PRODUCT DATASHEET

Aviation Fuel Filter Qualification Rig (EI 1581)

Laboratory qualification of aviation fuel filter/water separators and filters

Product page





Close-up: test vessel with differential pressure transmitter and downstream sampling

OVERVIEW

The Tech Inc. Aviation Fuel Filter Qualification Rig (EI 1581) is a full-flow test loop for qualifying aviation fuel filtration. Jet fuel circulates through a filter vessel while water and solids are injected upstream in the stages a qualification procedure sets out, and the rig samples the fuel downstream for free water and solids.

TYPICAL DESIGN DATA

Specifications	EI 1581, EI 1590 and EI 1599; test sequence set up to the edition you qualify to
Injection	Water and solids metered upstream; rates set and logged
Sampling	Downstream sampling for free water and solids; online free water detector optional
Codes and standards	EI 1581, EI 1590, EI 1599; CE marking
Test fuel	Jet fuel with the additives the specification calls for; fuel cleaned and dried between tests
Results	Differential pressure, free water and solids downstream for each stage, with a report
Safety	Equipment for flammable fuel: earthing and bonding, area classification to your site, fire protection by others

MODELS AND CAPACITIES

- **TI-AFQ-S** – single-element rig
- **TI-AFQ-V** – rig for full-scale vessels with several elements

Rigs are built to the element sizes and flows you qualify.

ORDERING CODE

Example **TI-AFQ-V**: **V** type: S single element, V full-scale vessel.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** online free water detector; additional vessels for other sizes; fuel conditioning skid; installation, commissioning and operator training.

KEY ADVANTAGES

- **EI specifications** – EI 1581, EI 1590 and EI 1599 test sequences
- **Water and solids** – separate injection systems
- **Full-scale vessels** – loops sized to your elements
- **Fuel kept clean** – clean-up and water removal between tests

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: Aviation Fuel Filter Qualification Rig (EI 1581). Tech Inc., Vaughan, Ontario, Canada. www.techincresearch.com/product-page/aviation-fuel-filter-qualification-rig

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.