Name : Vanadium

Symbol : V

Atomic number (Z) : 23

Atomic mass : 50.9415

Group : 5

Period : 4

block : s

Color : Silver

Phase : solid

Oxidation states : 5, 4, 3, 2, 1, -1, -3

Electronegativity : Pauling scale: 1.63

Melting point : 2183 K (1910 °C, 3470 °F)

Boiling point : 3680 K (3407 °C, 6165 °F)

Density at stp : 6.0 g/cm3

Triple point :

Critical point :

Heat of fusion : 21.5 kJ/mol

Heat of vaporization : 444 kJ/mol

Molar heat capacity : 24.89 J/(mol•K)

Ionization energies : 1st: 650.9 kJ/mol

Covalent radius : 153±8 pm

Van der Waals radius :

Speed of sound : 4560 m/s (at 20 °C)

Crystal structure : body-centered cubic (bcc)

Magnetic ordering : paramagnetic

Discovery : Andrés Manuel del Río (1801)

Named by : Nils Gabriel Sefström (1830)