



**REFRIGERANT RECOVERY/RECYCLING EQUIPMENT  
CERTIFICATION PROGRAM**  
**Program of the Air-Conditioning, Heating and Refrigeration Institute**

**INSPECTION REPORT**

REPORT SERIAL NUMBER: RRRE-11001-1  
INSPECTION STATUS: NO SUBSTANTIVE CHANGES - PASS  
TESTED FOR: AHRI Certification Program for  
Refrigerant Recovery/Recycling Equipment  
2111 Wilson Blvd., Suite 500  
Arlington, VA 22201

UNIT INSPECTED: **BACHARACH INC. (MODEL 3800 STINGER)**  
UNIT SERIAL NUMBER: QS1039TN  
UNIT TYPE: RECOVERY  
REFRIGERANTS: R-134A, R-22 AND R-410A

COMPRESSOR MANUFACTURER: BACHARACH INC.  
COMPRESSOR MODEL: P/N: 2045-0621 (RECIPROCATING OIL-LESS)  
COMPRESSOR SERIAL NO.: 1306053

MOTOR (BELT/DIRECT DRIVE): DIRECT DRIVE, TURDAN INDUSTRY, 4 AMPS, 0.8 HP, 3750 RPM

INLET OIL SEPARATOR TYPE: NONE  
DISCHARGE SEPARATOR TYPE: NONE

CONDENSER TYPE: FINNED TUBE, 2 ROWS, 7"W x 6"H x 1-1/4"D, 3/8" DIA. TUBING  
CONDENSER FAN TYPE: FULLTECH, MODEL UF-12A11, 12 WATTS, 4-1/2" DIA. DUCTED FAN

RECEIVER: NONE

CRO VALVE SETTING/ VERIFIED: NONE, MANUALLY THROTTLED

LABELS: AHRI 740 LABEL, EPA STATEMENT

OTHER COMPONENTS: 1/4" MALE FLARE HOSE CONNECTION PORTS

CONDITION OF UNIT: Unit appears to be new with no observable defects.


DATE INSPECTED: February 3, 2011

INSPECTION PROCEDURE: Certification Program Operational Manual, OM-740 dated March 2000.

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BRANDON BUTTON  
SENIOR ASSOCIATE ENGINEER

REVIEWED BY:   
RAMZI AMAWI  
OPERATIONS/ENGINEERING MANAGER

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**REFRIGERANT RECOVERY/RECYCLING EQUIPMENT  
CERTIFICATION PROGRAM**  
**Program of the Air-Conditioning & Refrigeration Institute**

TEST REPORT

REPORT SERIAL NUMBER: RRRE-05040-1Q  
MANUFACTURER DECISION: QUALIFIER  
TESTED FOR: ARI Certification Program for  
Refrigerant Recovery/Recycling Equipment  
4100 North Fairfax Drive, Suite 200  
Arlington, VA 22203

UNIT TESTED: **BACHARACH INC. (MODEL STINGER 2000-3300)**  
UNIT SERIAL NUMBER: KT1164TN  
UNIT TYPE: RECOVERY  
FEED METHOD: VAPOR, LIQUID, AND PUSH-PULL  
COMPRESSOR TYPE: OIL-LESS RECIPROCATING (BACHARACH INC.)  
COMPRESSOR SERIAL No.: 867622  
OIL SEPARATOR TYPE: NONE  
DRIER TYPE: NONE  
CONDITION OF UNIT: Unit appears to be new with no observable defects.

DATES: 11/15/05 11/11/05 11/30/05  
Selected Received Tested

TEST METHOD: ARI 740-95, ARI 740-98  
ADJUSTMENTS TO METHOD: See Q102, Part 2  
SELECTION PROCEDURE: Certification Program Operational Manual, March 2000

NOTICE: These results only apply to the item described in this report, which shall not be reproduced, except in full, without obtaining prior written approval from Intertek, ETL Semko. No portion of this testing has been subcontracted to other laboratories. All quantified data is traceable to national standards of measurements. The estimated accuracy of these measurements appears in Q102.  
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BRANDON BUTTON  
ENGINEERING TECHNICIAN

REVIEWED BY: ANDY GBUR  
GENERAL MANAGER

<b>REFRIGERANT 134A</b>	UNIT	INITIAL	RESULT	RATING	P/F
40° C Recovery Rate	kg/min.		N/A		Qual.
40° C Recovery Vacuum	kPa		N/A		Qual.
Vapor Recovery Rate	kg/min.		0.10		Qual.
Liquid Recovery Rate	kg/min.		1.21		Qual.
Push/Pull Recovery Rate	kg/min.		4.98		Qual.
Recycle Rate	kg/min.		N/A		Qual.
Final Recovery Vacuum	kPa		<50.53		Qual.
Refrigerant Loss	weight %		N/A		Qual.
Residual Trapped Refrigerant	kg		<0.05		Qual.
Quantity Recycled	kg				
Acidity	ppm				
Chloride	N/A				
High Boiling Residue	volume %				
Moisture	ppm H <sub>2</sub> O				
Non-Condensable Gases	volume %				
Particulate	N/A				

<b>REFRIGERANT 22</b>	UNIT	INITIAL	RESULT	RATING	P/F
40° C Recovery Rate	kg/min.		0.13		Qual.
40° C Recovery Vacuum	kPa		<50.53		Qual.
Vapor Recovery Rate	kg/min.		0.13		Qual.
Liquid Recovery Rate	kg/min.		1.60		Qual.
Push/Pull Recovery Rate	kg/min.		5.58		Qual.
Recycle Rate	kg/min.		N/A		Qual.
Final Recovery Vacuum	kPa		<50.53		Qual.
Refrigerant Loss	weight %		N/A		Qual.
Residual Trapped Refrigerant	kg		<0.05		Qual.
Quantity Recycled	kg				
Acidity	ppm				
Chloride	N/A				
High Boiling Residue	volume %				
Moisture	ppm H <sub>2</sub> O				
Non-Condensable Gases	volume %				
Particulate	N/A				

<b>REFRIGERANT 410A</b>	UNIT	INITIAL	RESULT	RATING	P/F
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40° C Recovery Rate	kg/min.	N/A	Qual.
40° C Recovery Vacuum	kPa	N/A	Qual.
Vapor Recovery Rate	kg/min.	0.10	Qual.
Liquid Recovery Rate	kg/min.	1.37	Qual.
Push/Pull Recovery Rate	kg/min.	6.63	Qual.
Recycle Rate	kg/min.	N/A	Qual.
Final Recovery Vacuum	kPa	<50.53	Qual.
Refrigerant Loss	weight %	N/A	Qual.
Residual Trapped Refrigerant	kg	<0.05	Qual.
Quantity Recycled	kg		
Acidity	ppm		
Chloride	N/A		
High Boiling Residue	volume %		
Moisture	ppm H <sub>2</sub> O		
Non-Condensable Gases	volume %		
Particulate	N/A		