

# Bal Tech, Inc

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## CERTIFIED TEST REPORT

**12" DIAMETER E-Z FLANGE JR. CONNECTOR  
with BARREL CLAMP  
POSITIVE PRESSURE LEAK TEST**

**File Number  
6065**

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**

**March 13, 2003**

**STATEMENT OF REPORT**

**PROJECT: 12" DIAMETER E-Z FLANGE JR. CONNECTOR  
with BARREL CLAMP**

**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  
Positive Pressure Leak Test  
BTI File Number: 6065

<b>Flow Leakage Test</b>	
Test date:	3/13/2003
Size / Type:	12" GALV. DUCT
Traverse Joint: / Quantity	E-Z FLANGE Jr. / 4
Leakage class per SMACNA leakage classification:	6
Seal class per SMACNA leakage classification:	B
Total duct surface area of the subject duct: Sq. Ft.:	95
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	10.4
Allowable Leakage CFM (Test section)	9.88
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	3.057
Pressure "W.G. Across orifice:	0.0006
Actual leakage C.F.M.: (Test Section)	0.816
Test Performed By:	Michael Lancette

Bal Tech, Inc.

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

Project Name: E-Z Flange Jr. Connector  
Positive Pressure Leak Test  
BTI File Number: 6065

<b>Flow Leakage Test</b>	
Test date:	3/13/2003
Size / Type:	12" GALV. DUCT
Traverse Joint: / Quantity	E-Z FLANGE Jr. / 4
Leakage class per SMACNA leakage classification:	3
Seal class per SMACNA leakage classification:	A
Total duct surface area of the subject duct: Sq. Ft.:	95
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	9.6
Allowable Leakage CFM (Test section)	9.12
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	6.071
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  
12"Duct/10.0" w.c.

Project Name: E-Z Flange Jr. Connector  
Positive Pressure Leak Test  
BTI File Number: 6065

<b>Flow Leakage Test</b>	
Test date:	3/13/2003
Size / Type:	12" GALV. DUCT
Traverse Joint: / Quantity	E-Z FLANGE Jr. / 4
Leakage class per SMACNA leakage classification:	3
Seal class per SMACNA leakage classification:	A
Total duct surface area of the subject duct: Sq. Ft.:	95
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	13.4
Allowable Leakage CFM (Test section)	12.73
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	10.16
Pressure "W.G. Across orifice:	0.0035
Actual leakage C.F.M.: (Test Section)	1.970
Test Performed By:	Michael Lancette