000	11,0
1807	500	3581586100155	1000	1000	16,1

ELECTRIC MODULE FOR VENTILATION

The Cordivari thermo-ventilation Blower module offers advanced features for maximum comfort without wasting energy with the aim of simplifying the user's life



DESIGN, ERGONOMICS AND PRACTICALITY

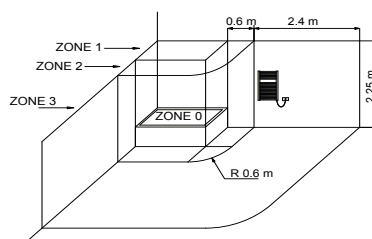
- Ultra-discreet design with excellent ergonomic settings
- Remote control via radio remote control (optional)
- Energy consumption indicator and detector
- Weekly and daily programming
- Child protection
- Dust filter removable at any time from both sides of the radiator, for maximum ease and effectiveness of sanitization.

COMFORT & SMART LIVING

- High precision "intelligent" electronic PID regulation for a stable and accurate bath temperature all year round

- Boost mode, adjustable up to 90 minutes, in 10-minute intervals, to speed up bathroom heating and super comfort (with automatic boost) for instant additional heating.
- Adaptive intelligent self-learning function of the user's rhythm and lifestyle: learning is continuous thanks to an intelligent algorithm that analyzes information in real time to optimize and adapt the program to the following weeks.
- Open window detector
- Energy saving priority with presence / absence detector
- Dual function optimization with priority on comfort or energy saving depending on the priority chosen by the user. The device calculates and optimizes the programming for each heating period, set on Comfort or Economy (Eco) based on the choice made by the user.
- Active memory of settings in case the mains power fails for up to 16 hours

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.

In particular the electric switch and control elements must be mandatorily located in zone 3, in order that no electrical control center is accessible to a anyone using the shower or bath.



All Cordivari electric radiators are in line with the new European regulation UE 2015/1188. The new regulation imposes a seasonal energy efficiency of electrical appliances for ambient heating with a nominal thermal output over 250 W and not less than 38%. Each of the ErP electric radiator is equipped with at least electronic temperature control, window opening detection and weekly programmer.

LISA 2

BLOWER DUAL ENERGY



NEW



AVAILABLE FUNCTIONING:

- Hot water
- With **Blower** electric module for the ventilated function
- With **Blower** dual energy

Material:

- Vertical collectors in painted mild steel semi oval 30 x 40 mm.
- Horizontal heating elements in painted mild steel \varnothing 22 mm.

Electric module for ventilated function:

Fan heater with integrated PID electronic controller; with presence / absence detector, Open window detector; self-learning and self-programming function optimized with priority on comfort or energy saving. Power 1000 Watt- 230 V 50 Hz • On / Off Switch • Temperature settings: +10°C to + 30°C.

Fixing kit:

Brackets, hexagonal tool, plugs and screws for mounting suitable for use on compact or hollow brick walls, user notice.

The kit is certified from TÜV in compliance with VDI 6036-class 4.

Electrical resistors: CLASSE 2

Minimum ingress protection: IP 24

Wire lenght: 800 mm with Schuko plug

Seasonal energy efficiency η_s : 40%

Packing:

The radiator is packed in a recycled cardboard box. User notice included.

Painting process:

Painted with ecological epoxy powders. (Certificate DIN 55900-1,-2).

Colours:

Standard colour pure white RAL 9010

Accessories:

For the complete list, please refer to the accessories chapter.



ACCESSORIES



WIRELESS REMOTE CONTROL
Width= 370 mm

Art. nr. 5150990000011
Remote control of "BLOWER" ventilated functioning



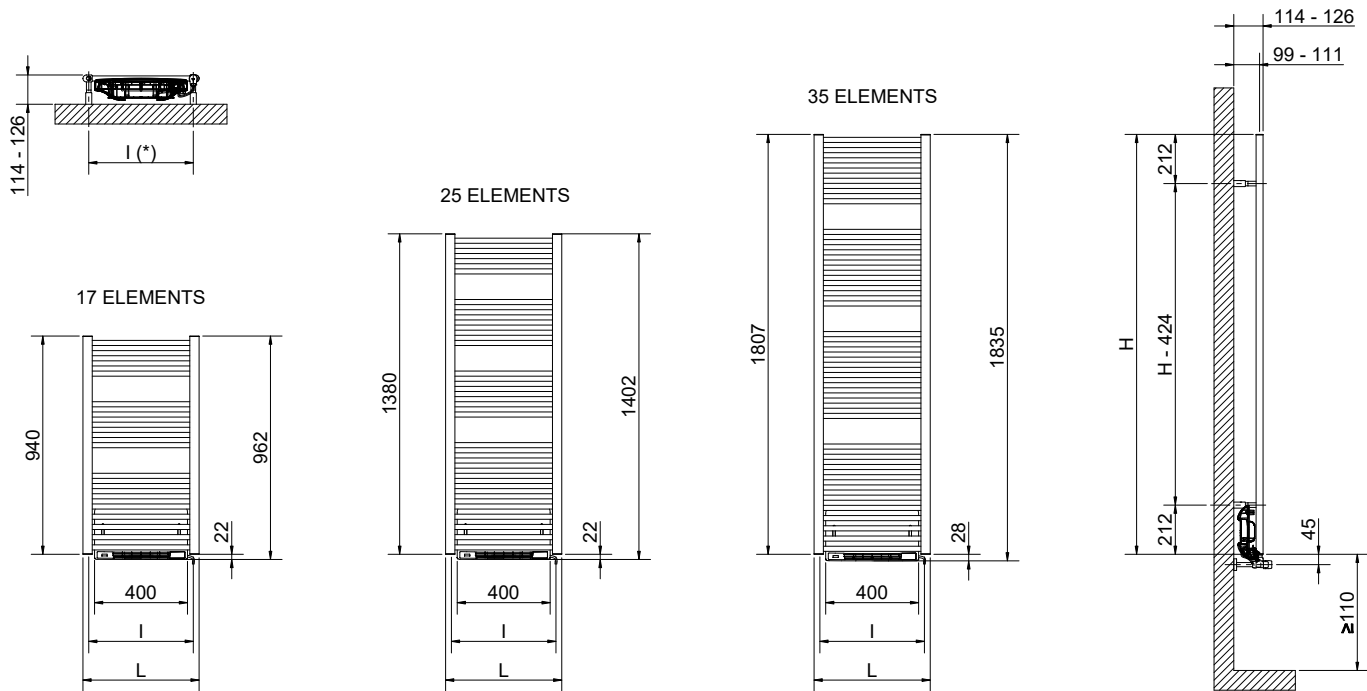
KIT 2 HOOKS
WHITE COLOUR

Art. nr. 5991990310171



TOWEL BAR
WHITE COLOUR
Width= 370 mm

Art. nr. 5991990310170
Applicable only for width \geq 450 mm



(*) Pipe center (I) measure of the fixing kit

LISA® 2 BLOWER DUAL ENERGY

Colour PURE WHITE R01-RAL 9010

Height [mm]	Width L [mm]	Pipe Centres I [mm]	Art. nr.	Dry weight [Kg]	Surface [m ²]	Water content [lt]	Thermal output [Watt]		Exponent [n]	Output BLOWER [Watt]
							Δt=50°C	Δt=30°C		
940	500	450	3581586100163	6,4	0,73	3,9	428	228	1,2351	1000
1380	500	450	3581586100164	9,4	1,12	5,8	630	333	1,2506	1000
1807	500	450	3581586100165	12,8	1,48	7,9	901	471	1,2681	1000

For output at different Δt than 50°C, please refer to the following formula: **desired output = output at Δt 50°C x (desired Δt/50)ⁿ**

ELECTRIC MODULE FOR VENTILATION

The Cordivari thermo-ventilation Blower module offers advanced features for maximum comfort without wasting energy with the aim of simplifying the user's life



DESIGN, ERGONOMICS AND PRACTICALITY

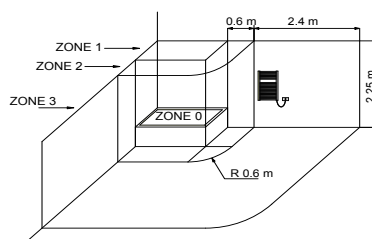
- Ultra-discreet design with excellent ergonomic settings
- Remote control via radio remote control (optional)
- Energy consumption indicator and detector
- Weekly and daily programming
- Child protection
- Dust filter removable at any time from both sides of the radiator, for maximum ease and effectiveness of sanitization.

COMFORT & SMART LIVING

- High precision "intelligent" electronic PID regulation for a stable and accurate bath temperature all year round

- Boost mode, adjustable up to 90 minutes, in 10-minute intervals, to speed up bathroom heating and super comfort (with automatic boost) for instant additional heating.
- Adaptive intelligent self-learning function of the user's rhythm and lifestyle: learning is continuous thanks to an intelligent algorithm that analyzes information in real time to optimize and adapt the program to the following weeks.
- Open window detector
- Energy saving priority with presence / absence detector
- Dual function optimization with priority on comfort or energy saving depending on the priority chosen by the user. The device calculates and optimizes the programming for each heating period, set on Comfort or Economy (Eco) based on the choice made by the user.
- Active memory of settings in case the mains power fails for up to 16 hours

HOW TO PLACE ELECTRIC RADIATORS



The national rules on installing electrical equipment in the bathroom must be scrupulously respected. The electric radiators must be always installed outside zone 1 and 2.

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FANCOIL UNITS

FANCOIL UNITS VNT

HEATING AND COOLING TERMINALS



Material:

Galvanized and painted metal structure, complete with insulation and aluminum alloy grids

Fixing kit:

The kits include plugs and screws for fixing, suitable for use on compact walls or hollow bricks. For a correct installation always refer to mounting instructions supplied with the device.

Packing:

The Fancoil is protected with a recyclable cardboard box. Instructions for use and maintenance provided with the product.

Available colours:

White - F38 Sandstone - F31 Corten brown - F33 Emerald sand - F04 Grigio grafite - F23 Sparkling grey - F25 Quartz dust

Functionality:

DC Inverter Motor, Heating and cooling operation

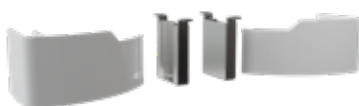
Electrical resistors:

Class 1

Touch screen displays:

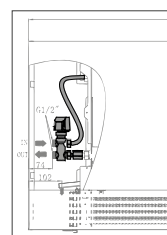
- Heating mode - Cooling mode - Auto mode - Dehumidification mode - Fan mode - Solenoid valve 1 and 2 - Timer-Night mode - Display lock function - Air inlet temperature and set temperature

ACCESSORIES



VNT SUPPORT FEET

Floor support system for VNT Fancoil units, complete with support feet and metal cover



3 WAY BYPASS VALVE KIT

Three-way by-pass valve with 4 1/2 "connections. For specifications and details see the Accessories section.



REMOTE CONTROL

Remote control of fancoil units functioning

Description	Art. nr.
FEET KIT FOR VNT FAN COIL R01 RAL 9010	5102000000734
FEET KIT FOR VNT FAN COIL F23 SPARKLING GREY	5102000030587
FEET KIT FOR VNT FAN COIL F38 SANDSTONE	5102000030676
FEET KIT FOR VNT FAN COIL F31 CORTEN BROWN	5102000030746
FEET KIT FOR VNT FAN COIL F33 EMERALD SAND	5102000030753
FEET KIT FOR VNT FAN COIL F04 GRIGIO GRAFITE	5102000030751
FEET KIT FOR VNT FAN COIL F25 QUARTZ DUST	5102000030752

Art. nr.	5150990000013
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Art. nr.	5150990000014
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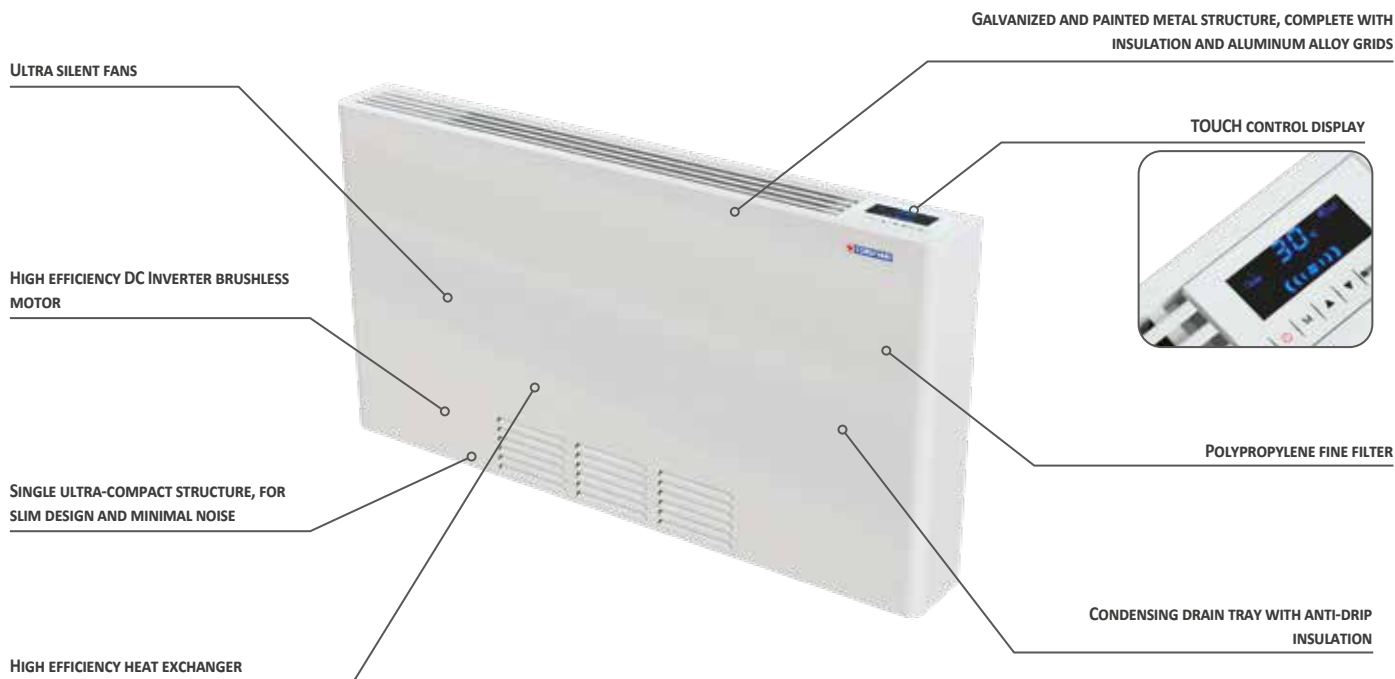


VNT FILTER REPLACEMENT KIT

see the Accessories section page 87

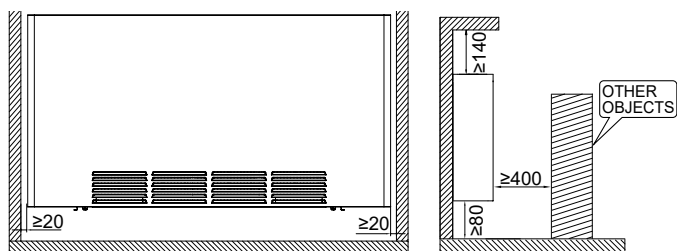
FANCOIL UNITS VNT HEATING AND COOLING TERMINALS

SPECIFICATIONS



FANCOIL UNITS

POSITIONING OF THE UNIT ON THE WALL

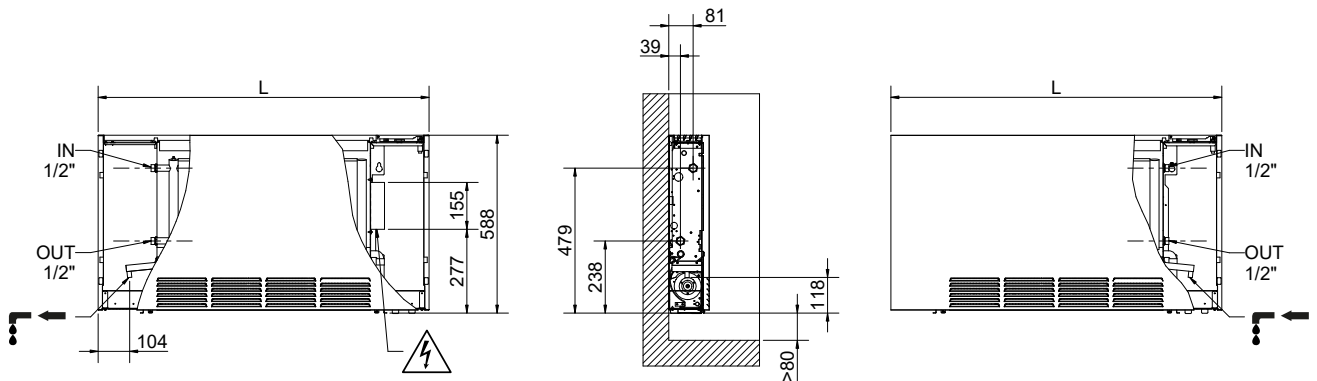


DISPLAY TOUCH

MAIN FUNCTIONS

- Heating mode
- Cooling mode
- Auto mode
- Dehumidification mode
- Fan mode
- Solenoid valve 1 and 2
- Timer
- Display lock function
- Air inlet temperature and set temperature

FANCOIL UNITS VNT HEATING AND COOLING TERMINALS



LEFT CONNECTIONS

RIGHT CONNECTIONS

(AVAILABLE ONLY FOR MODELS WHITE)

TECHNICAL FEATURES

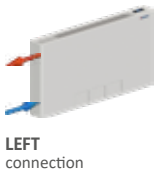


Model	VNT 2000		VNT 4000		VNT 6000		VNT 8000	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Ventilation speed								
Air flow [m³/h]	50	160	150	320	200	460	300	580
Sound pressure [db(A)]	19,8	39	18,3	40	19,1	42	21	42,1
Power supply	230 V / 50 Hz							
Maximum power absorbed [watt]	14		23		27		33	
Operating weight [Kg]	18		24		30		34	
Dry weight [Kg]	16		22		28		32	



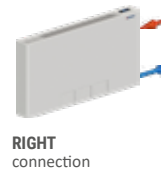
Total Output [watt]	574	748	1148	1496	1834	2154	2536	3120
Sensitive output [watt]	-	610	-	1250	-	1900	-	2600
Water/ambient temperature [°C]	water in/out 7/12 °C ambient temperature 27/19°C							
Flow-rate [l/h]	142		302		453		573	
Pressure loss [kPa]	7,00		9,00		22,00		28,00	

COLOUR WHITE



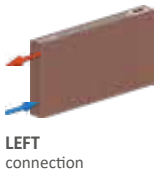
Model (LEFT connection)	Width L [mm]	Height	Depth	Art. nr.
VNT 2000	694	558	134	3584776100001
VNT 4000	894			3584776100002
VNT 6000	1094			3584776100003
VNT 8000	1294			3584776100004

COLOUR WHITE



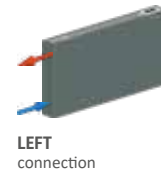
Model (RIGHT connection)	Width L [mm]	Height	Depth	Art. nr.
VNT 2000	694	558	134	3584776100005
VNT 4000	894			3584776100006
VNT 6000	1094			3584776100007
VNT 8000	1294			3584776100008

COLOUR F38 - SANDSTONE



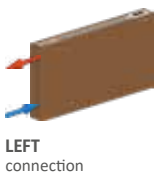
Model (LEFT connection)	Width L [mm]	Height	Depth	Art. nr.
VNT 2000	694	558	134	3584770000001
VNT 4000	894			35847700000019
VNT 6000	1094			35847700000028
VNT 8000	1294			35847700000034

COLOUR F33 - EMERALD SAND



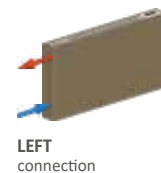
Model (LEFT connection)	Width L [mm]	Height	Depth	Art. nr.
VNT 2000	694	558	134	35847700000018
VNT 4000	894			35847700000020
VNT 6000	1094			35847700000027
VNT 8000	1294			35847700000033

COLOUR F31 - CORTEN BROWN



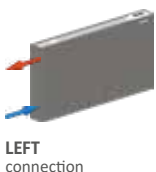
Model (LEFT connection)	Width L [mm]	Height	Depth	Art. nr.
VNT 2000	694	558	134	35847700000017
VNT 4000	894			35847700000021
VNT 6000	1094			35847700000026
VNT 8000	1294			35847700000032

COLOUR F25 - QUARTZ DUST



Model (LEFT connection)	Width L [mm]	Height	Depth	Art. nr.
VNT 2000	694	558	134	35847700000016
VNT 4000	894			35847700000035
VNT 6000	1094			35847700000025
VNT 8000	1294			35847700000031

COLOUR F23 - SPARKLING GREY



Model (LEFT connection)	Width L [mm]	Height	Depth	Art. nr.
VNT 2000	694	558	134	35847700000015
VNT 4000	894			35847700000022
VNT 6000	1094			35847700000024
VNT 8000	1294			35847700000030

COLOUR F04 - GRIGIO GRAFITE



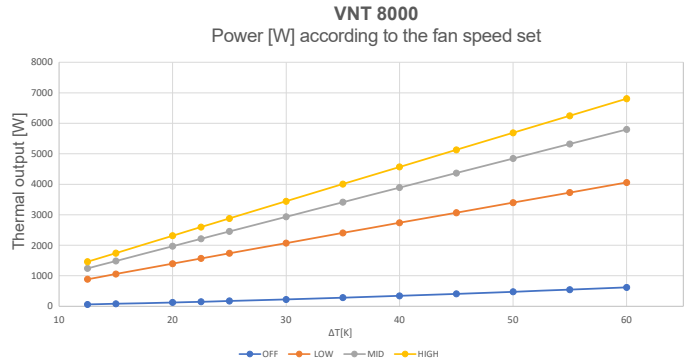
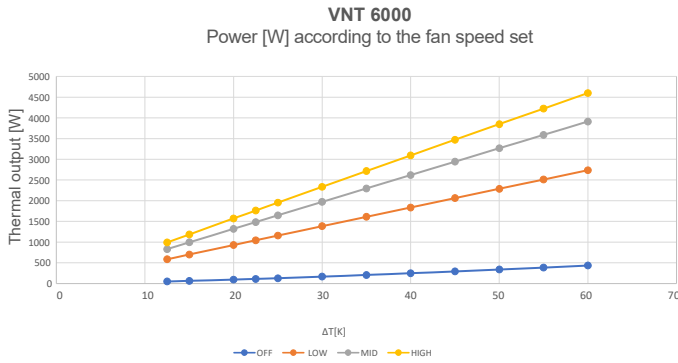
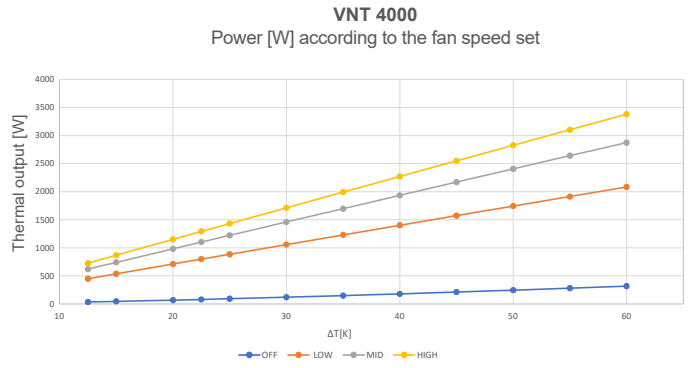
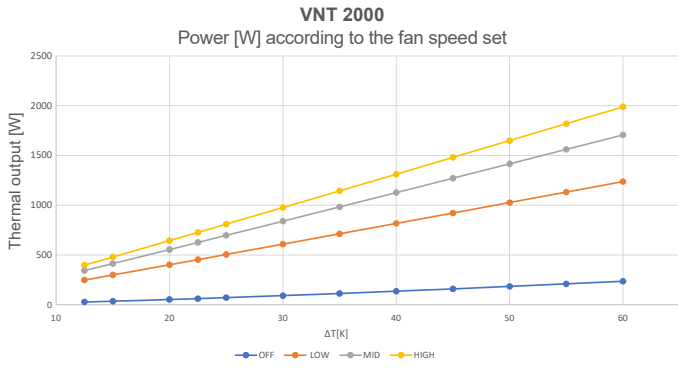
Model (LEFT connection)	Width L [mm]	Height	Depth	Art. nr.
VNT 2000	694	558	134	35847700000010
VNT 4000	894			35847700000011
VNT 6000	1094			35847700000023
VNT 8000	1294			35847700000029

Please refer to Cordivari COLOUR CHART - SYSTEM 4.0, in order to see the real colour



FANCOIL UNITS VNT HEATING AND COOLING TERMINALS

THERMAL OUTPUT [WATTS] IN HEATING MODE ASSESSED ACCORDING TO EN442



VNT 2000

ΔT	Ventilation speed			
	OFF	LOW	MID	HIGH
12,5	28	249	343	398
15	36	300	413	479
20	53	402	555	644
22,5	62	454	626	727
25	72	505	697	810
30	92	609	840	977
35	113	713	983	1144
40	136	817	1127	1312
45	160	922	1272	1481
50	184	1027	1416	1650
55	210	1132	1561	1819
60	237	1238	1707	1989

VNT 4000

ΔT	Ventilation speed			
	OFF	LOW	MID	HIGH
12,5	35	449	620	727
15	45	537	742	869
20	68	712	982	1152
22,5	80	799	1102	1293
25	93	885	1222	1433
30	120	1058	1460	1714
35	149	1230	1698	1993
40	180	1402	1935	2272
45	212	1573	2171	2550
50	246	1744	2407	2827
55	281	1914	2642	3104
60	318	2084	2876	3381

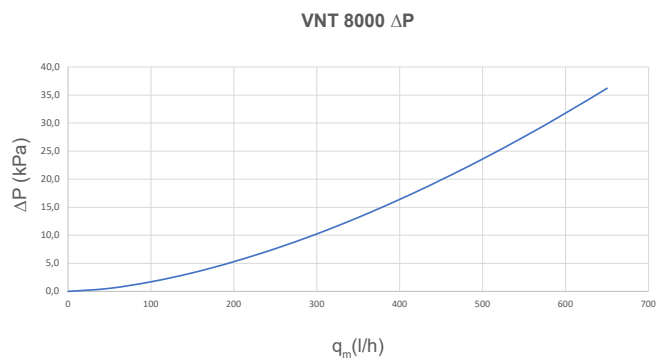
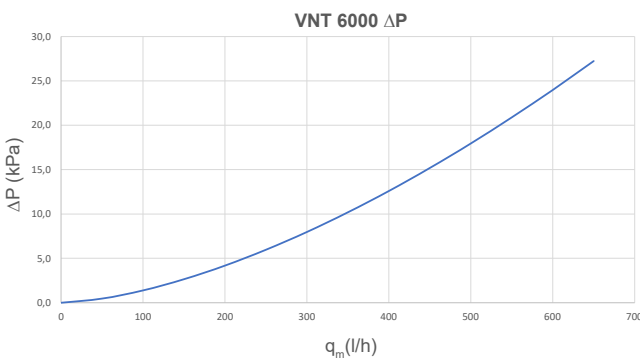
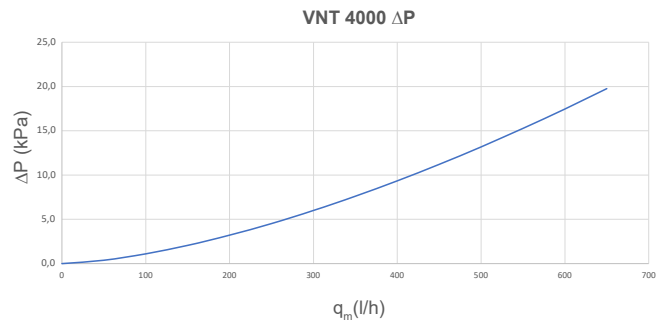
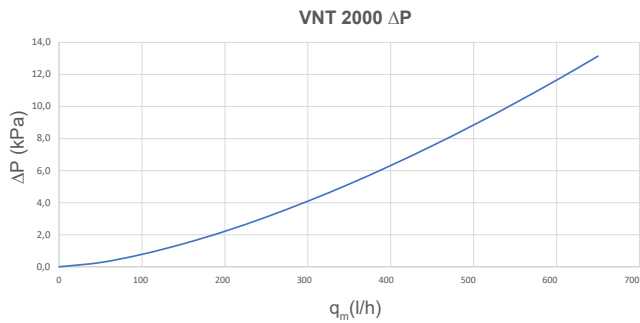
VNT 6000

ΔT	Ventilation speed			
	OFF	LOW	MID	HIGH
12,5	50	586	830	992
15	64	701	994	1186
20	95	930	1321	1571
22,5	112	1044	1484	1763
25	129	1158	1647	1954
30	166	1385	1972	2335
35	206	1611	2296	2715
40	248	1837	2620	3094
45	292	2063	2944	3472
50	338	2288	3267	3849
55	385	2513	3589	4225
60	435	2737	3912	4600

VNT 8000

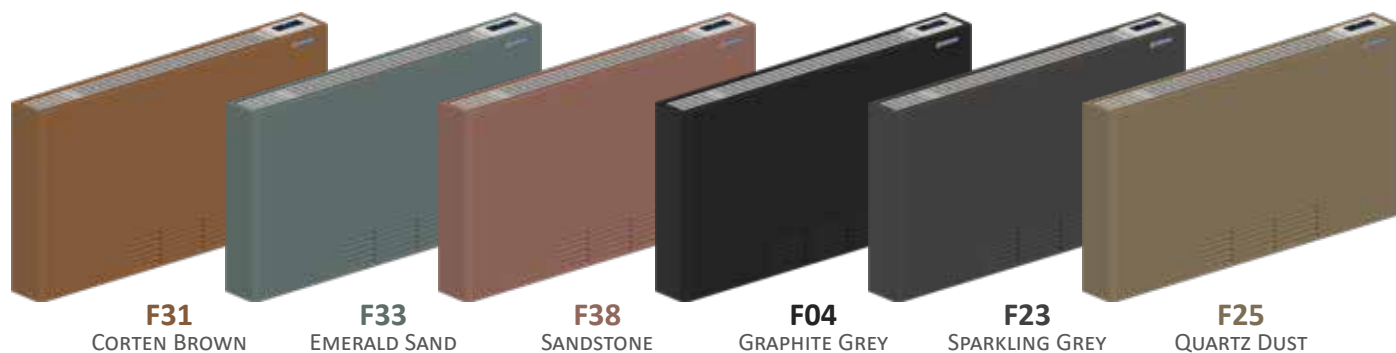
ΔT	Ventilation speed			
	OFF	LOW	MID	HIGH
12,5	63	886	1242	1458
15	82	1057	1485	1744
20	125	1398	1970	2313
22,5	149	1567	2212	2597
25	173	1736	2453	2880
30	226	2071	2934	3445
35	283	2405	3413	4007
40	344	2738	3892	4569
45	408	3069	4369	5129
50	476	3400	4845	5688
55	547	3729	5321	6246
60	621	4057	5795	6803

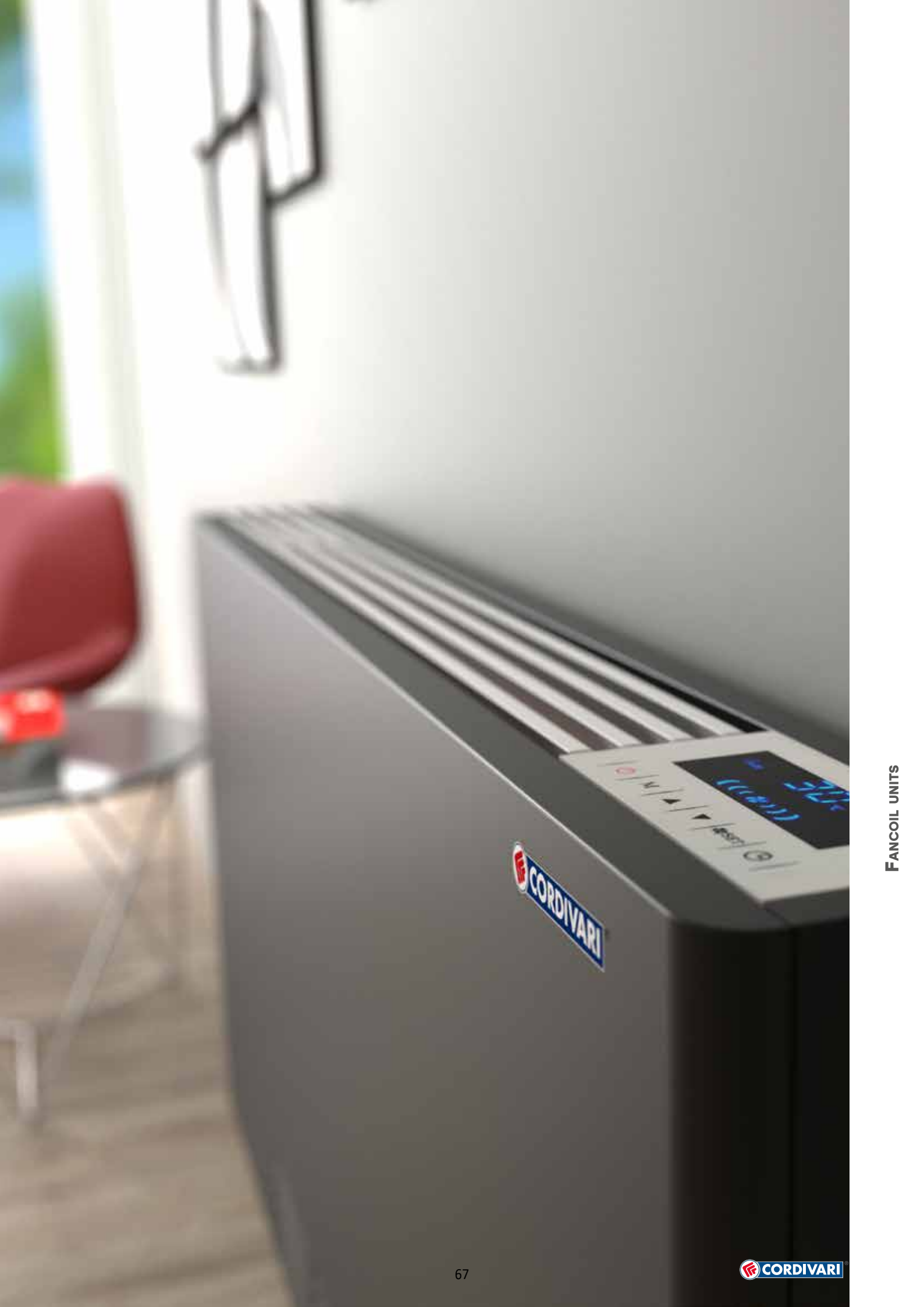
PRESSURE DROP

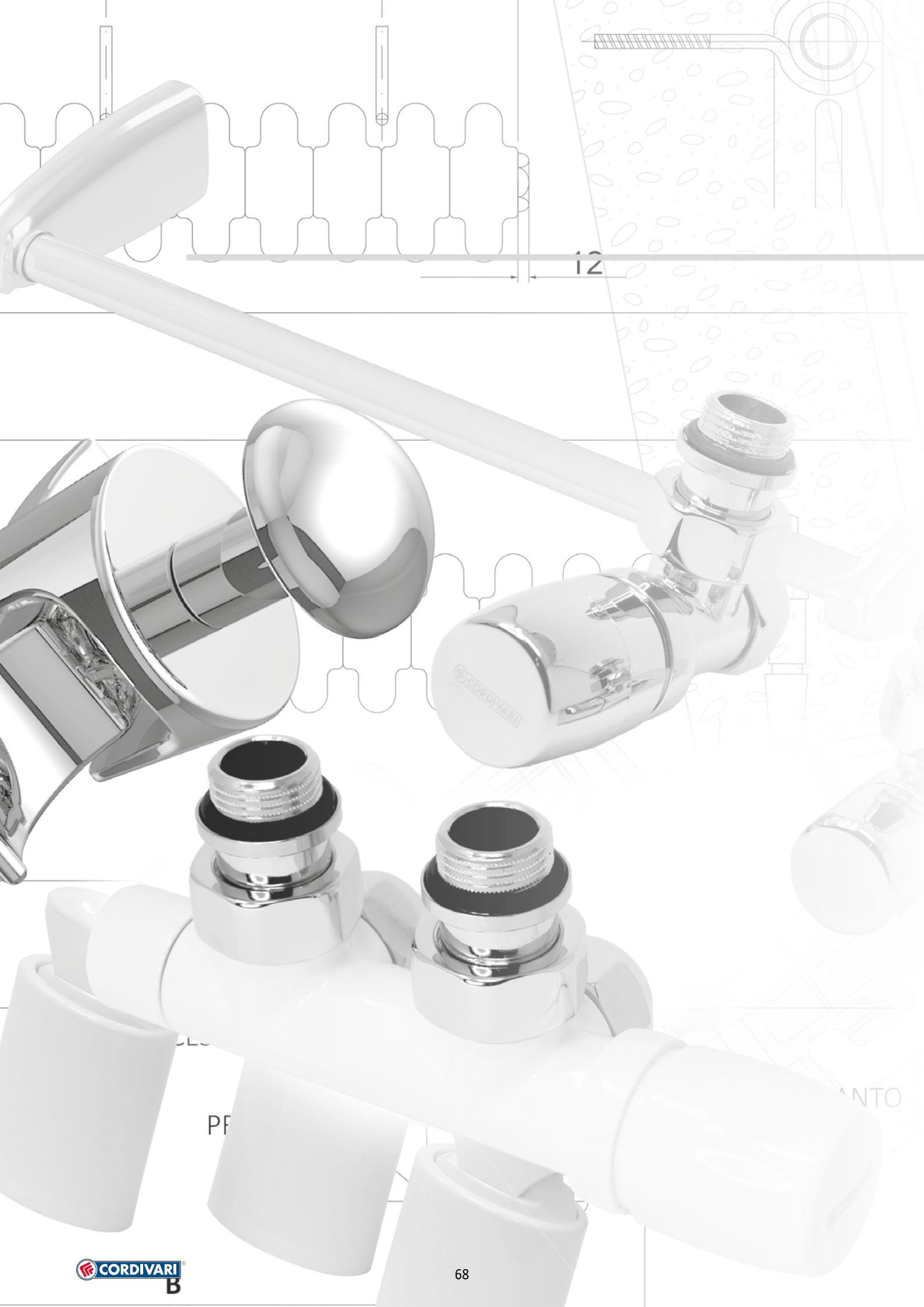


Special Colours

THE ONLY FAN COIL UNITS CUSTOMIZABLE IN 6 SPECIAL FINISHINGS







12

DEL

PF

ANTO

ACCESSORIES AND TECHNICAL SUPPORT



ACCESSORIES AND
TECHNICAL SUPPORT

ACCESSORIES

KIT 2 HOOKS - COLOUR WHITE



Suitable for:	Art. nr.
LISA [®] 25	
LISA [®] 25 CURVED	
LISA [®] 22	
LISA [®] 22 CURVED	
BELEN	5991990310171
BELEN CURVED	
ROBERTA	
ROBERTA CURVED	

KIT 2 HOOKS - CHROMED



Suitable for:	Art. nr.
LISA [®] 25 chromed	
LISA [®] 22 chromed	
LISA [®] 22 black	
LISA [®] 25 CURVED chromed	5991990310303
LISA [®] 22 CURVED chromed	
BELEN chromed	
ROBERTA chromed	

DRYNG RACK - WHITE COLOUR



Width L x Depth P	Art. nr.
L 360 mm x P 240 mm ^(*)	5991990310400
L 460 mm x P 240 mm ^(**)	5991990310401

Fixed towel bar, suitable for all towel rails models (curved models excluded)

^(*) Available for widths ≥ 450 mm

^(**) Available for widths ≥ 550 mm

TOWEL BAR - COLOUR WHITE



Suitable for:	Art. nr.	Width [mm]
LISA [®] 25		
LISA [®] 22	5991990310170	370 mm
BELEN		
ROBERTA		

Applicable only for width ≥ 450 mm

TOWEL BAR - CHROMED



Suitable for:	Art. nr.	Width [mm]
LISA [®] 25 chromed		
LISA [®] 22 chromed		
LISA [®] 22 black	5991990310302	370 mm
BELEN chromed		
ROBERTA chromed		

Applicable only for width ≥ 450 mm



INFRATUBE FIXING KIT - WHITE COLOUR



Suitable for:	Art. nr.
LISA 22	
LISA 22 electric	
LISA 25	
BELEN	5102000000200
ROBERTA	
ROBERTA square	
ROBERTA electric	
LISA 22 CURVED	
LISA 25 CURVED	
BELEN CURVED	5102000000446
ROBERTA CURVED	

Kit includes:
Brackets, air vent, plug, hexagonal tool, screws, user notice

INFRATUBE FIXING KIT - POLISHED



Suitable for:	Art. nr.
LISA 22 chromed	
LISA 22 chromed electric	
LISA 25 chromed	
BELEN chromed	5102000000428
ROBERTA chromed	
ROBERTA chromed electric	
LISA 22 CURVED chromed	
LISA 25 CURVED chromed	5102000000447

Kit includes:
Brackets, air vent, plug, hexagonal tool, screws, user notice

INFRATUBE FIXING KIT - BLACK



Suitable for:	Art. nr.
LISA 22 BLACK	
LISA 22 BLACK electric	5102000000747

Kit includes:
Brackets, air vent, plug, hexagonal tool, screws, user notice

ACCESSORIES

WHITE KRISTAL VALVES & THERMOSTATIC HEADS



See CORDIVARI RADIATORS AND TOWEL RAILS catalogue

CHROME KRISTAL VALVES & THERMOSTATIC HEADS



See CORDIVARI RADIATORS AND TOWEL RAILS catalogue

TOUCH-UP PENS - PURE WHITE RAL 9010



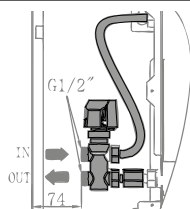
TOUCH-UP PENS- Colour Pure white RAL 9010.

Kit with 10 pieces.

Art. nr. 516000000029

ACCESSORIES- FANCOIL UNITS VNT

3 WAY BYPASS VALVE KIT



Kit for the fancoil by-pass with:
 - Three-way by-pass valve with 4 connections of 1/2"
 - insulated copper connection pipe
 - fittings

Art. nr. 5150990000013

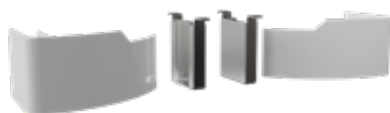
REMOTE CONTROL



Remote control of fancoil units functioning

Art. nr. 5150990000014

VNT SUPPORT FEET



Floor support system for VNT Fancoil units, complete with support feet and metal cover

Description	Art. nr.
FEET KIT FOR VNT FAN COIL R01 RAL 9010	5102000000734
FEET KIT FOR VNT FAN COIL F23 SPARKLING GREY	5102000030587
FEET KIT FOR VNT FAN COIL F38 SANDSTONE	5102000030676
FEET KIT FOR VNT FAN COIL F31 CORTEN BROWN	5102000030746
FEET KIT FOR VNT FAN COIL F33 EMERALD SAND	5102000030753
FEET KIT FOR VNT FAN COIL F04 GRIGIO GRAFITE	5102000030751
FEET KIT FOR VNT FAN COIL F25 QUARTZ DUST	5102000030752

VNT FILTER REPLACEMENT KIT



MODEL	Art. nr.
VNT 2000	5801000000005
VNT 4000	5801000000006
VNT 6000	5801000000007
VNT 8000	5801000000008

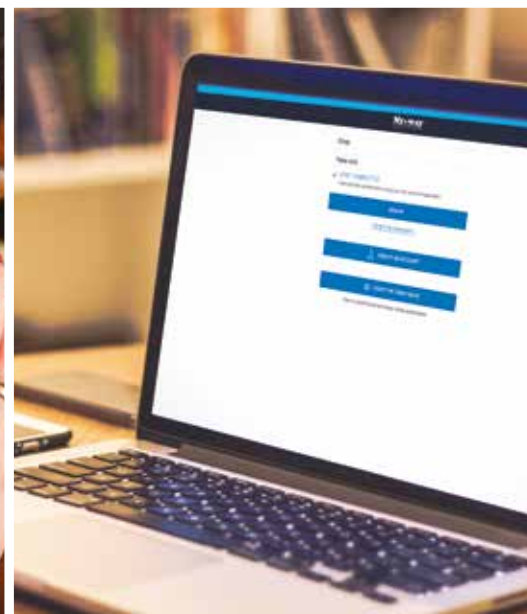
MY WAY® HOME AUTOMATION SYSTEM

MANAGE YOUR HOME HEATING SYSTEM EVERYWHERE AND WHENEVER YOU WANT

My Way®, the new Cordivari system for managing domestic comfort. Wherever you are, check and manage all radiators, save up to 30% on energy and improve the efficiency of your heating system. My Way® can be applied to all existing systems without the need of costly interventions, quickly and easily. Through its intuitive interface, thanks to the APP that follows you everywhere and to its ability to know and learn your habits of comfort, My Way is the best friend of your comfort living.

IDEAL FOR RENOVATIONS

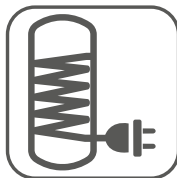
From your smartphone, thanks to the **APP CORDIVARI MY WAY®** or by connecting yourself to our website www.cordivarihome.com



HOME COMFORT SYSTEM

MY WAY® HOME AUTOMATION SYSTEM

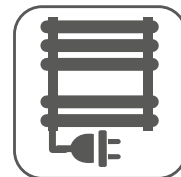
MANAGE THE FUNCTIONING OF
ELECTRIC WATER HEATERS OR
OTHER ELECTRIC DEVICES



OPEN WINDOW SENSOR



PREDICTIVE SYSTEM WHO
KNOWS AND ANTICIPATES
YOUR NEEDS



MANAGEMENT OF ELECTRIC
TOWEL WARMERS



STATISTICS AND ENERGY
CONSUMPTION



CONTROL THE HOME COMFORT
FROM YOUR SMARTPHONE



CUSTOMIZE EVERY ROOM
ACCORDING TO YOUR NEEDS

WIRELESS THERMOSTATIC HEAD



My HEAD®



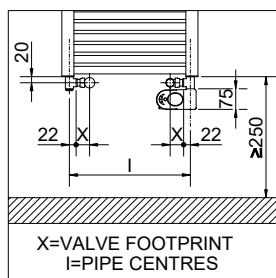
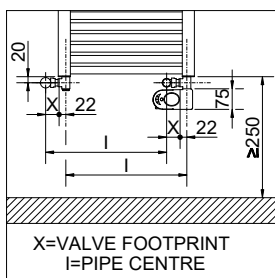
For further information on MY WAY® system,
see RADIATORS and TOWEL RAILS CATALOGUE

ACCESSORIES AND
TECHNICAL SUPPORT

DUAL ENERGY KIT



STANDARD INSTALLATION



For further information
Dual energy kit,
see RADIATORS and TOWEL RAILS CATALOGUE

"ECO" DIGITAL THERMOSTAT



WHITE

Art. nr.	Output [Watt]	Size [mm]
510200000638	300	∅ 12 x 350
510200000639	400	∅ 12 x 415
510200000640	500	∅ 12 x 450
510200000641	600	∅ 12 x 550
510200000642	700	∅ 12 x 550
510200000643	900	∅ 12 x 710
5102000002167	1000	∅ 12 x 710
510200000644	1200	∅ 12 x 920



CHROMED

Art. nr.	Output [Watt]	Size [mm]
510200000645	300	∅ 12 x 350
510200000646	400	∅ 12 x 415
510200000647	500	∅ 12 x 450
510200000648	600	∅ 12 x 550
510200000649	700	∅ 12 x 550
510200000650	900	∅ 12 x 710
5102000002168	1000	∅ 12 x 710
510200000651	1200	∅ 12 x 920

- 1 electric resistance with digital white thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. White power cable and schuko plug included.
- 2 "T" polished connections of 1"1/2
- 1 nicked brass with O-Ring 1/2 gas M
- User notice

- 1 electric resistance with digital chromed thermostat, class 1 ingress protection IP44 available from 300W up to 1200W V230. Grey power cable and schuko plug included.
- 2 "T" polished connections of 1"1/2
- 1 nicked brass with O-Ring 1/2 gas M
- User notice

TECHNICAL FORMULAS FOR PROFESSIONALS

Thermal Output

The power of a radiator to exchange heat in the room where it is installed depends on many factors: shape, size, installation type and so on, and from a pure technical point of view, from the difference between its temperature and the air temperature around it.

It is known in physics that heat is transmitted spontaneously from a hot body to a cold body and this heat transmission is as big as the difference in temperature between the two bodies. In order to have comparable data between radiators thermal output, it is necessary to establish the difference in temperature between the radiator and the environment in which it has been fitted. On this regard, EN 442 European directive refers to the temperature difference between the average hot water temperature inside the radiator and the room temperature where the radiator is fitted.

T_1 = delivery temperature

T_2 = back flow temperature $\Delta T = \left(\frac{T_1 + T_2}{2} \right) - T_a$

T_a = environment temperature

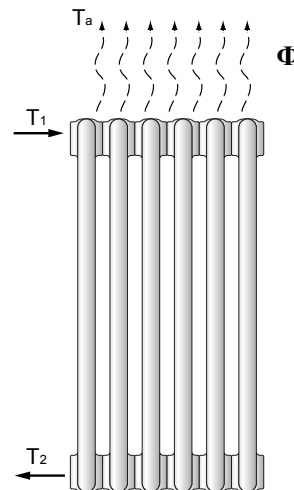
As example:

$T_1 = 75^\circ\text{C}$

$T_2 = 65^\circ\text{C}$

$T_a = 20^\circ\text{C}$

$$\Delta T = \left(\frac{75 + 65}{2} \right) - 20 = 50^\circ\text{C}$$



ΔT is established at 50°C and the radiator thermal output has to be determined by authorised laboratories according standard procedures, defined by the European directive. As a consequence:

$$\Phi = K_M * \Delta T^n \quad [\text{W}]$$

That it is called "Heating Body Typical Equation". Such equation allow to calculate the radiator thermal output according to whatever ΔT . In such cases, the radiator thermal output at a different ΔT than 50°C , is calculated as follows:

$$\Phi_{\Delta T} = K_M * \Delta T^n \quad \Phi_{\Delta T} = \frac{\Phi_{50}}{50^n} * \Delta T^n$$

To be precise, the directive states that it is necessary to refer to the arithmetic temperature difference (il ΔT defined before) if as it happens in most cases the relation:

$$\mu = \frac{T_2 - T_a}{T_1 - T_a}$$

is bigger or equal to 0.7. If the radiator is functioning with low water temperature or big temperature drops, the relations μ is lower than 0.7. In this case, it is necessary to change to the above stated relation the "temperature arithmetic difference" with the "temperature logarithmic difference", defined below:

$$\Delta T = \left(\frac{T_1 - T_2}{\ln \frac{T_1 - T_a}{T_2 - T_a}} \right)$$

Example

If the nominal thermal output of one radiator stated in the catalogue is: $\Phi = 430[\text{W}] = 369,8[\text{KCal/h}]$

and typical equation defined as: $\Phi = 3,2967 * \Delta T^{1,2451}$

and if we assume to make the radiator functioning at $\Delta T = 60^\circ\text{C}$ we obtain: $\Phi = 3,2967 * 60^{1,2451} = 539,6[\text{W}] \Rightarrow 539,6 * 0,860 = 464[\text{KCal/h}]$

It is possible to state then, that going from $\Delta T = 50$ to $\Delta T = 60$ the radiator thermal output rise of 25,5%.

If we think to make functioning the same radiator according to the below conditions:

$T_1 = 55^\circ\text{C}$

$T_2 = 35^\circ\text{C}$

$T_a = 20^\circ\text{C}$

$$\mu = \frac{35 - 20}{55 - 20} = 0,429 < 0,7 \quad \text{et} \quad \Delta T = \left(\frac{T_1 - T_2}{\ln \frac{T_1 - T_a}{T_2 - T_a}} \right) = \left(\frac{55 - 35}{\ln \frac{55 - 20}{35 - 20}} \right) = 23,6^\circ\text{C}$$

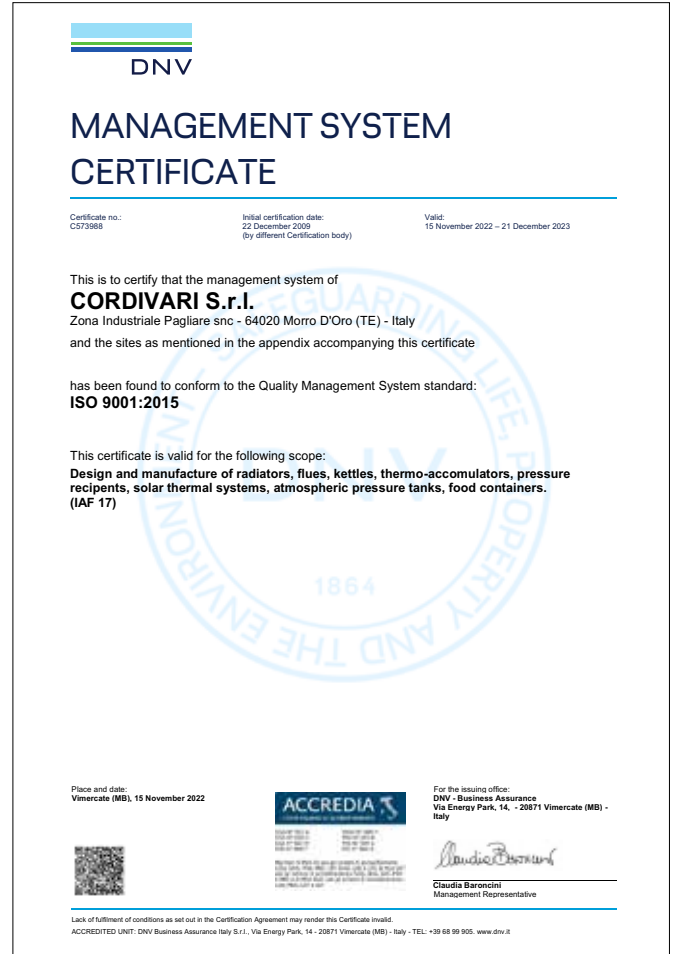
Applying the above procedure, the thermal output $\Delta T 23,6^\circ\text{C}$ it is equal to: $\Phi = 3,2967 * 23,6^{1,2451} = 168,8[\text{W}] \Rightarrow 168,8 * 0,860 = 142,2[\text{KCal/h}]$

We remind that in order to have the thermal output express in Kcal/h, it is necessary to multiply the value in Watt x 0.860.

COMPANY SYSTEM CERTIFICATES



Environment system certificate
UNI EN ISO 14001



Quality system certificate
UNI EN ISO 9001

Cordivari has always had among its goals:

- Continual improvement of its products
- Minimal environmental impacts
- Achievement of total quality

Cordivari worked out in order to obtain the most important certifications showing the company engagement in front of its internal system and external environment.

CE RADIATORS MARK: MAIN FUTURES

CE mark of radiators is the compliance to the minimal security requirements of European Directive of Standard 89/106/CEE and to the relevant EN 442-1-2-3.

The CE mark for radiators is compulsory since 01/12/2005.

The main features and tests are:

- Thermal output with relevant heat loss and characteristic formula tested by a certified laboratory as CETIAT, MRT and HLK.
- Conformity to the directive 76/769/CEE regulating the use of dangerous substances during painting process.
- Fire resistance according to EN 13501-1
- Corrosion resistance, endurance in humid atmosphere (min. 100 hours)
- Pressure test

The symbol of CE mark, in conformity to the directive 93/68/CEE, together with other technical information, is applied on the product and on its packaging.

MAIN STANDARDS REGULATING THE CONSTRUCTION OF DESIGN RADIATORS

UNI EN 442-1:2015

Radiators and convectors- Part 1 Technical specifications and requirements

UNI EN 442-2:2015

Radiators and convectors- Part 2 Test Methods and Rating

UNI EN 13501-1:2005

Fire class of products and construction parts.

CPR 305/2011

Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC

93/68/CEE

CE mark.

VDI 6036

Compliance with VDI 6036 standard relating to the fixing kits of radiators.

PRODUCTS CERTIFICATES

CORDIVARI Dichiarazione di prestazione n° 15-2020
DI CUI AGI Art. 4, 6, 7 E ALLEGATO III DEL REG. (UE) 9-2011, N. 305/2011

- Codice di identificazione unico del prodotto-tipo secondo la EN 442-2, Allegato G:
Fig. G.3 – Radiatori scaldasalviette.
- Identificazione del prodotto da costruzione ai sensi dell'articolo 11, paragrafo 4:

Nome commerciale	Larghezza (elementi)	Altezza (mm)
Ardesia	2-3-4-5-6	200-207-300-356-400-406-500-556-586-600-626-656-676-750-756-786-856-876-900-926-956-1000-1056-1200-1500-1656-1800-1856-2000-2056-2200-2500

Il codice del prodotto è indicato sull'etichetta.
- Scopo di utilizzo previsto dal fabbricante o scopi di utilizzo del prodotto da costruzione conformemente alle specifiche tecniche armonizzate applicabili:
Radiatori per l'emissione di calore destinati all'installazione permanente in impianti di riscaldamento di edifici ad uso abitativo, alimentati da sorgente remota di acqua calda o vapore a temperatura minore di 110° C (EN 442-1-2 2014).
- Nome e indirizzo del fabbricante:
Cordivari Srl, Zona Industriale Pagliare 64020 Morro D'Oro (TE) – Italia.
- Non applicabile.
- Sistema di valutazione e controllo della costanza di prestazione del prodotto:
Sistema 3.
- Laboratorio di Prova Notificato:
POLITECNICO DI MILANO – Dipartimento di Energia (Notified body number: 1695)
CETIAT – CENTRE TECHNIQUE DES INDUSTRIES AEROTHERMIQUES ET THERMIQUES.
Effettuate prove di tipo in accordo al Sistema 3 e alla Norma armonizzata UNI EN 442. Sono stati rilasciati i seguenti documenti:
 - Determinazione della potenza termica di un corpo scaldante
Rapporto di prova N° ENE/MRT.RES.13029/13030/13031/13032/13033 – 06/09/2013;
 - Prove di tenuta a pressione
Rapporto di prova N° 1623 BQ 200 – 23/11/2005.
- Non applicabile.

MKD 25-20 Dop – Rev. 00 Data 28/06/2013

DOP- DECLARATION OF PERFORMANCE

Declaration of performance according to REG 305/2011

Universität Stuttgart **IGE**
Institut für Gebäudetechnik
Lehrstuhl für Heiz- und Kälteanlagen

Bericht über die
Beschichtung für Raumheizkörper
gemäß DIN 55900-1, 55900-2

No.: H.0806.1.524.COR

Der Inspektionsbericht umfasst 3 Seiten

1. Ausfertigung



Der Bericht darf ohne schriftliche Genehmigung der Prüf- und Inspektionsstelle nur in seinem Umfang veröffentlicht werden.
Das Institut für Gebäudetechnik (IGE) ist ein vom DLR nach ISO/IEC 17025 akkreditiertes sowie vom DIN CERTCO anerkanntes Prüflaboratorium.
Hersteller ist das IGE oder nach ISO/IEC 17025 akkreditierte Inspektionsstelle.

Seite 1/1

Test report

Test report from Laboratory HLK (University of Stuttgart) according to DIN 55900-1, 55900-2.

POLITECNICO DI MILANO - DIPARTIMENTO DI ENERGETICA
Laboratorio Milano Ricerche Termotecniche M.R.T.
Laboratorio accreditato al numero 1695/2013 dal Ministero delle Attività Produttive
Laboratorio accreditato al numero 1695/2013 dal Ministero delle Attività Produttive
Laboratorio di riferimento: rapporto n° 01/017 Laboratorio di riferimento ai confronti con il 01/017 dell'Ente
Laboratorio di riferimento: rapporto n° 01/017 Laboratorio di riferimento ai confronti con il 01/017 dell'Ente
Accreditamento n° 1695/2013 del Ministero delle Attività Produttive
Ministero delle Attività Produttive, Dipartimento di Energia, Via Sallustiana, 97, 00100 Roma, Italia, Tel. (06) 4999.3999
Indirizzo: Milano, Piazza Leonardo da Vinci, 32 - 20133 Milano - Italia
Phone: +39 02 2399.4100 - Fax: +39 02 2399.4100 - Web: +39 02 2399.4100 - Email: info@polimi.it

NORMA / REFERENCE / REFERENC / REFERENZ / REFERENCIA : EN 442-1 & EN 442-2

Test di tenuta a pressione n°? E prova di tenuta a pressione N°? ENE/MRT.RAP.05190/P
Prova di tenuta n°? Druckprüfung N°? Prova di tenuta n°? ENE/MRT.RAP.05190/P

Massima pressione d'esercizio/ Pression de service maximale/ Maximum working pressure/ Maximum Betriebsdruck/ Máxima presión de funcionamiento	kPa	800
Prova di tenuta/ Essai d'étanchéité/ Leak test/ Dichtprüfung/ Prueba de escape (EN 442-1 § 5.2)		
Pressione di prova/ Pression d'essai/ Test pressure/ Prüfdruck/ Presión de Prueba	kPa	1040
Temperatura/ Temperature/ Temperature/ Temperatur/ Temperatura		OK
Prova di resistenza/ Epreuve de résistance/ Strength pressure testing/ Prüfung der Druckfestigkeit/ Prueba de resistencia (EN 442-1 § 5.3)		
Temperatura alla pressione/ Température à la pression/ Behavior in pressure/ Druckfestigkeit/ Comportamiento a la presión	kPa	1360
OK		OK
Controlli dimensionali/ Contrôle dimensionnel/ Dimensional control/ Maßhaltigkeitsprüfung/ Dimensiones controladas (EN 442-1 § 5.3.1)		
Conformità dell'apparecchio alle norme dei disegni/ Conformité de l'appareil aux plans/ Conformity of the device with regard to drawings/ Konformität des Bauelements zu Zeichnung und der Zeichnungen/ Conformidad de la muestra de la prueba con planos y dibujos		OK
Conformità dei disegni alla tabella 2 della Norma EN 442-2/ Conformité des plans par rapport aux tableaux de la norme EN 442-2/ Conformity of drawings with regard to table 2 of EN 442-2/ Conformidad de los dibujos con respecto a la Tabla 2 de la Norma EN 442-2/ Conformidad de los planos con respecto a la tabla 2 de la Norma EN 442-2		OK

Il Responsabile delle Prove
Ingegnere Umberto Polini
P.L. Claudio Tassinari
Claudio Tassinari
Pagina 1 di 1

Test report from MRT (Politecnico of Milan-Italy)

Determination of working pressure and working temperature according to the standard EN 442-1 and EN 442-2

ACCESSORIES AND
TECHNICAL SUPPORT

GENERAL SALES CONDITIONS AND WARRANTY

Sales of Cordivari's products are made according to the conditions listed below. Exceptions should be accorded in written by Cordivari Srl.

1. SHIPMENT

Goods are transported at buyer's risk and peril, even if they are shipped free of carriage. Goods have to be checked at the delivery about unaltered packaging, missing or confused products in the presence of the forwarder. Any claim has to be immediately communicated to the forwarder by appointing the shipper's document and by registered mail within 8 days from receipt of the goods (otherwise Cordivari Srl is cleared of his responsibilities).

2. DELIVERY TERMS

Delivery terms are indicative. Failure to comply with the agreed delivery terms for any reasons will not entitle the buyer to any compensation, cancellation or modification of the order without our prior consent. In case of strikes, lack in raw materials, or any other Act of God, Cordivari Srl reserves the right to decide proper countermeasures; in this case Cordivari Srl should be considered exempted from any responsibility. Shall ordered goods not be collected within agreed date, the same will be invoiced and stored with risks and costs charged to the customer.

3. DRY WEIGHT, MEASURES, SURFACES

Dry Weights, measures, surfaces, shapes, sizes, images and other figures related to the products are merely indicative and Cordivari Srl may at any time modify them.

4. ORDER CANCELLATION OR MODIFICATION

All orders are valid only if accepted in written form by Cordivari Srl. No orders shall be cancelled even partially without the consent of Cordivari Srl. It will not be possible to modify the order when the production has already started. Some cost due to the modifications or cancellation will be charge to the buyer.

5. RADIATORS/ACCESSORIES WARRANTY ON CONSTRUCTION DEFECTS

- For towel rails and single column living radiators Cordivari Srl offers warranty terms and period according to the national law following the directive for warranties 1999/44/CE, only if radiators are installed in closed heating system.
- All electric radiators (stainless steel and mild steel) Cordivari Srl offers warranty terms and period according to the national law following the directive for warranties 1999/44/CE.
- For accessories, customized products according to clients' requirements and other items not listed in present sales and warranty conditions, Cordivari Srl offers warranty terms and period according to the national law following the directive for warranties 1999/44/CE, except for electrical and electronic components for which the warranty is 12 months.
- All the products in this catalogue are designed and made according to European Directives CE, EN, UNI, etc. Warranty and conformity of these products are valid only in countries that apply such regulations. For Extra UE countries, or that do not follow these regulations, Cordivari Srl is not responsible for warranty and conformity.

WARRANTY WILL BE APPLICABLE AT THE FOLLOWING CONDITIONS:

- The warranty period starts with the date of the delivery of the material by Cordivari and this warranty is invalidated if the code of the radiator with the date is removed or modified.
- Warranty is only valid if Cordivari S.r.l. is notified by registered mail about the fault within 8 days since delivery.
- Warranty will take effect after having examined the defects and their causes in the Cordivari plant.
- The materials that have to be replaced or repaired must be shipped free of charge to the Cordivari plant. Warranty will be applicable at the following conditions:
- materials must have been stored in good conditions and protected from the inclemency of the weather before installation;
- radiator did not have damages during transport, handling or installation;
- no alterations or reparations must be done without the prior consent of the seller;
- the buyer must have paid all the bills within the pre-established deadlines;
- if for cleaning none of those aggressive, corrosive, substances not suitable for radiators material have been used;
- the installation must have been done by professionals and in conformity with all instructions and standards written on the technical data sheets provided by Cordivari S.r.l.;
- no periodical emptying or charging of the system must have taken place;
- no aggressive chemical substances must have been added to the water of the system
- the working pressure and temperature shown in the catalogue must correspond to the current usage pressure and temperature;
- the caps and Accessories used must be original Cordivari materials;
- radiator has not been connected to a system with open expansion tank;
- the radiators must not have been connected to the sanitary water system;
- The warranty doesn't cover construction or dismantling costs to move the product from/to the installation place.

In case of using antifreeze, it should never be used pure, but it has to be diluted before including in the heating system.

When you use anti-corrosion, it has to be compatible with all the material composing the heating elements of the radiator.

In case of preinstalled Cordivari's caps, each alteration of those caps will void the warranty of the product. Cordivari will not assume responsibilities for radiator assembled by other people and/even for caps which are not by Cordivari. Cordivari's warranty immediately cease in case of reparations or modifications on products without the previous agreement of Cordivari.

Heating system should be without any remaining of metals, calamine, grease, and without presence of gas. Before starting the heating system, make a rinse to cancel any residual from the installation/working.

Warranty will not be valid in case of damages caused by electrical system. The purchaser may not claim any other cost of direct or indirect damage to person or properties resulting from above confirmed defects.

6. PAYMENTS

All invoices have to be paid according to the agreed deadline. Any delay, even partial may suspend the planned deliveries. Overdue interest could be charged at current rates.

7. GOODS' PROPERTY

Cordivari Srl remains owner of the delivered goods until they are not completely paid. In case of failure to proceed to the payment, Cordivari Srl could ask for immediate restitution of goods and keep the paid partial amount as indemnity. Cordivari Srl can reserve the right to evaluate bigger damages caused by the outstanding amount.

8. PRICES

Prices are not binding and can be modified without communication and can be modified on basis of the modifications which could appear before and during delivery. Prices are intended on FCA-MORRO D'ORO (Incoterms 2010 basis), except in case of written agreements. For some voluminous delivery Cordivari may charge some extra-costs. All prices indicated are V.A.T. excluded.

9. ORDERS/DELIVERY

The Order value is minimum Euro 2.000,00. Given orders are binding to the buyer, who acknowledges of all our sales conditions.

Delivery is considered to customer main place/warehouse; for any different destination please get in touch with our sales dept.

10. COURT AUTHORITY

For the following Catalogue and conditions only the provisions of Italian law will be used. For controversy, the Court of Teramo (Italy) shall have exclusive competence. Essential and trial law shall be exclusively Italian.

11. ORIGINAL VERSION

Being a translation, the Italian language is the only valid language for interpretation and conditions of this catalogue version.

CONDIZIONI DI VENDITA E GARANZIA

Le vendite dei prodotti della Cordivari Srl sono effettuate conformemente alle sotto elencate Condizioni Generali di vendita e garanzia. Ogni deroga a queste condizioni è subordinata all'accettazione scritta da parte della Cordivari Srl.

1. SPEDIZIONE

La merce viaggia a rischio e pericolo del Committente, anche se viene spedita franco destino. La merce deve essere verificata all'atto della consegna, controllando l'integrità dell'imballo, articoli mancanti o sostituzioni in presenza del trasportatore. Ogni contestazione dovrà essere segnalata immediatamente al trasportatore/ corriere firmando con riserva il DDT e confermando tale riserva a mezzo lettera raccomandata o posta certificata entro otto giorni dal ricevimento merce. (In caso di mancata osservanza di questa clausola la Cordivari Srl e l'impresa di trasporto sono svincolati da qualsiasi responsabilità).

2. TERMINI DI CONSEGNA

I termini di consegna si intendono puramente indicativi e comunque se il termine di consegna non potesse essere rispettato per qualsiasi motivo, il Committente non avrà diritto a esigere alcun indennizzo, pagamento di penali, annullamento o modifica all'ordine conferitoci. In caso di eventi straordinari quali calamità naturali, scioperi, mancanza di materie prime, e cause di forza maggiore, la Cordivari Srl si riserva la scelta delle misure da adottare. Se la merce ordinata non viene ritirata nel periodo concordato, questa verrà fatturata e immagazzinata con costi, rischio e pericolo a carico del Committente.

3. PESI, MISURE, SUPERFICI

Pesi, misure, superfici, forme, Size, immagini e altri dati sono indicativi e non impegnativi e possono subire delle modifiche o variazioni che la Cordivari Srl si riserva di apportare ai suoi prodotti senza preavviso.

4. ANNULLAMENTO O MODIFICA ORDINE

Senza il consenso scritto della Cordivari Srl, le ordinazioni conferite non possono essere né parzialmente né totalmente annullate o modificate. Non si accordano variazioni o modifiche quando sia già stata intrapresa la lavorazione. Eventuali spese derivanti dall'annullamento o modifica dell'ordine saranno fatturate al Committente.

5. GARANZIA RADIATORI E ACCESSORI

- Per i radiatori Scaldasalviette e "1 monocolonna arredo living" la Cordivari Srl stabilisce la garanzia nei termini e per il periodo di tempo stabilito dalla legge nazionale di recepimento della Direttiva Garanzie 1999/44/CE.
- Per i radiatori Scaldasalviette e "1 monocolonna arredo living" in acciaio inox la Cordivari Srl stabilisce la garanzia per un periodo di 10 YEARS.
- Per tutti gli accessori, i prodotti speciali realizzati su specifica del Committente e tutti gli articoli residuali non contemplati nelle condizioni di vendita la Cordivari Srl garantisce nei termini e per il periodo di tempo stabilito dalla legge nazionale di recepimento della Direttiva Garanzie 1999/44/CE, ad eccezione di componenti elettrici ed elettronici, dove la garanzia è di 12 mesi.
- I prodotti di questo catalogo sono realizzati e progettati in conformità alla direttive europee di riferimento CE, EN, UNI, ecc. La garanzia e la conformità di detti prodotti hanno valenza esclusivamente in quei paesi dove tali norme sono riconosciute e recepite. In paesi extra europei o comunque che non recepiscono tali norme, la Cordivari Srl non assume responsabilità per garanzie e conformità.

LA GARANZIA E' SOTTOPOSTA ALLE SEGUENTI CONDIZIONI:

- La garanzia decorre dalla data di consegna da parte della Cordivari Srl e decade se viene manomessa e/o rimossa l'indicazione del lotto di produzione. I prodotti diventati inutilizzabili per accertati difetti di costruzione saranno riparati o sostituiti gratuitamente franco Vostra destinazione.
 - La condizione essenziale affinché la garanzia sia valida è che i difetti riscontrati siano notificati entro 8 (otto) giorni dal ricevimento della merce, per iscritto tramite raccomandata o posta certificata.
 - La garanzia sarà operante previo esame dei difetti e delle loro cause presso la sede della Cordivari Srl.
 - Il materiale da sostituire o riparare dovrà essere consegnato franco magazzino presso la Cordivari Srl.
 - Il materiale sia stato immagazzinato in buone condizioni e al riparo dalle intemperie prima di essere installato;
 - Il radiatore non abbia subito danneggiamenti durante il trasporto, le movimentazioni o l'installazione;
 - Non siano state effettuate manomissioni o riparazioni dei prodotti senza l'autorizzazione della Cordivari Srl;
 - Il Committente abbia effettuato il saldo dei pagamenti nei termini prestabiliti;
 - l'installazione sia stata realizzata da personale qualificato e in conformità alle istruzioni e alle norme indicate sulla documentazione tecnica fornita dalla Cordivari Srl e alle norme e prescrizioni impiantistiche generali e locali;
 - Per la pulizia del radiatore non siano stati utilizzati detersivi aggressivi, abrasivi incompatibili con il materiale del corpo scaldante;
 - Non siano stati effettuati svuotamenti o caricamenti periodici dell'impianto, i prodotti non siano stati collegati ad impianti a circuito aperto o impianti idrico sanitari o che comprendono componenti con impermeabilità inadeguata all'ossigeno.
 - Non siano state effettuate aggiunte di sostanze chimiche aggressive all'acqua dell'impianto, valori guida secondo la normativa UNI 8065;
 - La pressione e la temperatura di esercizio indicate sul catalogo corrispondano alla pressione e alla temperatura di utilizzazione corrente;
 - Il circuito sia esente da residui di metallo, calamina, grasso e non ci sia presenza di gas
 - Prima della messa in funzione dell'impianto, eseguire un lavaggio per eliminare residui di lavorazione meccanica e/o residui in fase d'installazione.
 - I tappi e gli accessori utilizzati siano quelli regolarmente forniti dalla Cordivari Srl.
 - Nel caso in cui si utilizzino l'antigelo, esso non dovrà mai essere utilizzato puro, ma diluito prima di essere introdotto nel circuito.
 - Nel caso in cui si utilizzino un inibitore di corrosione, esso dovrà essere compatibile con tutti i materiali presenti nei corpi scaldanti. In caso di prodotto con tappi premontati dalla Cordivari Srl, qualsiasi manomissione degli stessi, porterà fuori garanzia il prodotto. La Cordivari Srl non si assumerà comunque responsabilità su batterie assemblate da terzi, e/o con tappi e riduzioni assemblate da terzi.
 - Qualora il Committente esegua modifiche o variazioni di sua iniziativa sui materiali in contestazione senza il nostro preventivo benestare, decade immediatamente ogni responsabilità della Cordivari Srl.
 - La garanzia inoltre non opera in caso di anomalie o guasti dipendenti dalla rete di alimentazione elettrica.
 - La garanzia non copre costi dovuti a demolizioni, lavori per il passaggio dei prodotti sia in ingresso che in uscita e la manodopera per eventuali sostituzioni di prodotto.
- Cordivari Srl si impegna durante il periodo di garanzia alla sostituzione del prodotto reso riconosciuto difettoso per accertati difetti di produzione, oltre a ciò il Committente non potrà vantare alcun altro risarcimento per spese di danno, diretti o indiretti di qualsiasi natura a persone e/o a cose derivanti da detti difetti.

6. PAGAMENTI

I pagamenti delle fatture relative alle forniture dovranno essere effettuati entro i termini di scadenza stabiliti. Il ritardo nel pagamento delle fatture, anche se parziale, dà luogo alla decadenza degli interessi di mora nella misura del tasso corrente, oltre alla sospensione immediata delle spedizioni in corso e del processamento di diversi ordini.

7. RISERVA DI PROPRIETA'

I prodotti restano di proprietà della Cordivari Srl fino al pagamento dell'ultima rata di prezzo di merce consegnata. In caso di inadempimento anche parziale del compratore la Cordivari Srl potrà chiedere l'immediata restituzione della merce tratteneo comunque le rate pagate a titolo di indennità salvo il maggior danno.

8. PREZZI

I prezzi non sono impegnativi e possono essere modificati senza preavviso. I prezzi sono sempre riportati nel listino al netto di IVA. I prezzi sono revisionabili in funzione delle variazioni che dovessero intervenire fino al momento della consegna. I prezzi si intendono resa franco stabilimento di Morro D'Oro (TE), salvo diversi accordi. Per modelli ingombranti la Cordivari Srl si riserva di chiedere una partecipazione alle spese di imballaggio e/o trasporto.

9. ORDINI/CONSEGNA

Il valore minimo per ordine è di Euro 2.000,00
Gli ordini impartiti impegnano definitivamente il Committente che deve dichiarare di conoscere e accettare tutte le condizioni di vendita. Nel caso in cui il Committente rediga l'ordine per nome e per conto di altri, con la firma dell'ordine si impegna in solido all'adempimento di quanto da egli convenuto. La consegna si intende esclusivamente presso la sede/magazzino del Committente. Richieste particolari del Committente come consegne espresso, consegna diversa dalla sede/magazzino, etc. avranno costi addizionali che verranno comunicati di volta in volta dal nostro ufficio commerciale.

10. FORO COMPETENTE

Per qualsiasi controversia derivante dal presente contratto o collegata allo stesso è competente il Foro di Teramo.

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CORDIVARI SRL

Z. I. Pagliare 64020 Morro D'Oro (TE) • Italy | C.F. / P.Iva e Reg. Imp. TE 00735570673 | Capitale Sociale Euro 4.000.000,00 i.v
Tel: +39 085 80.40.714 | Fax: +39 085 80.41.273 | export@cordivari.it | www.cordivari.com | UNI EN ISO 9001 | UNI EN ISO 14001

