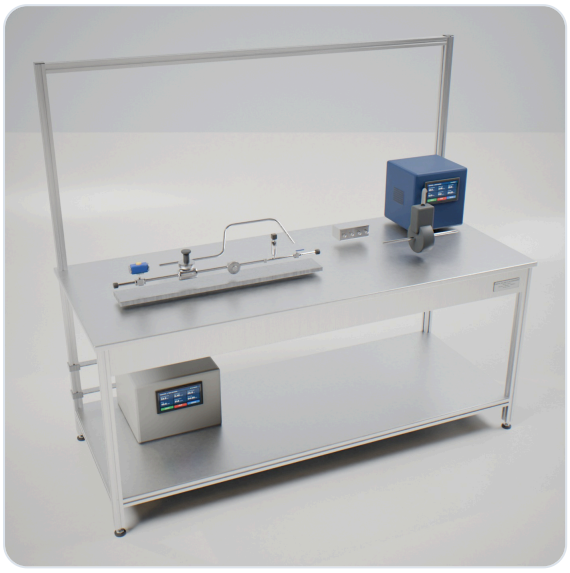
PRODUCT DATASHEET

Orbital-Welded and Helium-Tested Fluid Sub-Assemblies

Build-to-print tube assemblies for analyser, compressor and electrolyser makers

Product page





Close-up: orbital weld and gas stick

OVERVIEW

The Tech Inc. Orbital-Welded and Helium-Tested Fluid Sub-Assemblies supplies equipment makers with finished fluid sub-assemblies built to their drawings: orbital-welded and bent tube runs, manifolds, valve and regulator assemblies and gas sticks. Each assembly is cleaned, helium leak-tested and documented, so the customer fits it into their own product without further work.

TYPICAL DESIGN DATA

Tube	About 1/8 to 1 inch, 316L and nickel alloys
Welding	Orbital TIG with qualified procedures
Leak test	Helium, to the leak rate specified
Codes and standards	Welding to qualified procedures; pressure parts to ASME B31.3 practice
Cleaning	To the customer's cleanliness level
Documentation	Weld records, test certificates and traceability
Volumes	Prototypes to series batches

MODELS AND CAPACITIES

- **TI-OWS-T** – tube assemblies
- **TI-OWS-G** – gas sticks
- **TI-OWS-M** – manifolds
- **TI-OWS-K** – build kits

Indicative work types.

ORDERING CODE

Example **TI-OWS-G**: **G** type: T, M, G or K.

SCOPE OF SUPPLY

Included: factory acceptance test with a written report; drawings for approval, material certificates and manual.
Options: prototype runs; kitting per build; stocking agreements; design for manufacture review.

KEY ADVANTAGES

- **Build to print** – your drawings and specifications
- **Traceable** – weld and test records
- **Tested** – helium leak test on every assembly
- **Scalable** – prototypes to series

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: Orbital-Welded and Helium-Tested Fluid Sub-Assemblies (model TI-OWS). Tech Inc., Vaughan, Ontario, Canada. www.techincresearch.com/product-page/orbital-welded-fluid-subassemblies

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. Data are typical; final design to client specification.