

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: bti@bal-tech.com Web: www.bal-tech.com

CERTIFIED TEST REPORT

**52" DIAMETER E-Z FLANGE CONNECTOR
with BARREL CLAMP
POSITIVE PRESSURE LEAK TEST**

**File Number
5846**

prepared for

**SHEET METAL CONNECTORS
5850 MAIN Street East
Minneapolis, MN
TEL.# 800-328-1966
FAX # 763-572-1100**

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

11-26-2001

CERTIFICATION

**PROJECT: 52" DIAMETER E-Z FLANGE CONNECTOR
with BARREL CLAMP
POSITIVE PRESSURE LEAK TEST**

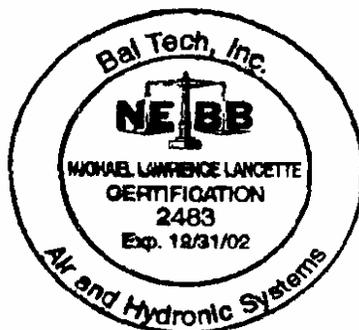
THE DATA PRESENTED IN THIS REPORT IS AN EXACT RECORD OF SYSTEM PERFORMANCE AND WAS OBTAINED IN ACCORDANCE WITH NEBB STANDARD PROCEDURES. ANY VARIANCES FROM DESIGN QUANTITIES WHICH EXCEED NEBB TOLERANCES ARE NOTED THROUGH OUT THIS REPORT.

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
DATE: 11-26-2001**

**NEBB
CERTIFICATION
SEAL**



Bal Tech, Inc.
 Project Name:
 Project Location:
 BTI File Number:

E-Z Flange Leak Test
 Minneapolis, MN
 5846

Air Leakage Test
 52"Duct- 3.0" w.c.

Flow Leakage Test	
Test date:	#####
Size / Type:	52" DIAMETER GALV. SPIRAL PIPE
Traverse Joint: / Quantity	E-Z FLANGE / 5
Leakage class per SMACNA leakage classification:	6
Seal class per SMACNA leakage classification:	B
Total duct surface area of the subject duct: Sq. Ft.:	529
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	10.4
Allowable Leakage CFM (Test section)	55.02
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	3.27
Pressure "W.G. Across orifice:	0.0013
Actual leakage C.F.M.: (Test Section)	1.201
Performed By:	Michael Lancette

Bal Tech, Inc.
 Project Name:
 Project Location:
 BTI File Number:

E-Z Flange Leak Test
 Minneapolis, MN
 5846

Air Leakage Test
 52"Duct- 6.0" w.c.

Flow Leakage Test	
Test date:	#####
Size / Type:	52" DIAMETER GALV. SPIRAL PIPE
Traverse Joint: / Quantity	E-Z FLANGE / 5
Leakage class per SMACNA leakage classification:	3
Seal class per SMACNA leakage classification:	A
Total duct surface area of the subject duct: Sq. Ft.:	529
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	9.6
Allowable Leakage CFM (Test section)	50.78
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	6.12
Pressure "W.G. Across orifice:	0.0067
Actual leakage C.F.M.: (Test Section)	2.726
Performed By:	Michael Lancette

Bal Tech, Inc.
 Project Name:
 Project Location:
 BTI File Number:

E-Z Flange Leak Test
 Minneapolis, MN
 5846

Air Leakage Test
 52"- 10.0" W.C.

Flow Leakage Test	
Test date:	#####
Size / Type:	52" DIAMETER GALV. SPIRAL PIPE
Traverse Joint: / Quantity	E-Z FLANGE / 5
Leakage class per SMACNA leakage classification:	3
Seal class per SMACNA leakage classification:	A
Total duct surface area of the subject duct: Sq. Ft.:	529
Percent of the total system tested:	100%
Allowable Leakage (C.F.M./100 SQ. FT.)	13.4
Allowable Leakage CFM (Test section)	70.89
Calibrated Tube Number:	1029
Tube size:	4"
Pressure "W.G. Test duct::	10.28
Pressure "W.G. Across orifice:	0.0171
Actual leakage C.F.M.: (Test Section)	4.355
Performed By:	Michael Lancette