

# HiQuad Neo

Quadrupole Mass Spectrometers

**PFEIFFER**   
VACUUM+FAB SOLUTIONS

Part of the **BUSCH** GROUP



## Flexible

Modular design, backwards-compatible

## User-friendly

Simple operation via Pfeiffer MassSpec software, easy system integration thanks to OPC-UA interface

## High performance

Fast measuring speed, maximum sensitivity

Accessories, spare parts and options

- Spare electronics
- Spare ion source
- Spare filament
- Spare wiring
- Spare multiplier
- Spare analyzer
- Spare cable
- Vacuum chamber
- Upgrade kit from old to new generation

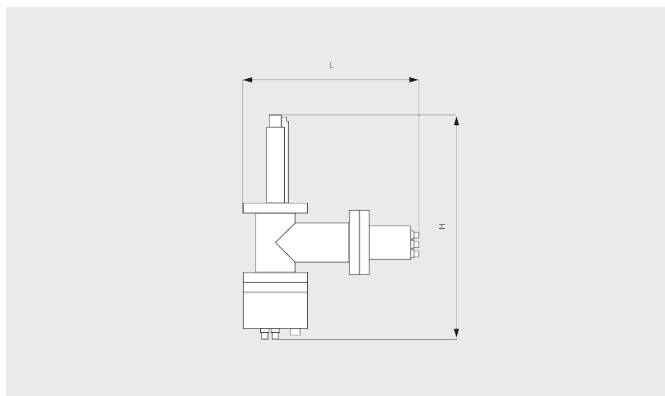
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## Quadrupole Mass Spectrometers

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Dimensional drawing



|                                 | QMA 430                                        | QMA 400                                        |
|---------------------------------|------------------------------------------------|------------------------------------------------|
| Mass range                      | 1-300 u                                        | 1-512 u                                        |
| Detection limit                 | $< 2 \cdot 10^{-15}$ hPa (mbar)                | $< 1 \cdot 10^{-15}$ hPa (mbar)                |
| Ar sensitivity                  | $2 \cdot 10^{-4}$ A/hPa (mbar)                 | $5 \cdot 10^{-4}$ A/hPa (mbar)                 |
| Max. operating pressure         | $1 \cdot 10^{-4} / 1 \cdot 10^{-5}$ hPa (mbar) | $1 \cdot 10^{-4} / 1 \cdot 10^{-5}$ hPa (mbar) |
| Partial pressure ratio with SEV | $< 1$ ppb                                      | $< 0.5$ ppb                                    |
| Min. measurement speed          | 125 $\mu$ s/u – 60 s/u                         | 125 $\mu$ s/u – 60 s/u                         |
| Rod system                      | Stainless steel, 8 mm diameter                 | Mo, 8 mm diameter                              |
| High frequency generator (HF)   | QMH 800-3                                      | QMH 800-5                                      |
| Electrometer preamplifier       | EP 822                                         | EP 822                                         |
| Operating temperature analyzer  | 150 °C                                         | 150 °C                                         |
| Bake-out temperature            | 400 °C                                         | 400 °C                                         |
| Dimensions (L x W)              | 309 x (432-454) mm                             | 309 x (432-454) mm                             |
| Connecting flange               | DN 63 CF-F                                     | DN 63 CF-F                                     |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!



CONTACT FORM