PRODUCT DATASHEET

Filter Element Bubble Point Tester (ISO 2942)

Fabrication integrity and first bubble point of filter elements

Product page





Close-up: immersion tank with the element on its drive shaft, and the air pressure panel

OVERVIEW

The Tech Inc. Filter Element Bubble Point Tester (ISO 2942) checks every filter element for fabrication faults before it is packed or tested further. The element is immersed just below the surface of a test liquid and turned slowly on its axis while air pressure inside it is raised.

TYPICAL DESIGN DATA

Test method	ISO 2942:2018, fabrication integrity and first bubble point
Test liquid	The liquid your procedure specifies, at controlled immersion depth
Rotation	Element turned through 360° by the drive at a steady speed
Codes and standards	ISO 2942:2018; CE marking
Air supply	Regulated and filtered compressed air or nitrogen
Results	First bubble point pressure, pass or fail against the set minimum, and the element identity
Construction	Stainless steel immersion tank on a bench frame; separate control cabinet

MODELS AND CAPACITIES

- **TI-BPT-S** – bench tester for small and medium elements
- **TI-BPT-L** – floor-standing tester for large elements

Testers are built to the element sizes you make.

ORDERING CODE

Example **TI-BPT-S**: **S** size: S small and medium, L large elements.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual. **Options:** camera to record each test; bar-code reader for element identity; liquid recovery and filtration; installation, commissioning and operator training.

KEY ADVANTAGES

- **Standard method** – ISO 2942 sequence
- **Quick** – a few minutes per element
- **Records** – bubble point stored for each element
- **Gentle on elements** – controlled pressure rise and immersion depth

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: Filter Element Bubble Point Tester (ISO 2942) (Tech Inc., Vaughan, Ontario, Canada). www.techincresearch.com/product-page/filter-element-bubble-point-tester

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.