



Key:

VICI Valco selector valve

pneumatic-actuated shutoff valve

MKS 248D flow control valve

MS-controlled change-over-valve

LabVIEW-controlled change-over-valve

fixed flow restriction

adjustable flow restriction

isokinetic T with mass flow controller

water trap (-60°C)

MKS 275 Convectron

Alicat Scientific M-100 mass flow meter

MKS 223B 10-Torr differential pressure transducer

diaphragm pump

20W halogen lamp

resistance temperature detector (RTD)

electric feedthrough

cold head (33-34K) with resistance heater inside vacuum housing

Pfeifer turbomolecular pump