



TELIDE SHENZHEN HIGH PRESSURE

Integrated Heat Exchanger Test Bench



Detail

Integrated Heat Exchanger Test Bench (Model:TH-100)

I. Applications

Heat exchanger test bench is designed referring to test requirements of CMM manual and foreign equipment manufacturers same kinds of products. It's applied to a comprehensive test for heat exchanger. The test bench is mainly for testing whether heat exchanger can meet operational performance requirement after 737 aircraft heat exchanger cleaning and repairing and also testing whether heat exchanger can meet performance test requirement of heat exchanger, regenerator and condenser for aircraft A319, 767, 787, etc.

II. Main features

- 1.System can do pressure and leakage test for heat exchanger. Gas circuit will be supplied to test pipe after it goes through 5 μ filter to protect test piece.
- 2.Test bench is equipped with Flow-pressure data acquisition system. The system can show and print flow resistance test parameters figure by acquiring flow, temperature and pressure of line.
- 3.Line connected with test bench is stainless steel seamless tubing. No gas leakage in the whole test bench.
- 4.Regulating valve, shut off valve, throttle valve and switch valve are all special valves for aviation. Regulating valves are all with highly flexible adjustment and high sensitivity.
- 5.Flowmeter connecting lines requirements conform to requirements of equipment manufacturers,

which ensures the accuracy of test parameters.

6.Exhaust end of test piece is equipped with DN100 braided hose with metal net protected. The hose is applied to guide gas flow of test piece exhaust. Line end is needed to equip with high flow muffler.

7.End of test piece in high flow circuit is equipped with gas recovery line. Exhaust gas of part of test pieces can vent out from muffler by entering the line to emission line. It helps reduce noise pollution when exhausting gas.

III. Technical parameters

1.Operation mode: Automatic control;

2.Max. output pressure 15.86 bar;

3.Max. Output flow: 310PPM; 4.Test medium: Air;

5.Water tank dimensions(L×W×H): 90×31×31 inch;

6.Parameters test bench needs to test and display:

(1)Line pressure valve (pointer table) (2)Adjusted pressure valve (pointer table)

(3)Overall flow value (data display instrument) (4)Leakage flow value (data display instrument)

(5)Pressure drop value of tested piece (data display instrument)

(6) Air temperature (data display instrument)

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