# NitroPurge™

Nitrogen Purging System

Improper purging of coils can produce leaks. And leaks mean lost time and money in scrap and product rework. Nitro-Purge™ helps lower the cost of producing a quality coil by guaranteeing proper Nitrogen purge—each time, every time. NitroPurge™ guarantees each coil is correctly purged with Nitrogen prior to brazing. A computer-controlled sequence of operation eliminates human error—using wrong fixtures, forgetting to hook up Nitrogen, applying incorrect flow-rates, or short-cycling purge times.
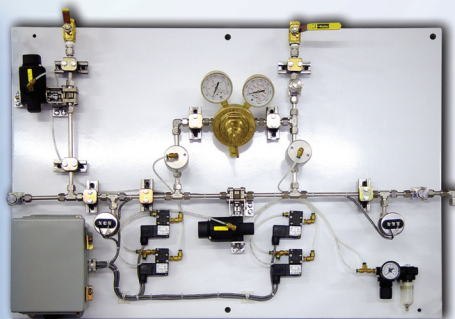
Sequence of Operations:

- Operator scans model number

- Computer retrieves test procedure by model (fixture, flow rate, purge time)

- Computer executes test procedure

- Prompts operator to pick up fixture

- Verifies correct fixture

- Verifies fixture is connected to coil (using ground clip)

- Begins nitrogen purge

- Monitors nitrogen flow rate

- Records nitrogen purge data to database by serial number

- Records pass/fail status to PackOut™ data-base—prohibits cycling at subsequent IPCS modules until passed (for example, Pressure-Check™ or LeakProof™)

Hardware Components:

- Computer with CRT monitor (flat screen or touch-screen also available) in industrial enclosure

- Barcode reader

- Valve board assembly

- Nitrogen flow meter

Capabilities:

- Controls flow rate of nitrogen by model

- Guarantees correct fixture is used for each coil

- Verifies each coil is purged with Nitrogen—at correct flow rate and specified time

- Confirms each fixture is attached to the coil prior to purge sequence using ground clip

- Prohibits autobrazer from cycling if unit has failed NitroPurge™ cycle (when used in con-junction with ECI autobrazer interface)

- Prohibits coils from cycling at individual brazer stations (when used in conjunction with ECI Trace-a-Leak™ system)

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