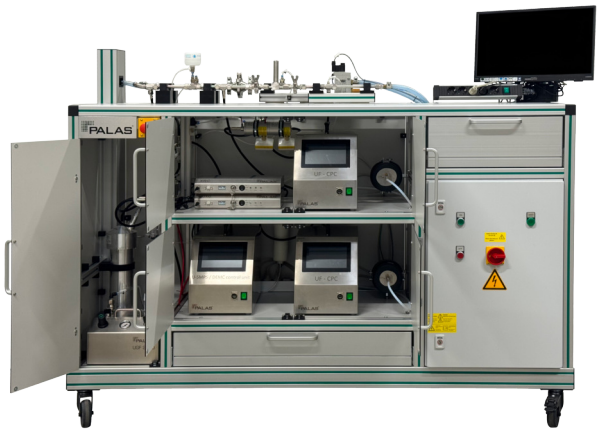
SCFT 4000



The SCFT 4000 consists of two independent test ducts, designed to cover the full range of filter testing requirements for semiconductor applications. Duct 1 enables differential pressure and flow testing at pressures up to 5 bar overpressure. Duct 2 delivers high-precision filter efficiency measurements for particle sizes down to 50 nm — making it suitable for the most demanding ULPA filter applications. Both ducts are designed for quick and easy filter sample exchange.

Benefits

- Quick filter installation
- Automated measurement process
- Various filter types and materials can be tested

Features

- Test of pressure drop vs. air flow
- Test of efficiency by particle size
- Simultaneous measurement with two CPC up- and downstream
- One duct for pressure drop vs. air flow 1 duct for fractional efficiency

Applications

- Semiconductor & Microelectronics: Qualification of HEPA/ULPA filters for cleanroom environments in chip manufacturing
- Pharmaceutical & Biotech: Testing of sterile filters for aseptic processes and cleanroom applications
- Battery & Energy Technology: Filter qualification for the growing demands of lithium-ion battery cell production
- Nanotechnology & Advanced Materials: Filter testing for ultrafine particles in research and production environments
- Medical Devices & Life Sciences: Filter validation for medical-grade and sterile manufacturing environments
- Research & Development: Development and certification of new filter materials and filter media

DATASHEET

Aerosols	NaCl
Volume flow	Duct 1: 0.5 l/min up to 200 l/min; Duct 2: 1 l/min up to 50 l/min
Power supply	115 – 230 V, 50/60 Hz
Carrier/dispersion gas	Compressed air or nitrogen (6-8 bar)
Differential pressure measurement	Duct 1: 0 - 200.000 Pa; Duct 2: 0 - 18.000 Pa
Dimensions	1620• 2,140 • 650 mm (H • B • T)

NORMS AND CERTIFICATES

ISO 29463-3, F38-0720