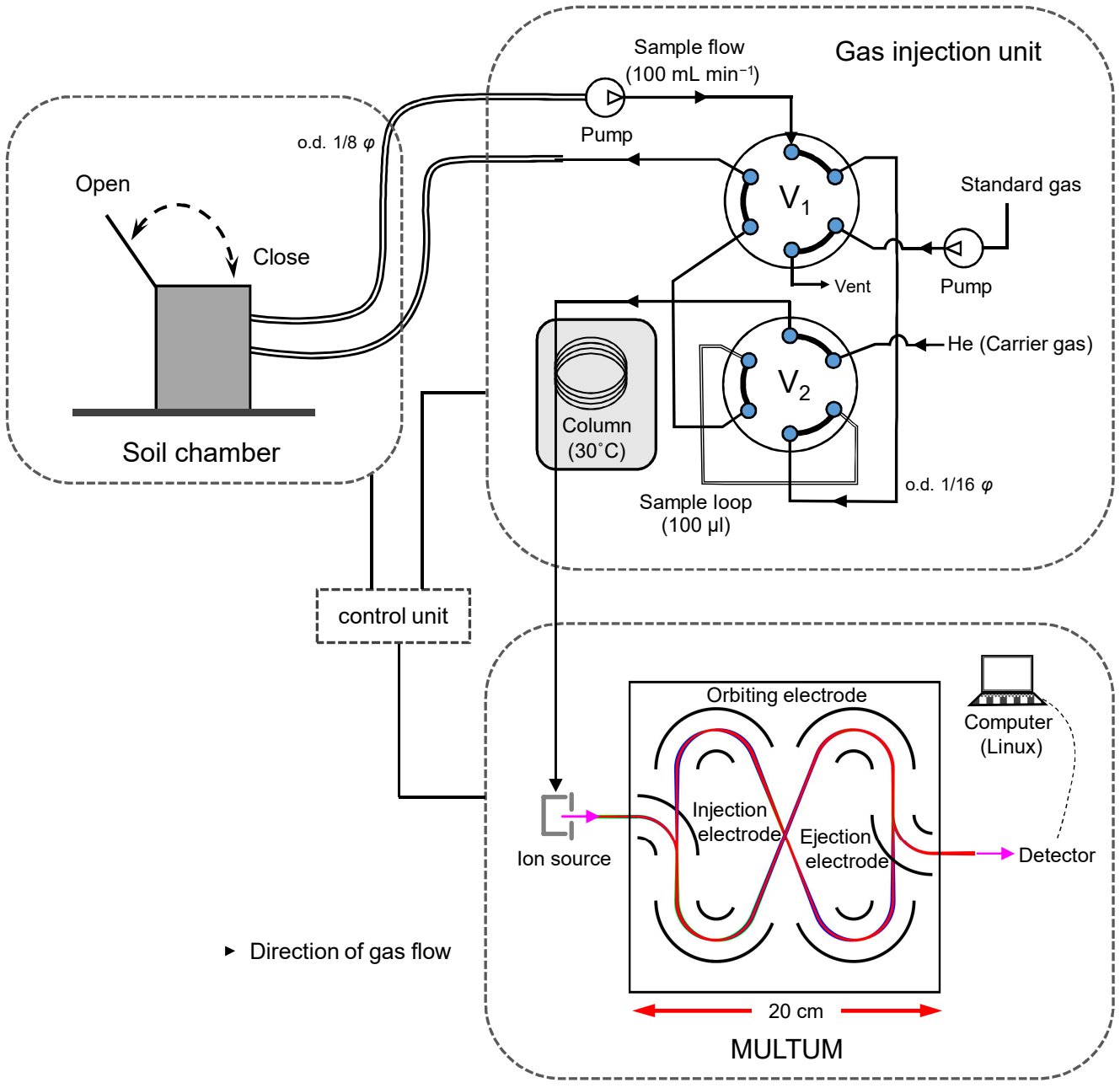
Gas injection unit
Sample flow
(100 mL min⁻¹)
Pump
o.d. 1/8 φ
Open
Close
Soil chamber
V1
Standard gas
Pump
Vent
He (Carrier gas)
V2
Column
(30˚C)
Sample loop
(100 µl)
o.d. 1/16 φ
control unit
Orbiting electrode
Computer
(Linux)
Injection
electrode
Ejection
electrode
Ion source
Detector
Direction of gas flow
20 cm
MULTUM