

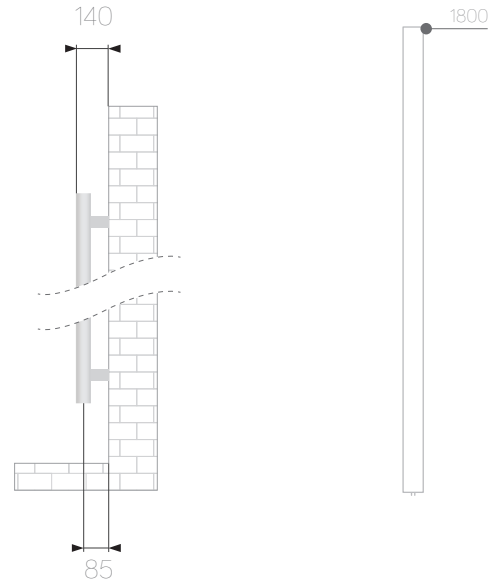
One Tube

Technical sheet



only 50 ONLY CENTRAL CONNECTIONS

VERTICAL OR HORIZONTAL INSTALLATION



Material	carbon steel
Pipes - mm	100x100x2
Connections	3x1/2 (air bleeding valve connection, included)
Wall fixings	2
Max pressure	4 bar
Max temperature	90 °C
Paint	epoxypolyester powder
Packaging	box and protections in cardboard + polyethylene foam sheet
Standard equipment	1 kit wall fixing brackets - 1 air bleeding valve - 1 chromed cap for air bleeding valve

Tabak VOV08

code	h (mm)	width (mm)	pipe centre (mm)	weight (kg)	water (lt)	ΔT50 °C (watt)	ΔT30 °C (watt)	ΔT42,5 °C (watt)	ΔT60 °C (watt)	exponent n
388411	1800	100	50	11,8	16,5	368	199	303	459	1,20560

White VOV09

code	h (mm)	width (mm)	pipe centre (mm)	weight (kg)	water (lt)	ΔT50 °C (watt)	ΔT30 °C (watt)	ΔT42,5 °C (watt)	ΔT60 °C (watt)	exponent n
383816	1800	100	50	11,8	16,5	368	199	303	459	1,20560

Anthracite VOV12

code	h (mm)	width (mm)	pipe centre (mm)	weight (kg)	water (lt)	ΔT50 °C (watt)	ΔT30 °C (watt)	ΔT42,5 °C (watt)	ΔT60 °C (watt)	exponent n
384544	1800	100	50	11,8	16,5	368	199	303	459	1,20560

Amethyst VOV13

code	h (mm)	width (mm)	pipe centre (mm)	weight (kg)	water (lt)	ΔT50 °C (watt)	ΔT30 °C (watt)	ΔT42,5 °C (watt)	ΔT60 °C (watt)	exponent n
384542	1800	100	50	11,8	16,5	368	199	303	459	1,20560

Quartz VOV15

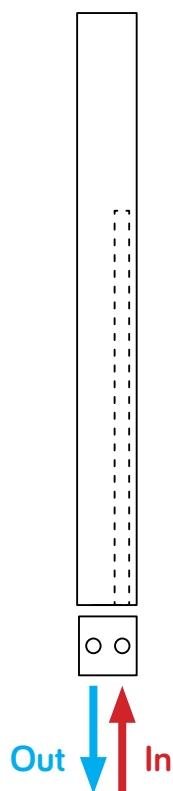
code	h (mm)	width (mm)	pipe centre (mm)	weight (kg)	water (lt)	$\Delta T_{50} \text{ }^\circ\text{C}$ (watt)	$\Delta T_{30} \text{ }^\circ\text{C}$ (watt)	$\Delta T_{42,5} \text{ }^\circ\text{C}$ (watt)	$\Delta T_{60} \text{ }^\circ\text{C}$ (watt)	exponent n
384568	1800	100	50	11,8	16,5	368	199	303	459	1,20560

Azzurrite VOV16

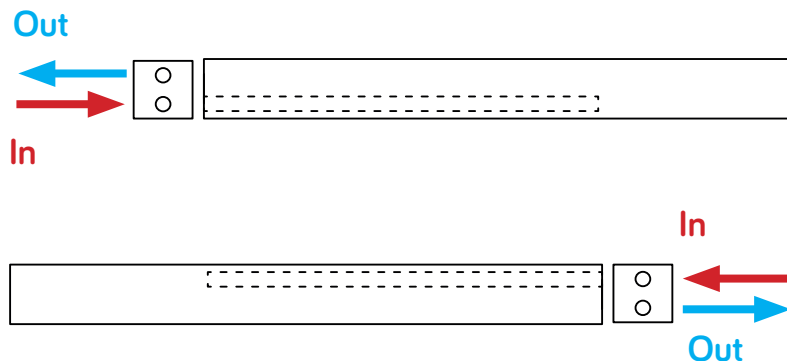
code	h (mm)	width (mm)	pipe centre (mm)	weight (kg)	water (lt)	$\Delta T_{50} \text{ }^\circ\text{C}$ (watt)	$\Delta T_{30} \text{ }^\circ\text{C}$ (watt)	$\Delta T_{42,5} \text{ }^\circ\text{C}$ (watt)	$\Delta T_{60} \text{ }^\circ\text{C}$ (watt)	exponent n
388618	1800	100	50	11,8	16,5	368	199	303	459	1,20560

Suggested installations

Vertical installation



Horizontal installations



Our radiators are tested in qualified laboratories according to EN-442 regulations which determine the output 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: $\phi_x = \phi_{\Delta T_{50}} * (\Delta T_x / 50)^n$.

Ex.: $((75+65)/2)-20 = 50 \text{ }^\circ\text{C}$. For output values with a different ΔT use the following formula: $\phi_x = \phi_{\Delta T_{50}} * (\Delta T_x / 50)^n$.

See calculation example of the output at $\Delta T 60 \text{ }^\circ\text{C}$ of article 388411: $368 * (60/50)^{1,20560} = 459$.

Output values in kcal/h = watt x 0,85984. Output values in btu = watt x 3,412.

KEY

T_1 = supply temperature - T_2 = return temperature - T_3 = room temperature.

ϕ_x = output to be calculated - $\phi_{\Delta T_{50}}$ = output at $\Delta T 50 \text{ }^\circ\text{C}$ (table) - ΔT_x = ΔT value to be calculated - n = exponent "n" (table).