PRODUCT DATASHEET

Compressed Air Filter Test Rig (ISO 12500)

Oil aerosol, oil vapour, particle and water removal of compressed air filters

Product page





Close-up: compressed air test filter with differential pressure transmitter and downstream measurement

OVERVIEW

The Tech Inc. Compressed Air Filter Test Rig (ISO 12500) tests compressed air filters under pressure the way the ISO 12500 series sets out. Oil aerosol, particles or water are added to compressed air upstream of the filter at a known concentration, and the rig measures what remains downstream along with the pressure drop.

TYPICAL DESIGN DATA

Test methods	ISO 12500 series: oil aerosols, oil vapours, particulates and water
Challenge	Oil aerosol generator, oil vapour, particle and water injection as the part requires
Measurement	Upstream and downstream sampling and measurement for the challenge in use
Codes and standards	ISO 12500 series; CE marking
Results	Removal efficiency, carry-over and pressure drop, with reports
Air supply	From your compressed air system; pressure and flow regulated on the rig
Control	PLC with touch-screen HMI

MODELS AND CAPACITIES

- **TI-CAF-1** – oil aerosol rig
- **TI-CAF-4** – rig covering all four parts

Rigs are built to the filter sizes and the parts of ISO 12500 you test.

ORDERING CODE

Example **TI-CAF-4**: **4** scope: 1 oil aerosol only, 4 all four parts.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** oil vapour, particle and water test packages; compressor package; air heater and chiller for temperature tests; installation, commissioning and operator training.

KEY ADVANTAGES

- **Four parts** – oil aerosol, oil vapour, particles and water
- **Under pressure** – tests at your line pressure
- **Carry-over measured** – downstream measurement for each challenge
- **Pressure drop** – dry and wetted pressure drop logged

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

How to cite: Compressed Air Filter Test Rig (ISO 12500) (Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/compressed-air-filter-testing

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Values are typical and can change; results depend on the filters and media tested, usage and operation in line with the operation manual. Final configuration to client specification.