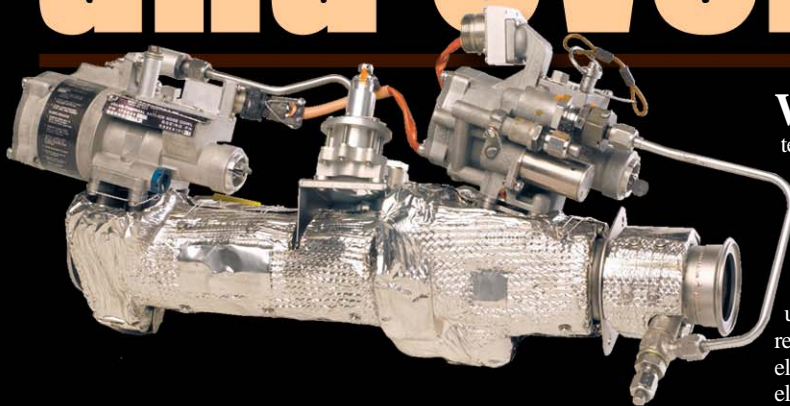


Whittaker Valve Repair and Overhaul



With more than 12,500 sq. ft. dedicated to pneumatic testing, repair, and overhaul - including test cells that can replicate an aircraft's pneumatic systems up to 800°F, 300 PSI, and 150 pounds-per-minute airflow - Derco Repair Services' commercial and military capabilities are second to none.

Though Derco Repair's pneumatic repair capability line-up is constantly expanding, Whittaker anti-ice valves remain a specialty. These valves range from the electromechanically operated JT8 anti-ice valve to the dual element B737 nose-cowl anti-ice valve.

Derco Repair pretests each valve for root cause failures, which verify the customer's reported complaint. If necessary, the valve is disassembled and relevant parts are inspected by dimensional measurement or non-destructive testing. Worn parts are then replaced or repaired.

The most common repairs entail grinding the valve flow bore and/or bearing bores. This procedure ensures a proper seal, which minimizes port leakage. The valve shaft centerline is also aligned with the flow bore to eliminate binding. Each repair is tested to meet CMM requirements.

Derco Repair's pneumatic capabilities include, but are not limited to, air cycle machines, air turbines, starters, anti-ice valves, bleed air regulating valves, check valves, engine bleed valves, flow control valves, load control valves, outflow valves, safety valves, shut-off valves, speed sensing controls, start controls, and temperature control valves.

Derco Repair Services provides worldwide accessory overhaul, repair and sales for more than 3,500 types of hydraulic, mechanical, electromechanical, electrical, and pneumatic system components for commercial and military aircraft.

P/N 320115 P/N 172625-X



DERCO
REPAIR SERVICES, INC.

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For more information about
Whittaker valve repair and other services, contact Repair Sales:
Telephone: (414) 355-7770 • Fax: (414) 355-2648
E-mail: repairsales@derco aerospace.com
www.derco aerospace.com
FAA Repair Station NK5R070N • EASA.145.4389