

MFMET Database for Flow Control Components

<https://yoda.teknologisk.dk/MFMET-database/>



| Flow generator                   |            |          |                |         |           |                |       |               |                 |                 |                           |                          |                 |
|----------------------------------|------------|----------|----------------|---------|-----------|----------------|-------|---------------|-----------------|-----------------|---------------------------|--------------------------|-----------------|
| Type                             | Flow range |          | Flow stability |         | Flow unit | Pressure range |       | Pressure unit | Connection size | Connection unit | Manufacturer              | Model                    | Connection type |
| Peristaltic pumps                | 39.6       | 63600    | 1.98           | 3180    | mL/h      | -              | -     | bar           | -               | -               | Watson Marlow             | 403U/R1                  | -               |
| Peristaltic pumps                | 9601       | 980      | 48             | 99      | mL/h      | -              | -     | bar           | -               | -               | SK mMedical               | SK600III                 | -               |
| Peristaltic pumps                | 1.2        | 66       | -              | -       | mL/h      | -              | -     | bar           | -               | -               | Aquatech Co               | RP-Q1.2N-P202-DC3V       | -               |
| Peristaltic pumps                | 1.8        | 240      | -              | -       | mL/h      | -              | -     | bar           | -               | -               | Sartorius                 | Masterflex Economy Drive | -               |
| Peristaltic pumps                | 9          | 102000   | -              | -       | µL/h      | -              | -     | bar           | -               | -               | Jobst Technology          | CPP-1 pump family        | -               |
| Piezo electric or diaphragm pump | 0.3        | 480      | -              | -       | mL/h      | -              | -     | bar           | -               | -               | Bartels                   | MP 6                     | -               |
| Piezo electric or diaphragm pump | 0          | 180      | -              | -       | mL/h      | -              | -     | bar           | -               | -               | Takasago                  | SDMP302                  | -               |
| Piezo electric or diaphragm pump | 0          | 420      | -              | -       | mL/h      | -              | -     | bar           | -               | -               | Takasago                  | SDMP306                  | -               |
| Piezo electric or diaphragm pump | -          | -        | -              | -       | nL/h      | -              | -     | bar           | -               | -               | TTP Ventus                | LT Series Micropumps     | -               |
| Pressure driven pump             | -          | -        | -              | -       | nL/h      | 0              | 2     | bar           | -               | -               | Fluigent                  | MFCSä,,C series          | -               |
| Pressure driven pump             | -          | -        | -              | -       | nL/h      | 0              | 0.2   | bar           | -               | -               | Elveflow                  | OB1                      | -               |
| Pressure driven pump             | -          | -        | -              | -       | nL/h      | 0              | 2     | bar           | -               | -               | Festo                     | VPPM series              | -               |
| Pressure driven pump             | -          | -        | -              | -       | nL/h      | 0              | 0.2   | bar           | -               | -               | Elvesys                   | AF1 200                  | -               |
| Pressure driven pump             | -          | -        | -              | -       | nL/h      | 0              | 0.75  | bar           | -               | -               | Biophysical Tools         | VS-750                   | -               |
| Pressure driven pump             | -          | -        | -              | -       | nL/h      | 0              | 0.5   | bar           | -               | -               | Blacktrace (Dolomite)     | Mitos Fluida Pump        | -               |
| Pressure driven pump             | -          | -        | -              | -       | nL/h      | 0              | 0.345 | bar           | -               | -               | Fluigent                  | Flow EZ LU-FEZ-0345      | -               |
| Syringe pump                     | 50         | 9000000  | -              | -       | µL/h      | -              | -     | bar           | 1/16"           | inch            | Tecan                     | Cavro XLP 6000           | Tubing fitting  |
| Syringe pump                     | 0.01359    | 69660    | 0.0001359      | 696.6   | mL/h      | -              | -     | bar           | 1/8"            | inch            | New Era                   | NE-1002X                 | Luer            |
| Syringe pump                     | 1          | 1000     | -              | -       | µL/h      | -              | -     | bar           | 1/16"           | inch            | Tecan                     | Cavro Centris            | Tubing fitting  |
| Syringe pump                     | 0.0001     | 90000    | 0              | 0.0035  | mL/h      | 0              | 500   | kPa           | 1/16"           | inch            | Chemxy                    | Nexus 3000               | Tube            |
| Syringe pump                     | 0.00048    | 5000     | -              | -       | µL/h      | 0              | 10    | bar           | 1/16"           | inch            | Cetoni                    | Nemesys                  | Tube            |
| Syringe pump                     | 0.48       | 3.6      | -              | -       | nL/h      | 0              | 10    | bar           | 1/4"            | inch            | Cetoni                    | Nemesys 5                | 28UNF female    |
| Syringe pump                     | 0.72       | 3000000  | 0.00252        | 105000  | nL/h      | -              | -     | bar           | -               | -               | Nexus                     | Nexus 3000               | -               |
| Syringe pump                     | 9.6        | 198      | 0.192          | 3.96    | mL/h      | -              | -     | bar           | -               | -               | BBraun                    | Perfusor Compact S       | -               |
| Syringe pump                     | 9.6        | 999      | 0.192          | 19.98   | mL/h      | -              | -     | bar           | -               | -               | BBraun                    | PerfusorSpace            | -               |
| Syringe pump                     | 0.0006     | 5400     | 0.000006       | 54      | mL/h      | -              | -     | bar           | -               | -               | KR Analytical             | Fusion                   | -               |
| Syringe pump                     | 0.6        | 5296800  | 0.003          | 26484   | nL/h      | -              | -     | bar           | -               | -               | KD Scientific             | Legato 100               | -               |
| Syringe pump                     | 96         | 960      | 1.92           | 19.2    | mL/h      | -              | -     | bar           | -               | -               | SK Medical                | SK500II                  | -               |
| Syringe pump                     | 0.0006     | 2100     | 0.000006       | 21      | mL/h      | -              | -     | bar           | -               | -               | New Era                   | NE 1000                  | -               |
| Syringe pump                     | 0.6        | 13249200 | 0.0021         | 46372.2 | nL/h      | -              | -     | bar           | -               | -               | Harvard Apparatus         | PHD 22/2000              | -               |
| Syringe pump                     | 0.0007     | 31257    | 0.01           | 0.01    | mL/h      | -              | -     | bar           | -               | -               | New Era Pump Systems, Inc | NE-300                   | -               |
| Syringe pump                     | 0.0007     | 31699    | 0.01           | 0.01    | mL/h      | -              | -     | bar           | -               | -               | New Era Pump Systems, Inc | NE-1000                  | -               |
| Syringe pump                     | 0.00143    | 66023    | 0.01           | 0.01    | mL/h      | -              | -     | bar           | -               | -               | New Era Pump Systems, Inc | NE-4000                  | -               |
| Syringe pump                     | 0.0004     | 5153.2   | 0.01           | 0.01    | mL/h      | -              | -     | bar           | -               | -               | New Era Pump Systems, Inc | NE-1200                  | -               |
| Syringe pump                     | 7.56E-08   | 1561.2   | 0.005          | 0.005   | mL/h      | -              | -     | bar           | -               | -               | Harvard Apparatus         | PROG. DUAL               | -               |

| Flow sensor  |            |        |                |        |           |                |     |               |                 |                 |              |                                |                 |
|--|------------|--------|----------------|--------|-----------|----------------|-----|---------------|-----------------|-----------------|--------------|--------------------------------|-----------------|
| Type   | Flow range |        | Flow stability |        | Flow unit | Pressure range |     | Pressure unit | Connection size | Connection unit | Manufacturer | Model                          | Connection type |
| Coriolis mass flow meter                               | 0          | 30     | -              | -      | kg/h      | 0              | 200 | bar           | 6               | mm              | Bronkhorst   | M14-AGD-22-0-s                 | Swagelok        |
| Coriolis mass flow meter                               | 0          | 2      | -              | -      | kg/h      | 0              | 200 | bar           | 6               | mm              | Bronkhorst   | M13-AGD-22-0-2                 | Swagelok        |
| Coriolis mass flow meter                               | 0.05       | 200    | 0.4            | 0.4    | g/h       | -              | -   | bar           | -               | -               | Bronkhorst   | Mini CORI-FLOW ML120           | -               |
| Differential pressure flow sensor                      | 60         | 12000  | 0.3            | 60     | µL/h      | -              | -   | bar           | -               | -               | Seyonix      | MEMS flow meter                | -               |
| Other technology for flow measurement in microfluidics | -          | -      | -              | -      | nL/h      | 6              | 89  | bar           | -               | -               | Omega        | PX481A-100G5V                  | -               |
| Thermal sensor   | 0          | 3000   | -              | -      | µL/h      | 0              | 50  | bar           | 1/16"           | inch            | Sensirion    | SLI-0430                       | -               |
| Thermal sensor   | 0          | 99.6   | -              | -      | mL/h      | -              | -   | bar           | -               | -               | Sensirion    | LD20-2600B                     | -               |
| Thermal sensor   | 90         | 300000 | 4.5            | 15000  | µL/h      | -              | -   | bar           | -               | -               | Elveflow     | Microfluidic flow sensor - MFS | -               |
| Thermal sensor   | 0.005      | 2      | 0.0001         | 0.0001 | g/h       | -              | -   | bar           | -               | -               | Bronkhorst   | µ-FLOW                         | -               |
| Thermal sensor   | 30         | 360    | 0.05           | 10.8   | mL/h      | -              | -   | bar           | -               | -               | Siargo       | LF6000                         | -               |
| Thermal sensor   | 0          | 0.09   | 0.001          | 0.001  | mL/h      | -              | -   | bar           | -               | -               | Fluigent     | FLOW UNIT FLU-XS               | -               |

| Pressure sensor                           |            |   |                |   |           |                |      |               |                 |                 |                     |   |                 |
|---|------------|---|----------------|---|-----------|----------------|------|---------------|-----------------|-----------------|---------------------|---|-----------------|
| Type                                      | Flow range |   | Flow stability |   | Flow unit | Pressure range |      | Pressure unit | Connection size | Connection unit | Manufacturer        | Model                                     | Connection type |
| Other technology for pressure measurement | -          | - | -              | - | nL/h      | -0.066         | 0.2  | bar           | -               | -               | PendoTECH           | Single-use pressure sensor                | -               |
| Other technology for pressure measurement | -          | - | -              | - | nL/h      | -0.76          | 4.14 | bar           | -               | -               | SciLog              | SciPres                                   | -               |
| Other technology for pressure measurement | -          | - | -              | - | nL/h      | -0.066         | 0.4  | bar           | -               | -               | Edwards Lifescience | True Wave                                 | -               |
| Other technology for pressure measurement | -          | - | -              | - | nL/h      | 0              | 16   | bar           | -               | -               | Elveflow            | Microfluidic inline pressure sensor - MFP | -               |
| Other technology for pressure measurement | -          | - | -              | - | nL/h      | 0              | 5    | psi           | 5.1             | mm              | Honeywell           | 24PC 4CF6D                                | -               |

| Manual dispensers and valves             |            |        |                |   |           |                |     |               |                 |                 |  |                                 |                 |
|--|------------|--------|----------------|---|-----------|----------------|-----|---------------|-----------------|-----------------|--|---------------------------------|-----------------|
| Type                                     | Flow range |        | Flow stability |   | Flow unit | Pressure range |     | Pressure unit | Connection size | Connection unit | Manufacturer   | Model                           | Connection type |
| Blisters                                 | 50         | 50     | -              | - | mL        | -              | -   | bar           | -               | -               | Aradigm  | blister                         | -               |
| Blisters                                 | 85         | 100    | -              | - | mL        | -              | -   | bar           | -               | -               | Capitex  | reservoir                       | -               |
| Blisters                                 | 5          | 1,000  | -              | - | mL        | -              | -   | bar           | -               | -               | Celula   | blister                         | -               |
| Blisters                                 | -          | -      | -              | - | nL/h      | -              | -   | bar           | -               | -               | Curetis  | integrated prefilled reservoirs | -               |
| Blisters                                 | 180        | 180    | -              | - | mL        | -              | -   | bar           | -               | -               | Daktari  | blister (developed by ThinXX)   | -               |
| Blisters                                 | 1,500      | 1,500  | -              | - | mL        | -              | -   | bar           | -               | -               | Elveflow   | reservoir                       | -               |
| Blisters                                 | 50         | 1,000  | -              | - | mL        | -              | -   | bar           | -               | -               | Hahn-Schickard   | blister                         | -               |
| Blisters                                 | 15         | 45     | -              | - | mL        | -              | -   | bar           | -               | -               | Medical System for Industry  | pouch                           | -               |
| Blisters                                 | 500        | 4,500  | -              | - | mL        | -              | -   | bar           | -               | -               | microfluidicsChipShop  | reservoir                       | -               |
| Blisters                                 | 25         | 1,000  | -              | - | mL        | -              | -   | bar           | -               | -               | microfluidicsChipShop  | blister                         | -               |
| Blisters                                 | 150        | 5,000  | -              | - | mL        | -              | -   | bar           | -               | -               | ThinXX   | blister                         | -               |
| Blisters                                 | -          | -      | -              | - | nL/h      | -              | -   | bar           | -               | -               | ThinXX   | reagent plug                    | -               |
| Fully integrated valves                  | -          | -      | -              | - | nL/h      | -              | -   | bar           | -               | -               | Fluidigm   | Nanoflex valves                 | -               |
| Pipette                                  | 0.2        | 10000  | -              | - | µL/h      | -              | -   | Pa            | -               | -               | Sartorius  | Picus                           | Tip             |
| Pipette                                  | 1          | 20     | -              | - | mL        | -              | -   | bar           | -               | -               | Eppendorf, Gilson, Sartorius, Mettler, Biohit, VWR, Brand, Thermofisher, Socorex | Fixed pipette                   | -               |
| Pipette                                  | 0.1        | 20     | -              | - | mL        | -              | -   | bar           | -               | -               | Eppendorf, Gilson, Sartorius, Mettler, Biohit, VWR, Brand Thermofisher, Socorex  | Variable pipette                | -               |
| Pipette                                  | 0.2        | 10     | -              | - | mL        | -              | -   | bar           | -               | -               | Sartorius, Brand, Oxford   | Digital pipette                 | -               |
| Pipette                                  | 0.001      | 0.01   | -              | - | mL        | -              | -   | bar           | -               | -               | Socorex  | ACURA 825.0010Y                 | -               |
| Pipette                                  | 0.01       | 0.1    | -              | - | mL        | -              | -   | bar           | -               | -               | Sartorius  | Biohit MLINE 725050             | -               |
| Pipette                                  | 0.002      | 0.02   | -              | - | mL        | -              | -   | bar           | -               | -               | Sartorius  | Biohit MLINE 725030             | -               |
| Pipette                                  | 0.005      | 0.05   | -              | - | mL        | -              | -   | bar           | -               | -               | Sartorius  | Proline Plus 728040             | -               |
| Pipette                                  | 0.005      | 0.05   | -              | - | mL        | -              | -   | bar           | -               | -               | Jeancons   | Sealpette 3902A                 | -               |
| Pipette                                  | 1          | 5      | -              | - | mL        | -              | -   | bar           | -               | -               | Sartorius  | Biohit Proline 720110           | -               |
| Pipette                                  | 0.02       | 0.2    | -              | - | mL        | -              | -   | bar           | -               | -               | Sartorius  | Biohit Proline 720070           | -               |
| Pipette                                  | 0.2        | 1      | -              | - | mL        | -              | -   | bar           | -               | -               | Sartorius  | Biohit Proline BH-1000/200      | -               |
| Pipette                                  | 0.0001     | 0.0025 | -              | - | mL        | -              | -   | bar           | -               | -               | Sartorius  | Biohit Proline 720010           | -               |
| Pipette                                  | 0.002      | 0.02   | -              | - | mL        | -              | -   | bar           | -               | -               | Edvotek  | 589-1                           | -               |
| Standalone valve (Pieze, SMA, MEMS, ect. | 0          | 0      | -              | - | nL/h      | 0              | 172 | bar           | 6               | mm              | Swagelok   | SS-43GX54                       | Swagelok        |
| Standalone valve (Pieze, SMA, MEMS, ect. | 0          | 0      | -              | - | nL/h      | 0              | 172 | bar           | 6               | mm              | Swagelok   | SS-42GS4                        | Swagelok        |

|  |   |   |   |   |      |   |    |     |   |   |                      |  |   |
|--|---|---|---|---|------|---|----|-----|---|---|----------------------|--|---|
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | - | -  | bar | - | - | Gyger AG             | SMLD 300G                                    | - |
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | - | -  | bar | - | - | Lee                  | VHS  | - |
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | - | -  | bar | - | - | Takasago             | NV-2-MFF (Diaphragm Isolation Valves)        | - |
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | - | -  | bar | - | - | Takasago             | EXAK Seres (Diaphragm Isolation Valves)      | - |
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | - | -  | bar | - | - | Brükert              | 2/2 Way Microfluidic Whisper Valve Type 6712 | - |
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | - | -  | bar | - | - | Elveflow             | LVF-MFV-NP-22-NC_2                           | - |
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | - | -  | bar | - | - | Actuator Solution    | SMA valve                                    | - |
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | - | -  | bar | - | - | Bistable micro valve | Memetis                                      | - |
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | - | -  | bar | - | - | Bartels              | SMV 2/2 NC Active Valve                      | - |
| Standalone valve (Pieze, SMA, MEMS, ect. | - | - | - | - | nL/h | 1 | 72 | bar | - | - | BIO-CHEM             | 100PD3MP12-015M                              | - |

#### Flow control components and accessories

| Type                     | Flow range | Flow stability | Flow unit | Pressure range | Pressure unit | Connection size | Connection unit | Manufacturer | Model                       | Connection type |                            |   |                      |
|--------------------------|------------|----------------|-----------|----------------|---------------|-----------------|-----------------|--------------|-----------------------------|-----------------|----------------------------|---|----------------------|
| Flow generator connector | -          | -              | -         | -              | nL/h          | 0.95            | 6               | bar          | 6                           | mm              | Festo                      | QSM-6                                       | Pneumatic connection |
| Flow generator connector | -          | -              | -         | -              | nL/h          | -               | -               | bar          | -                           | -               | Instech                    | SC20/12                                     | -                    |
| Flow generator connector | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.812                       | mm              | Instech                    | SC20/15                                     | -                    |
| Flow generator connector | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.644                       | mm              | Instech                    | SC22/15                                     | -                    |
| Flow generator connector | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 25ga x 12mm                 | mm              | Instech                    | SC25/12                                     | Coupler              |
| Flow generator connector | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 22ga x 8mm                  | mm              | Instech                    | SC22/8                                      | Coupler              |
| Flow generator connector | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 22ga x 12mm                 | mm              | Instech                    | SC22/12                                     | coupler              |
| Flow generator connector | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1/32"                       | inch            | BIO-CHEM                   | Pinch Valve Y Connectors Y-01P              | pinch valve          |
| Nozzle                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 27 ga x 1.2"                | inch            | Instech                    | Luer Stub (LS27K)                           | Luer Stub            |
| Nozzle                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1.024                       | mm              | Instech                    | Luer Stub (LS18K)                           | -                    |
| Nozzle                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 25 ga x 1.2"                | inch            | Instech                    | Luer Stub (LS25K)                           | Luer stub            |
| Nozzle                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.812                       | mm              | Instech                    | Luer Stub (LS20K)                           | -                    |
| Nozzle                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 21 ga x 1/2"                | inch            | Instech                    | Luer Stub (LS21)                            | Luer stub            |
| Nozzle                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 22ga x 15mm                 | mm              | Instech                    | Right Angle Coupler (SC22/15RA)             | right angle coupler  |
| Nozzle                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.644                       | mm              | Instech                    | Luer Stub (LS22K)                           | -                    |
| Nozzle                   | -          | -              | -         | -              | µL/h          | -               | -               | bar          | 0.25mm (31G) x 5mm          | mm              | BD Medical                 | Needle BD Thin Wall 5mm CNP: 6398412        | -                    |
| Reservoir                | -          | -              | -         | -              | mL            | -               | -               | Pa           | 2.5                         | mm              | Terumo Syringe             | SS*02LE1 Luer Lock tip                      | -                    |
| Reservoir                | 1          | 1              | -         | -              | mL            | -               | -               | Pa           | -                           | -               | Terumo Syringe             | U-100 Insulin                               | -                    |
| Reservoir                | 1          | 1              | -         | -              | mL            | -               | -               | bar          | -                           | -               | Terumo Syringe             | SS+01H1                                     | -                    |
| Reservoir                | 1          | 2              | -         | -              | mL            | -               | -               | bar          | -                           | -               | Terumo Syringe             | BS-025 6% Luer                              | -                    |
| Reservoir                | 1          | 24             | -         | -              | mL            | -               | -               | bar          | -                           | -               | Henkesasswolf              | NORM-JECT 4200-X00V0                        | -                    |
| Reservoir                | 1          | 10             | -         | -              | mL            | -               | -               | bar          | -                           | -               | Dispomed                   | ECOJECT <sup>®</sup> - Einmalspritzen 20010 | -                    |
| Reservoir                | 1          | 20             | -         | -              | mL            | -               | -               | bar          | -                           | -               | Dispomed                   | ECOJECT <sup>®</sup> - Einmalspritzen 20020 | -                    |
| Reservoir                | 1          | 50             | -         | -              | mL            | -               | -               | bar          | -                           | -               | Normax                     | Syringe RUTHE luer lock 50 ml (4.6030006)   | -                    |
| Reservoir                | 1          | 5              | -         | -              | nL/h          | -               | -               | bar          | -                           | -               | Normax                     | Syringe RUTHE luer lock 5 ml (4.6000003L)   | -                    |
| Reservoir                | 1          | 2              | -         | -              | nL/h          | -               | -               | bar          | -                           | -               | Normax                     | Syringe RUTHE luer lock 2 ml (4.6030001L)   | -                    |
| Reservoir                | 1          | 1              | -         | -              | mL            | -               | -               | bar          | -                           | -               | Normax                     | Syringe RUTHE luer lock 1 ml (4.6030000L)   | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | 0               | 24              | bar          | 6                           | mm              | RS PRO                     | 483-4970                                    | Tube                 |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1/16"                       | inch            | Supelco                    | Stainless Steel Tubing Kits                 | Tubeing              |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1/16"                       | inch            | Aline                      | Silicone tubing                             | hose barb            |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1.6                         | mm              | Dolomite                   | PTFE tubing                                 | Dolomite connectors  |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1.6                         | mm              | Fluigent                   | PEEK tubing                                 | Luer                 |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.36                        | mm              | labsmith                   | Fused Silicon                               | Luer                 |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1                           | mm              | microfluidicChipShop       | PTFE tubing                                 | (mini)Luer           |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1.6                         | mm              | Micronit                   | Teflon tubing                               | nuts and ferrules    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 3                           | mm              | Thinxxs                    | Silicone tubing                             | (mini)Luer           |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1                           | mm              | Deutsch & Neumann          | N/A   | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.51                        | mm              | Freudenberg Medical Europe | N/A   | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.6858                      | mm              | Instech                    | BPU-T35                                     | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.58                        | mm              | Instech                    | BTPE-50                                     | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.76                        | mm              | Instech                    | BTPE-60                                     | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.86                        | mm              | Instech                    | BTPE-90                                     | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.812                       | mm              | Instech                    | BTCOEX-22                                   | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.46 x 0.91 mm x 30 m       | mm              | Instech                    | BTPE-25                                     | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.63 x 1.40mm x 30 m        | mm              | Instech                    | 0.63 x 1.40mm x 30 m                        | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.63 x 1.40mm x 30 m        | mm              | Instech                    | VAHBPU-T22                                  | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 0.76 mm I.D. / 1.65 mm O.D. | mm              | HelixMark                  | 60-011-04 standard silicone tubing          | -                    |
| Tubing                   | -          | -              | -         | -              | nL/h          | -               | -               | bar          | 1.6 mm / 2.2 mm / 300 mm    | mm              | SIM                        | A072-171 PTFE Tubing                        | -                    |