

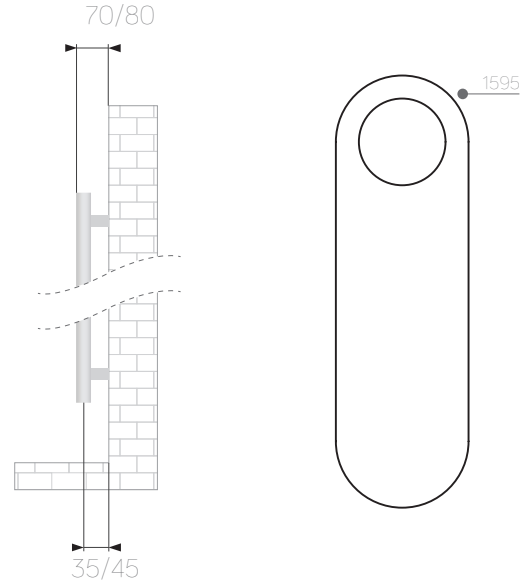
# Vulcano

Technical sheet



only  
50 ONLY CENTRAL CONNECTIONS

VERTICAL OR HORIZONTAL INSTALLATION



Material	Carbon steel
Radiator - mm	1595x490x7
Connections	5x1/2 (air bleeding valve connections, included)
Wall fixings	4
Max pressure	8 bar
Max temperature	120°
Paint	epoxypolyester powder
Packaging	cardboard box + cardboard and styrofoam internal protections + polyethylene foam sheet

**Standard equipment:** 1 kit wall fixing brackets - 1 air bleeding valve - 2 blind plugs  
- 3 chromed caps for blind plug and air bleeding valve

## Tabak VOV08

code	h (mm)	width (mm)	interaxis (mm)	weight (kg)	water (lt)	ΔT50 °C watt	ΔT30 °C watt	ΔT42,5 °C watt	ΔT60 °C watt	Exponent n
384968	1595	490	50	19,6	1,0	579	304	473	729	1,25716

## White VOV09

code	h (mm)	width (mm)	interaxis (mm)	weight (kg)	water (lt)	ΔT50 °C watt	ΔT30 °C watt	ΔT42,5 °C watt	ΔT60 °C watt	Exponent n
384684	1595	490	50	19,6	1,0	579	304	473	729	1,25716

## Anthracite VOV12

code	h (mm)	width (mm)	interaxis (mm)	weight (kg)	water (lt)	ΔT50 °C watt	ΔT30 °C watt	ΔT42,5 °C watt	ΔT60 °C watt	Exponent n
384686	1595	490	50	19,6	1,0	579	304	473	729	1,25716

## Amethyst VOV13

code	h (mm)	width (mm)	interaxis (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
384969	1595	490	50	19,6	1,0	579	304	473	729	1,25716

## Quartz VOV15

code	h (mm)	width (mm)	interaxis (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
384970	1595	490	50	19,6	1,0	579	304	473	729	1,25716

## Azzurrite VOV16

code	h (mm)	width (mm)	interaxis (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
384971	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  $\Delta T$  at 50 °C.  $\Delta T$  is the difference between the average temperature of the water inside the radiator and the room temperature. The formula is:  $\left(\frac{T_1+T_2}{2}\right)-T_3$ .

Ex.:  $\left(\frac{75+65}{2}\right)-20=50 \text{ }^\circ\text{C}$ . For output values with a different  $\Delta T$  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 °C of article 384968:  $579 * (60/50)^{1,25716} = 729$ .

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.

$\phi_x$  = output to be calculated -  $\phi_{\Delta T_{50}}$  = output at  $\Delta T$  50 °C (table) -  $\Delta T_x$  =  $\Delta T$  value to be calculated -  $n$  = exponent "n" (table).