

Vacuum/Gas Manifold (Schlenk Line)

Principle

The Vacuum/Gas Manifold allows the handling of materials under inert gas as well as chemical syntheses, desiccation of materials and distillations.

Manufacturer	Rettberg / Fraunhofer IFAM
Inert gas	Argon
Gas purification	Spectromol Oxisorb
Residual concentration H₂O	≤ 0.1 ppm
Residual concentration O₂	≤ 0.1 ppm
Vacuum pump	Rotary vane pump (Leybold Trivac D8)
Final vacuum	≤ 1.0 × 10 ⁻³ mbar
Cooling trap	Liquid nitrogen (-196 °C)
