



Glovebox Test Sheet

Form Sheet FS8.6

Edition: 2/1/2007

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Customer: Amedica Corporation

File / Project #: 07-063

Optional Components / Functions (cont.)

Feedthrough	Pass	Fail	N/A
Binding Posts			◆
BNC			◆
Electrical	✓		
Gas/Liquid			◆
Power Strip	✓		
Custom			◆

T-Chamber	Pass	Fail	N/A
Gauges			◆
Manual Purge			◆
Static Vacuum Test			◆

Oven Chamber	Pass	Fail	N/A
Gauges			◆
Manual Purge			◆
Static Vacuum Test			◆
Heat to Temperature			◆
Cooling Loop			◆

Miscellaneous	Pass	Fail	N/A
Data Logging			◆
Internal Box Cooling			◆
Microscope			◆
Pressure Relief Bubbler			◆
Static Eliminator			◆
Other:			◆

L-Chamber	Pass	Fail	N/A
Gauges			◆
Manual Purge			◆
Static Vacuum Test			◆

Gloveport Cover	Pass	Fail	N/A
External			◆
Internal	✓		

Visual Inspection

Components	Pass	Fail	N/A
Blower	✓		
Box Top	✓		
Filter Column	✓		
Vacuum Pump	✓		

General	Pass	Fail	N/A
Cleanliness	✓		
End Panel	✓		
Glare Tape	✓		
Light Hood Hardware	✓		
Overall Appearance	✓		
Overall Project	✓		
Window Bezel	✓		

Labels	Pass	Fail	N/A
Logo	✓		
Serial Number	✓		
System Identification	✓		
Valves / Plugs / Misc.	✓		

Electrical Cabinet	Pass	Fail	N/A
Components	✓		
Ground Connections	✓		

Comments:

Builder:  Wayne Gove

Production Supervisor /

Production Manager:  Scott Hussey

Tested By:  Richard Mannion

Quality Manager: 

Date: 02/01/07
Authorized: Beckie Adams

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Glovebox Test Sheet

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Customer: Amedica Corporation

System Type: Unilab

File/Project #: 07-063

Date Tested: April 6, 2007

Glovebox System Functionality

Pressure Test	Pass	Fail	N/A
Positive	✓		
Negative	✓		

Large Antechamber	Pass	Fail	N/A
Gauges	✓		
Manual Purge	✓		
Static Vacuum Test	✓		

Blower	Pass	Fail	N/A
Frequency Converter			
Leg 1 Current: 1.1 amp	✓		
Leg 2 Current: 1.1 amp			
Leg 3 Current: 1.0 amp	✓		

Operation Mode	Pass	Fail	N/A
Circulation	✓		
Regeneration	✓		
Manual Purge	✓		
Auto Purge			◆
Auto Purge with timer			◆
Box Purge O ₂ Alarm			◆

Atmosphere	Pass	Fail	N/A
Oxygen Level	✓		
Moisture Level			◆

Mini Antechamber	Pass	Fail	N/A
Gauges			◆
Manual Purge			◆
Static Vacuum Test			◆

Standard Components	Pass	Fail	N/A
Box Light	✓		
Foot Pedal	✓		
Gloves	✓		
Touch Screen	✓		

Safety Interlock	Pass	Fail	N/A
VHE Valve	✓		
VHA Valve	✓		

Electronics

Electrical Panel	Pass	Fail	N/A
F3 Breaker	✓		
F4 Breaker	✓		
F5 Breaker			◆
F7 Breaker			◆
F8 Breaker			◆

Power Supply	Pass	Fail	N/A
Main Power	✓		
Oven Power			◆
TFD Power			◆
Column 1 Heater: 2.5 amp	✓		
Column 2 Heater: amp			◆

Optional Components / Functions

Analyzers	Pass	Fail	N/A
Oxygen	✓		
Moisture			◆
Liquid Cell Oxygen			◆
Other:			◆

Vacuum Pump	Pass	Fail	N/A
Ballast Alignment	✓		
Current Draw: 3.78 amp	✓		
Vacuum Pump Power	✓		

Freezer / Coldwell	Pass	Fail	N/A
End Panel Mounted			◆
Backwall Mounted			◆
Floor Mounted Freezer			◆
Coldwell			◆

Solvent/Soot Removal	Pass	Fail	N/A
Internal Charcoal Trap			◆
LMF-II			◆
PA-50			◆

Date: 02/01/07
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Glove Box Gas Flow Diagram

Valves:

VG - gas in

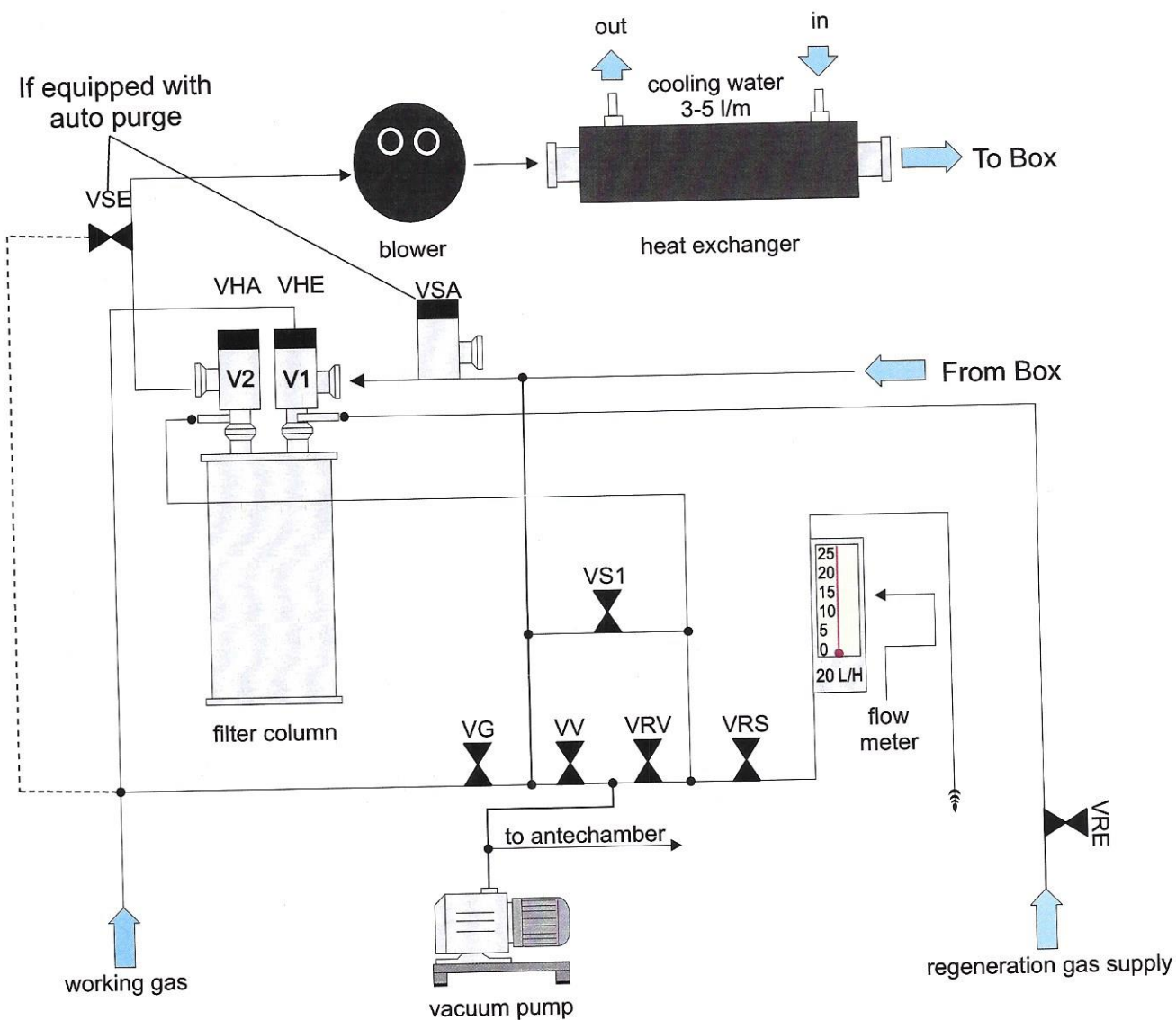
VV - vacuum

VRE - regeneration gas

VRV - regeneration vacuum

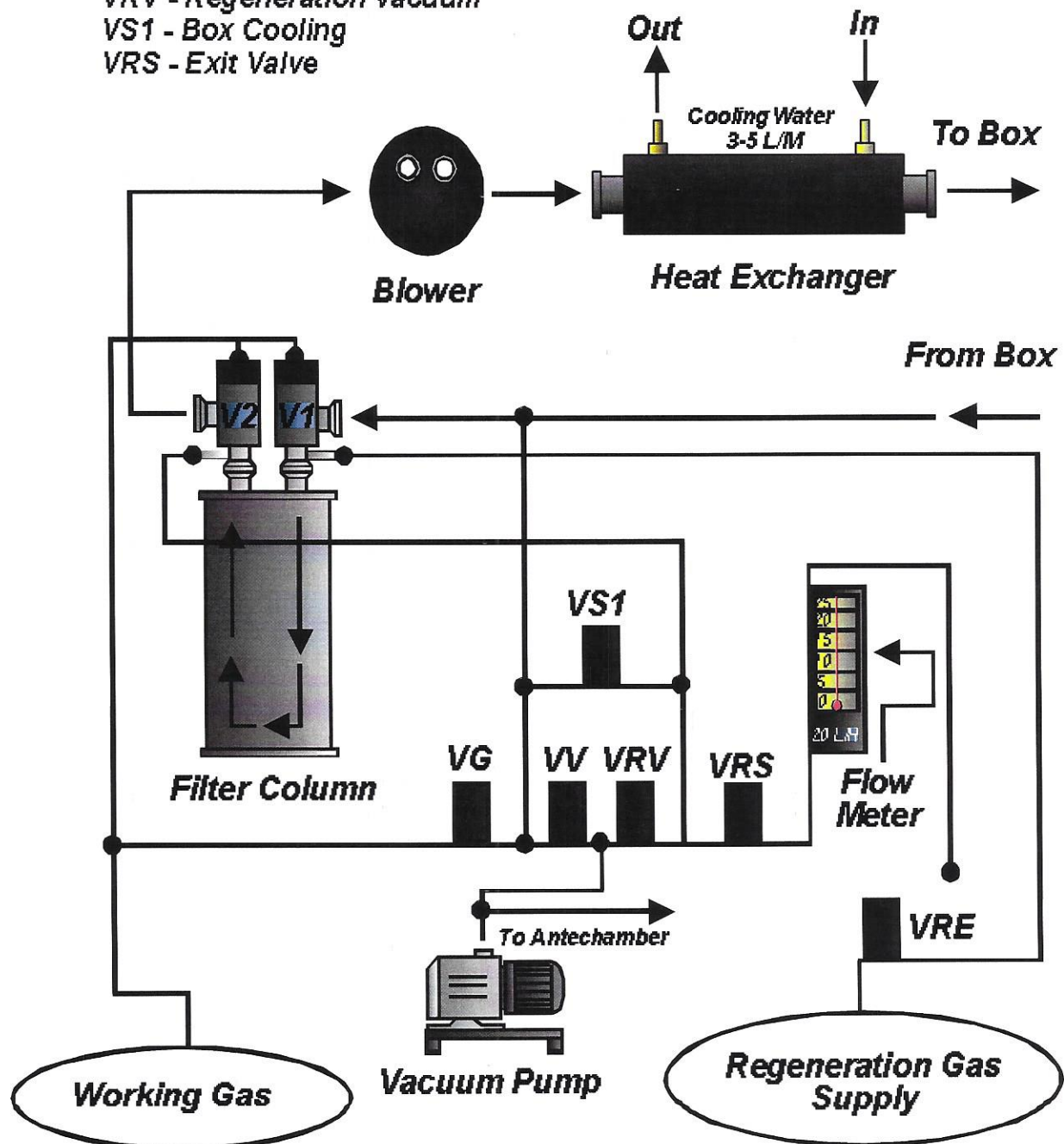
VRS - exit valve

VS1 - pressure compensation / cooling





VRS - Exit Valve



System	Sauerstoffsonde / Oxygen Probe MB-OX-SE1
Artikel-Nr. / Article No.:	6000301
Dokumentation / Documentation	Prüfzertifikat / Calibration Certificate

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Typ: MB-OX-SE1 Meßbereich / Measuring Range 0 – 1000 ppm

Serien-Nr. / Serial No.: 10568

Meßgröße / Measured Variable	Sollwert / Nominal Value	Istwert / Actual Value	Ok
Betriebsspannung / Supply Voltage	24 V +0,5 V	24 V	✓
Heizspannung / Heating Voltage	2,86V / N2 Typ H	2,86 V	
Sensorspannung / Sensor Voltage	0,7 V +- 0,1V	0,7 V	
Meßwert Nullgas / Value for Zero-Gas	0 ppm + 0,5 ppm	0,0 ppm	
Meßwert Prüfgas / Value for Calibration-Gas	106 ppm	106 ppm	

Prüfgas / Calibration-Gas: Prüfgas (Fa.Linde) O2 in Argon mit Prüfzertifikat / O2 in Argon with Analysis Certificate (Linde).

Flaschen-Nr. / Cylinder - No: 1396694

Herstellungsdatum / Preparation date: 01.09.2006

O2 Gehalt / O2- Content : 106 ppm (gemäß Zertifikat / according to Certificate)

Nullgas / Zero-Gas : Argon 7.0 (gemäß Zertifikat / according to Certificate)

Flaschen-Nr. / Cylinder - No: 3746299

Herstellungsdatum / Preparation date: 15.07.2005

Die Sonde entspricht den Anforderungen / The Probe has been found to be within the specifications.

Geprüft am / Tested (date) : 14.11.2006

Prüfer / Tested (Signature) : _____

Nächste Kalibrierung am / Next calibration (Date) : 14.11.2007


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