creo

DVD
Startup Test Record

DVD Serial No: _____

Configuration: N.A. ____Europe _____

Checks Completed By:_____

Completed Date: _____

1. PRE-POWER CHECKS

_____1. Wiring diagram is applied to inside of DVD cover

1.1 DVD Wiring Checks

_____1. All internal cabling is checked against drawing on inside of cover
_____2. All internal cabling is tightened to connectors and ground points
_____3. All wiring passes "TUG" test

1.2 DVD Ground Checks

_____4. Chassis to ground terminal TB1 (top one)
_____5. Chassis to ground terminal TB2 (bottom one)
_____6. Chassis to line filter body

2. DVD DIELECTRIC STRENGTH AND GROUNDING TESTS

2.1 Dielectric Strength Test - DVD Power Input

_____1. **DVD Power switch turned on**
_____2. Resistance between DVD chassis and ground terminal of Dielectric Strength tester less than **0.5 ohms**
_____3. Dielectric Strength Test passed with **2818 Vdc** for 5 seconds

3. DVD/DVP POWER STARTUP

3.1 AC Power Test

_____1. Resistance between DVD chassis and DVP chassis less than **1.0 ohms**
_____2. Production DVD Cover (with cut out) installed
_____3. Liquid Crystal Display (LCD) comes on when power applied

3.2 Programming the DVD Inverter

_____4. DVD is programmed as per document 709-00268A

3.3 Verifying Drum Vacuum System: Manual Operation

_____5. Drum Vacuum Pump intake is unblocked
_____6. Drum Vacuum Pump exhaust (muffler) is unblocked
_____7. Drum Vacuum Pump reaches specified manual speed (frequency = 60 Hz)
_____8. DVD cooling fan draws air into DVD
_____9. Drum Vacuum Pump creates vacuum (manual operation)
_____10. Drum Vacuum Pump cooling blower (EBM fan) is functional and moving air in the correct direction

3.4 Verifying System Operation: ThermoFlex

_____11. Cable is detected
_____12. System starts with "DRUMVAC ON”
_____13. Vacuum pump runs at increasing speed for 6.5, 7.5 and 8.5 “Hg
_____14. System stops with "DRUMVAC OFF”

4. FINAL CHECKS

4.1 Labels

_____1. All labels have been applied (see Appendix A)
_____2. Labels on top of DVD chassis are oriented correctly

4.2 Final Adjustments

_____3. Deliverable DVD front cover installed
_____4. Hole for mounting cable to DVP has no sharp edges
_____5. Bottom of DVD chassis is clean of debris

5. COMMENTS

APPENDIX A – LABEL LIST

VLF THERMOFLEX SAFETY AND MACHINERY DIRECTIVE LABEL LIST

√ N/A	LABEL	QTY	TEXT/SYMBOL/COMPONENT	LOCATION
	74-3065	1	High Leakage Current	Top of DVD chassis, facing forward
	382-01121A	1	DVP Serial Number: All regions	Top of DVD chassis, text viewable from front
	74-3014B	1	CSA Mark (C-US)	Top of DVD chassis, facing forward
	74-3012A	2	Ground Symbol	Inside DVD chassis, Left of TB1 (1), Left of TB2 (1)
	74-3243A	1	Input Terms, CSA Cont	Inside DVD chassis, above input power switch
	74-3244A	1	Fuse, CSA Cont	Inside DVD chassis, to right of fuse block
	382-00692A	1	Installation Wiring Diagram	Inside DVD front cover