

Facility requirements for

VSU28

Gas and formic acid supply:

Line #	Device port	Pressure	Gas	Purity Grade
Line 1 (50 slm)	6 mm PU tube	5 bar	Nitrogen	5.0 or higher
Line 2 (50 slm)	6 mm PU tube	5 bar	Nitrogen	5.0 or higher
Line 3 (10 slm via bubbler)	6 mm PU tube	5 bar	Nitrogen	5.0 or higher
Cooling line (100 slm)	8 mm PU tube	5 bar	Nitrogen	3.0 or higher
Compressed Air	6 mm PU tube	5 bar	Air or Nitrogen	-
Line 4*	6 mm PU tube	2 bar	Helium	-
Formic acid auto refill*	6 mm PTFE tube	-	Formic acid	high purity

* optional

Aspiration:

	Hose size	Flow rate
Process exhaust	inner Ø50mm minimum	20m ³ /h minimum
Vacuum pump exhaust	inner Ø50mm minimum	30m ³ /h minimum

Power:

	Voltage	Amperage	Connection
America, Japan	200-220 Phase-to-phase	19A / 37A**	Delta
Other countries	220-240 Phase-to-neutral	11A / 22A**	Star

** single heating model / dual heating model

Formic acid:

We recommend using of high purity formic acid

Coolant:

2L Antifreeze G12 ready-for-use (don't fill with G12 concentrate),
System is factory filled with coolant, if ordered with mounting rack with chiller.