

# **Bal Tech, Inc**

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## **CERTIFIED TEST REPORT**

### **26" DIAMETER E-Z FLANGE CONNECTOR NEGATIVE PRESSURE LEAK TEST**

**File Number  
6367**

**prepared for**

**SHEET METAL CONNECTORS  
5850 MAIN Street N.E.  
Minneapolis, MN 55432  
Tel.# 800-328-1966  
Fax# 763-572-1100**

**Prepared by:  
Michael Lawrence Lancette  
Certified TAB Supervisor  
National Environmental Balancing Bureau  
NEBB Certification No. - 2483**

**May 9, 2003**

## STATEMENT OF REPORT

**PROJECT:** 26" DIAMETER E-Z FLANGE CONNECTOR  
NEGATIVE 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  
26"Duct/3.0" w.c.

Project Name: E-Z FLANGE CONNECTOR  
NEGATIVE PRESSURE LEAK TEST  
BTI File Number: 6367

<b>Flow Leakage Test</b>	
Test date:	5/9/2003
Size / Type:	26" Round 24 Ga.Galv. Spiral
Traverse Joint: / Quantity	E-Z FLANGE / 2
Leakage class per SMACNA leakage classification:	6
Seal class per SMACNA leakage classification:	B
Total duct surface area of the subject duct: Sq. Ft.:	75.4
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	10.4
Allowable Leakage CFM (Test section)	7.84
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	-3.863
Pressure "W.G. Across orifice:	0.0016
Actual leakage C.F.M.: (Test Section)	1.332
Test Performed By:	Michael Lancette

Bal Tech, Inc.

Air Leakage Test  
26"Duct/6.0" w.c.

Project Name: E-Z FLANGE CONNECTOR  
NEGATIVE PRESSURE LEAK TEST  
BTI File Number: 6367

<b>Flow Leakage Test</b>	
Test date:	5/9/2003
Size / Type:	26" Round 24 Ga.Galv. Spiral
Traverse Joint: / Quantity	E-Z FLANGE / 2
Leakage class per SMACNA leakage classification:	3
Seal class per SMACNA leakage classification:	A
Total duct surface area of the subject duct: Sq. Ft.:	75.4
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	9.6
Allowable Leakage CFM (Test section)	7.24
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	-6.371
Pressure "W.G. Across orifice:	0.0027
Actual leakage C.F.M.: (Test Section)	1.730
Test Performed By:	Michael Lancette

Bal Tech, Inc.

Air Leakage Test  
26"Duct/10.0" w.c.

Project Name: E-Z FLANGE CONNECTOR  
NEGATIVE PRESSURE LEAK TEST  
BTI File Number: 6367

<b>Flow Leakage Test</b>	
Test date:	5/9/2003
Size / Type:	26" Round 24 Ga.Galv. Spiral
Traverse Joint: / Quantity	E-Z FLANGE / 2
Leakage class per SMACNA leakage classification:	3
Seal class per SMACNA leakage classification:	A
Total duct surface area of the subject duct: Sq. Ft.:	75.4
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	13.4
Allowable Leakage CFM (Test section)	10.10
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	-10.09
Pressure "W.G. Across orifice:	0.0064
Actual leakage C.F.M.: (Test Section)	2.664
Test Performed By:	Michael Lancette