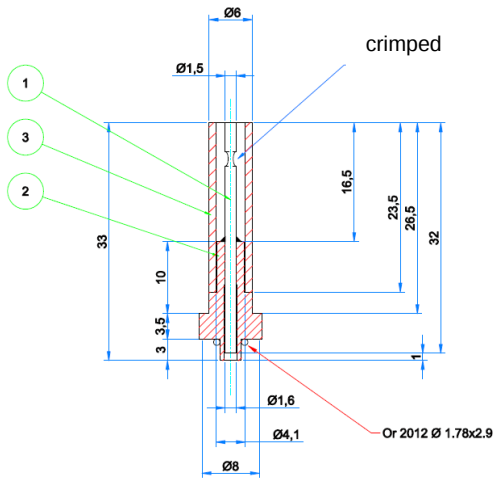
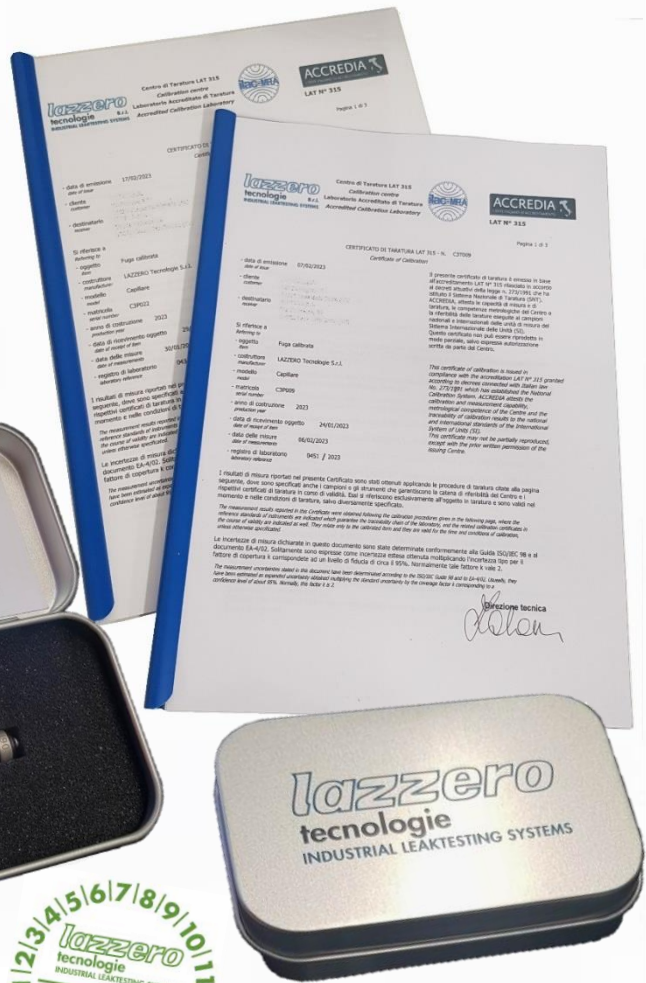




1. Crimped capillary
2. Body
3. Protective guard

All materials:
Stainless Steel
Nickel welded



Supply Reference Leak with calibration report:

Stainless Steel crimped capillary
upstream gas pressure 1 bar (upon request higher ΔP)
downstream pressure < 10-3 mbar

Calibration activity with Accredia certification:

Nominal 100% Helium flows:

da 1×10^{-7} a 1×10^{-6} Pa m³/s ($\pm 20\%$) extended uncertainty 12%
da 1×10^{-6} a 2×10^{-5} Pa m³/s ($\pm 20\%$) extended uncertainty 8%

Nominal 10% Helium in Nitrogen mixture flows:

da 1×10^{-7} a 1×10^{-6} Pa m³/s ($\pm 20\%$) extended uncertainty 13%
da 1×10^{-6} a 2×10^{-5} Pa m³/s ($\pm 20\%$) extended uncertainty 9%

Supply & Calibration

Reference Leak with calibration report:

nominal Helium flows:

$1 \div 9 \times 10^{-4}$ Pa m³/s ($\pm 20\%$) extended uncertainty 11%
 $1 \div 9 \times 10^{-5}$ Pa m³/s ($\pm 20\%$) extended uncertainty 11%
 $1 \div 9 \times 10^{-6}$ Pa m³/s ($\pm 20\%$) extended uncertainty 11%
 $1 \div 9 \times 10^{-7}$ Pa m³/s ($\pm 20\%$) extended uncertainty 12%
 $1 \div 9 \times 10^{-8}$ Pa m³/s ($\pm 30\%$) extended uncertainty 13%

nominal Helium/Nitrogen mixture flows:

$1 \div 9 \times 10^{-4}$ Pa m³/s ($\pm 30\%$) extended uncertainty 15%
 $1 \div 9 \times 10^{-5}$ Pa m³/s ($\pm 30\%$) extended uncertainty 15%
 $1 \div 9 \times 10^{-6}$ Pa m³/s ($\pm 30\%$) extended uncertainty 15%
 $1 \div 9 \times 10^{-7}$ Pa m³/s ($\pm 30\%$) extended uncertainty 15%
 $1 \div 9 \times 10^{-8}$ Pa m³/s ($\pm 30\%$) extended uncertainty 18%

The LT Metrological Laboratory LAT 315

- provide periodical calibrations
- Accredited Laboratory UNI-EN ISO ISO17025:2018
- involves high skilled technicians certified UNI-EN473 - ISO9712:2021Standard

The Laboratory additionally:

- manufactures Calibrated Reference Leaks at the requested flowrate

lazzero
tecnologie
INDUSTRIAL LEAKTESTING SYSTEMS

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