

Bal Tech, Inc

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CERTIFIED TEST REPORT

**38" I.D. E-Z FLANGE CONNECTOR
DOUBLE WALL POSITIVE PRESSURE LEAK TEST**

**File Number
6423**

prepared for

**SHEET METAL CONNECTORS
5850 MAIN Street N.E.
Minneapolis, MN 55432
Tel.# 800-328-1966
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**Prepared by:
Michael Lawrence Lancette
Certified TAB Supervisor
National Environmental Balancing Bureau
NEBB Certification No. - 2483**

July 9, 2003

STATEMENT OF REPORT

**PROJECT: 38" I.D. E-Z FLANGE CONNECTOR
DOUBLE WALL POSITIVE PRESSURE LEAK TEST**

THE DATA PRESENTED IN THIS REPORT IS AN EXACT RECORD OF SYSTEM PERFORMANCE AND WAS OBTAINED IN ACCORDANCE WITH NEBB STANDARD PROCEDURES. ANY VARIANCES FROM DESIGN QUANTITIES WHICH EXCEED NEBB TOLERANCES ARE NOTED THROUGH OUT THIS REPORT.

THE DISTRIBUTIONS SYSTEMS HAVE BEEN TESTED, BALANCED AND FINAL ADJUSTMENTS HAVE BEEN MADE IN ACCORDANCE WITH NEBB PROCEDURAL STANDARDS FOR TESTING - ADJUSTING - BALANCING OF ENVIRONMENTAL SYSTEMS AND THE PROJECT SPECIFICATIONS.

SUBMITTED & CERTIFIED BY:

**NEBB FIRM: BAL TECH, INC.
SUPERVISOR: MICHAEL LAWRENCE LANCETTE
REG. NO.: 2483**



Bal Tech, Inc.

Air Leakage Test

Project Name:

E-Z FLANGE CONNECTOR
DOUBLE WALL POSITIVE PRESSURE LEAK TEST

3.0" w.c.

40" O.d., 38" I.d.

BTI File Number:

6423

Flow Leakage Test

Test date:	7/9/2003
Size / Type:	40" Round 20 Ga.Galv. Spiral Double Wall (40" o.d., 38" i.d.)
Traverse Joint: / Quantity	E-Z FLANGE / 3
Leakage class per SMACNA leakage classification:	6
Seal class per SMACNA leakage classification:	B
Total duct surface area of the subject duct: Sq. Ft.:	226
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	10.4
Allowable Leakage CFM (Test section)	23.50
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	3.27
Pressure "W.G. Across orifice:	0.0017
Actual leakage C.F.M.: (Test Section)	1.373
Test Performed By:	Michael Lancette

Bal Tech, Inc.

Air Leakage Test

Project Name: E-Z FLANGE CONNECTOR
DOUBLE WALL POSITIVE PRESSURE LEAK TEST
BTI File Number: 6423

6.0" w.c.
40" O.d., 38" I.d.

Flow Leakage Test	
Test date:	7/9/2003
Size / Type:	40" Round 20 Ga.Galv. Spiral Double Wall (40" o.d., 38" i.d.)
Traverse Joint: / Quantity	E-Z FLANGE / 3
Leakage class per SMACNA leakage classification:	3
Seal class per SMACNA leakage classification:	A
Total duct surface area of the subject duct: Sq. Ft.:	226
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	9.6
Allowable Leakage CFM (Test section)	21.70
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	6.625
Pressure "W.G. Across orifice:	0.0059
Actual leakage C.F.M.: (Test Section)	2.558
Test Performed By:	Michael Lancette

Bal Tech, Inc.

Air Leakage Test

Project Name:

E-Z FLANGE CONNECTOR
DOUBLE WALL POSITIVE PRESSURE LEAK TEST

10.0" w.c.

40" O.d., 38" I.d.

BTI File Number:

6423

Flow Leakage Test

Test date:	7/9/2003
Size / Type:	40" Round 20 Ga.Galv. Spiral Double Wall (40" o.d., 38" i.d.)
Traverse Joint: / Quantity	E-Z FLANGE / 3
Leakage class per SMACNA leakage classification:	3
Seal class per SMACNA leakage classification:	A
Total duct surface area of the subject duct: Sq. Ft.:	226
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	13.4
Allowable Leakage CFM (Test section)	30.28
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	10.38
Pressure "W.G. Across orifice:	0.0093
Actual leakage C.F.M.: (Test Section)	3.211
Test Performed By:	Michael Lancette