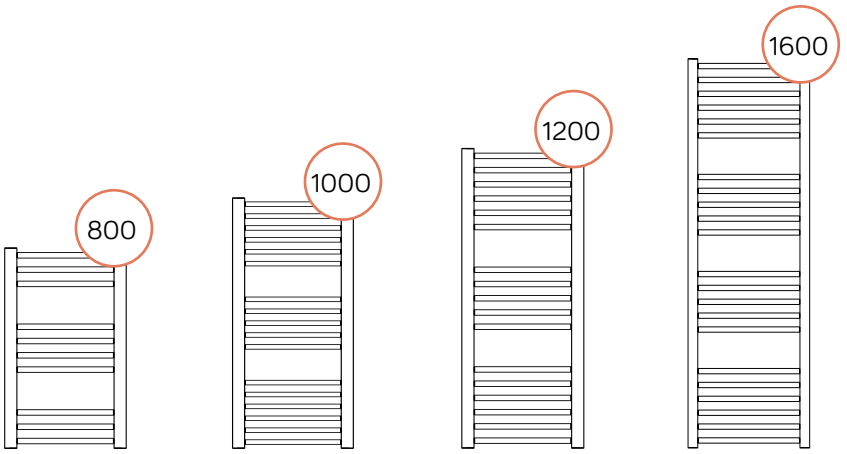
lazzarini

Silea

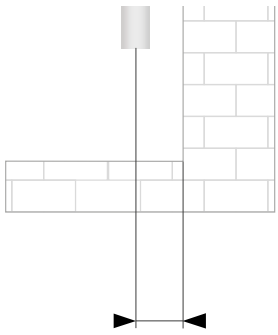
Technical sheet

EN EURONORM 442 CE



Description	Straight	Curved
Material	Carbon steel	
Pipes - Ø	22x0,9	
Collectors - mm	40x30x1,2 - «D» shape	
Connections	4x1/2' (air bleeding valve connection, included)	
Wall fixings	3	4
Max operating pressure	10 bar	
Max operating temperature	90 °C	
Paint	Epoxypolyester powder	
Packaging	P.P. corners + carton box + external nylon shrink wrap	
Standard equipment	1 kit wall fixing brackets - 1 air bleeding valve - 1 blind plug	

Connection



Min.	Max
76	91

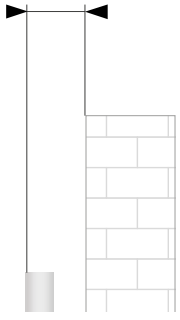
Suitable for

SINGLE PIPE VALVE

WALL/FLOOR FIXING

DUAL FUEL USE

Wall distance



straight

Min.	Max
95	110

curved

Width	Min.	Max.
500	102	117
600	105	119

Chrome - straight and curved

Code straight	Code curved	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT60 °C Btu	Heating el. watt	Exponent n
389961	-	800	300	250	3,0	2,2	140	611	n.a.	1,2007
384280	-	800	400	350	3,3	2,6	173	737	200	1,20844
384113	**384388**	800	500	450	3,8	2,8	203	860	200	1,17955
384463	**384464**	800	600	550	4,2	3,3	232	980	200	1,15066
389962	-	1000	300	250	3,6	2,8	172	734	200	1,21622
384618	-	1000	400	350	4,2	3,2	221	942	200	1,20822
384242	**384619**	1000	500	450	4,8	3,6	259	1103	300	1,19593
384385	**384620**	1000	600	550	5,4	4,0	297	1260	300	1,18364
389963	-	1200	300	250	4,5	3,5	205	877	200	1,23173
384386	-	1200	400	350	5,2	4,1	267	1137	300	1,20799
384114	**384389**	1200	500	450	6,1	4,5	315	1341	300	1,2123
384115	**384390**	1200	600	550	6,9	5,2	362	1543	300	1,21661
389964	-	1600	300	250	6,0	4,7	279	1195	300	1,23910
388312	-	1600	400	350	6,9	5,4	354	1512	300	1,22924
384116	**384465**	1600	500	450	8,0	5,9	420	1799	500	1,23824
384387	**384281**	1600	600	550	8,9	6,7	486	2085	500	1,24725

Anthracite VOV12 - straight

Code straight	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT60 °C Btu	Heating el. watt	Exponent n
384893	800	500	450	3,9	2,8	300	1270	300	1,17957
388657	800	600	550	4,3	3,3	344	1457	300	1,17352
388147	1200	500	450	6,2	4,5	478	2027	500	1,18692
388164	1200	600	550	6,9	5,2	548	2324	500	1,18576
388148	1600	500	450	8,1	5,9	638	2713	700	1,205
388658	1600	600	550	9,1	6,7	738	3136	700	1,19874

Matt Black RAL 9005 - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	ΔT50 °C Watt	ΔT60 °C Btu	Heating el. watt	Exponent n
380497	800	500	450	3,9	2,8	300	1270	300	1,17957
380498	800	600	550	4,3	3,3	344	1457	300	1,17352
380500	1000	500	450	4,9	3,6	391	1659	300	1,18325
380501	1000	600	550	5,5	4	447	1894	500	1,17964
380504	1200	500	450	6,2	4,5	478	2027	500	1,18692
380505	1200	600	550	6,9	5,2	548	2324	500	1,18576
380508	1600	500	450	8,1	5,9	638	2713	700	1,205
380509	1600	600	550	9,1	6,7	738	3136	700	1,19874

B-Brass - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	△T50 °C Watt	△T60 °C Btu	Heating el. watt	Exponent n
390745	800	400	350	3,4	2,5	209	898	200	1,24230
390559	800	500	450	3,8	2,9	253	1062	200	1,22643
390746	800	600	550	4,5	3,2	296	1263	300	1,21055
390747	1200	400	350	5,3	4,1	312	1331	300	1,21782
390560	1200	500	450	6	4,7	375	1604	300	1,22902
390748	1200	600	550	6,9	5,2	437	1870	500	1,24022
390749	1600	500	350	7	5,4	416	1788	500	1,26447
390561	1600	600	450	7,8	6,1	494	2119	500	1,25177
390750	1600	600	550	9	6,7	572	2447	500	1,23906

Our radiators are tested in qualified laboratories according to EN-442 regulations which determine the ouput value by fixing the ΔT at 50 °C. ΔT is the difference between the average temperature of the water inside the radiator and the room temperature. The formula is: $(((T_1+T_2)/2)-T_3)$.
Ex.: ((75+65/2)-20)= 50 °C. For output values with a different ΔT use the following formula: $\boldsymbol{\phi_x} = \phi_{\Delta T50} * (\Delta T_x/50)^n$.
See calculation example of the output at ΔT 60 °C of article 389961: $140*(60/50)^{1,2007}= 175$.
Output values in **kcal/h** = watt x 0,85984.
Output values in **btu** = watt x 3,412.

KEY
$\mathbf{T_1}$ = supply temperature - $\mathbf{T_2}$= return temperature - $\mathbf{T_3}$= room temperature.
$\boldsymbol{\phi_x}$ = output to be calculated - $\boldsymbol{\phi_{\Delta T50}}$ = output at ΔT 50 °C (table) - $\mathbf{\Delta T_x}$ = ΔT value to be calculated - ^{n}= exponent "n" (table).

Rev.3 - 08-01-2024