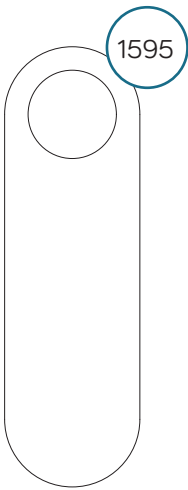


Vulcano

Technical sheet





Description	Straight
Material	Carbon steel
Radiator - mm	1595x490x7
Connections	5x1/2" (air bleeding valve connection, included)
Wall fixings	4
Max operating pressure	8 bar
Max operating temperature	90 °C
Paint	Epoxypolyester powder
Packaging	Carton box, carton and styrofoam protections, polyethylene foam sheet
Standard equipment	1 kit wall fixing brackets - 1 air bleeding valve - 2 blind plugs

Connection

Min.	Max
35	45

VERTICAL OR HORIZONTAL INSTALLATION
 ONLY 50 MM CONNECTIONS

Wall distance

Min.	Max
70	80

Suggested installations

50 mm

50 mm

50 mm

White VOV09 - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	$\Delta T_{50}^{\circ C}$ Watt	$\Delta T_{30}^{\circ C}$ Watt	$\Delta T_{42,5}^{\circ C}$ Watt	$\Delta T_{60}^{\circ C}$ Watt	Exponent n
390358	1595	490	50	19,6	1,0	579	304	473	729	1,25716

Anthracite VOV12 - straight

Code	Height mm	Width mm	Pipe centre mm	Weight kg	Water lt	$\Delta T_{50}^{\circ C}$ Watt	$\Delta T_{30}^{\circ C}$ Watt	$\Delta T_{42,5}^{\circ C}$ Watt	$\Delta T_{60}^{\circ C}$ Watt	Exponent n
390359	1595	490	50	19,6	1,0	579	304	473	729	1,25716

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.: $((75+65)/2)-20=50^{\circ C}$. 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 ΔT 60 °C of article 390358: $579 * (60/50)^{1,25716} = 729$.

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 ΔT 50 °C (table) - ΔT_x = ΔT value to be calculated - "n" = exponent "n" (table).