

## Facility requirements for

### VSU28/35/45

#### Gas and formic acid supply:

| Line #                       | Device port  | Pressure | Gas              | Purity Grade  |
|------------------------------|--------------|----------|------------------|---------------|
| Line 1 (100 slm)             | 6 mm PU tube | 5 bar    | Nitrogen         | 5.0 or higher |
| Line 2 (100 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 | 5 bar    | Nitrogen (other) | 5.0 or higher |

\* optional

#### Aspiration:

|                     | Hose size           | Flow rate                   |
|---------------------|---------------------|-----------------------------|
| Process exhaust     | inner Ø50mm minimum | 20m <sup>3</sup> /h minimum |
| Vacuum pump exhaust | inner Ø50mm minimum | 30m <sup>3</sup> /h minimum |

#### Power:

See device specification

#### Formic acid:

We recommend using of high purity formic acid 98-100%

Bottle thread GL45, volume 1L

#### Coolant:

2L Antifreeze G12 ready-for-use (don't fill with G12 concentrate). System is factory filled with coolant.