

Bal Tech, Inc

700 E. Broadway St. Paul Park, MN 55071 - Phone: (651) 459-2325 Fax: (651) 459-6618
Specialists in BALancing TEChnology of Environmental Systems
Email: mail@Bal-Tech.com Web: http://www.Bal-Tech.com



CERTIFIED TEST REPORT

**12" DIAMETER E-Z FLANGE Jr. 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: 12" DIAMETER E-Z FLANGE Jr. 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
12"Duct/3.0" w.c.

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

Flow Leakage Test	
Test date:	5/9/2003
Size / Type:	12" Round 26 Ga.Galv. Spiral
Traverse Joint: / Quantity	E-Z FLANGE Jr. / 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.:	64.4 95
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	10.4
Allowable Leakage CFM (Test section)	6.70
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	-3.065
Pressure "W.G. Across orifice:	0.002
Actual leakage C.F.M.: (Test Section)	1.489
Test Performed By:	Michael Lancette

Bal Tech, Inc.

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

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

Flow Leakage Test	
Test date:	5/9/2003
Size / Type:	12" Round 26 Ga.Galv. Spiral
Traverse Joint: / Quantity	E-Z FLANGE Jr. / 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.:	64.4
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	9.6
Allowable Leakage CFM (Test section)	6.18
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	-6.22
Pressure "W.G. Across orifice:	0.0035
Actual leakage C.F.M.: (Test Section)	1.970
Test Performed By:	Michael Lancette

Bal Tech, Inc.

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

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

Flow Leakage Test	
Test date:	5/9/2003
Size / Type:	12" Round 26 Ga.Galv. Spiral
Traverse Joint: / Quantity	E-Z FLANGE Jr. / 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.:	64.4
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	13.4
Allowable Leakage CFM (Test section)	8.63
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	-10.42
Pressure "W.G. Across orifice:	0.0079
Actual leakage C.F.M.: (Test Section)	2.960
Test Performed By:	Michael Lancette