



certified vacuum pump and blower repair



FMG Certified™ Program

Pumps, Maintenance, Management, Conversions

For engineers, technicians, scientists and purchasing professionals who must have the most reliable vacuum pumps, the FMG Certified™ Program provides the highest quality in rebuild products and services.

Unlike alternatives from other pump rebuilders, the FMG Certified™ Program assures that you'll get products as good as, or better than new. And, it's backed by a superior warranty because FMG always goes the extra mile.

FMG Certified™ Program is a validation process of the technical competencies and expertise needed to plan, deploy, support and service FMG's pumps. The Program is structured with certification and emphasis on precision, reliability, durability and performance. We are confident that each Rebuild Pump that leaves FMG has been thoroughly inspected by our factory certified technicians and backed by our certification process.

Since 1985, FMG has been building, and servicing tens of thousands of pumps for professionals from the smallest to the world's largest users of vacuum process systems. Our commitment is to keep your team focused on productivity and breakthroughs. FMG is the Gold Standard for Rebuild Pumps because FMG pumps work right the first time – every time.

FMG Certified™ Program:

- Procedure of Rebuild: FMG has developed its own internal disassembly, cleaning, reliability, testing, detailing and shipping.
- Technicians: Our technicians are FMG and/or factory trained and certified on each pump type.
- Documentation: Disassembly, evaluation, build sheet, data sheet, final assembly sheet. Test and Quality Assurance sheet, Paint QA and shipping documentation are recorded.
- Pump Tracking: FMG's own internal database monitors incoming rebuilds in every stage of the rebuild process.

Features:

- Up to 300+ point inspection depending on pump type
- Electrical/Module/Software
- Mechanical and Electronic Parameters
- Perform Vacuum Integrity Leak Check Beyond OEM Specs
- 24-36 Hr. Performance Burn-In Reliability Checks
- Final Inspection Check for Quality Assurance

Advantages:

- Foresee potential problem areas before any occurrences may arise
- Extends pump life, positively affects bottom line with reduced numbers of pump rebuilds or purchases
- Maximize overall equipment uptime for production
- Cost savings
- Statement of work performed

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FMG DRY PUMP TEST AND QUALITY CONTROL

Customer Name: FMG SAMPLE
 Address I: 1234 STURGEON CT. SUITE 100
 Address II: _____
 City: ARLINGTON State: TX
 Zip Code: 76010
 Phone Number: 817-478-0790

Attention: Manager
 Requestor: JOE SMITH
 Department: ENR RESEARCH
 P.O. Number: _____
 Pump Model #: 120580
 Blower Model: 248500
 Blower Serial: 123456

PUMPING SPEED TEST USING 100 LITER VESSEL

Minutes 01	_____	Millibar
Minutes 02	_____	Millibar
Minutes 03	_____	Millibar
Minutes 04	_____	Millibar
Minutes 05	_____	Millibar
Minutes 06	_____	Millibar
Minutes 07	_____	Millibar
Minutes 08	_____	Millibar
Minutes 09	_____	Millibar
Minutes 10	_____	Millibar

NO-OIL LOAD TEST

2.5 LPM 0	_____	Torr	175 SCCM	110	Millibar
5 LPM 2.0	_____	Torr	200 SCCM	240	Millibar
10 LPM 2	_____	Torr	250 SCCM	270	Millibar
15 LPM 2	_____	Torr	300 SCCM	340	Millibar

Base Pressure: 7 Millibar
 Leak Test Results: 0.10%
 Leak Test Name: FORM H

SAFETY INTERLOCK TEST RESULTS

NO Flow	_____	Pass/Fail
Water Flow	_____	Pass/Fail
Temp Snap Switches	_____	Pass/Fail
Auxiliary Flow	_____	Pass/Fail
Thermistor, Motor, Pump	_____	Pass/Fail
Thermistor, Motor, Blower	_____	Pass/Fail
Exhaust Pressure	_____	Pass/Fail
EMO Button Test	_____	Pass/Fail
EMO Plug Test	_____	Pass/Fail

MONITORED PARAMETERS ALARM TEST

Power, Pump/Motor	_____	Pass/Fail
Power, Blower/Motor	_____	Pass/Fail
Shaft Seal Pump	_____	Pass/Fail
Final Stage Flow	_____	Pass/Fail
Auxiliary Flow	_____	Pass/Fail
Exhaust Pressure	_____	Pass/Fail
Pump Temperature	_____	Pass/Fail
Motor Temperature	_____	Pass/Fail
Motor Voltage	_____	Pass/Fail

FINAL QUALITY CONTROL

- Accessories Rebuilt (Per PIV Log)
- Instructions Complete
- Labels Attached Clear and Legible
- Serial Number Plate Attached Clear Legible
- Oil Installed
- Oil Levels Confirmed
- Quantity of Paint
- Electrical Cord Strain Relief Inspected
- Overall Appearance
- Shipping Plug Attached

PLEASE CALL OUR SERVICE DEPARTMENT IF YOU HAVE ANY QUESTIONS REGARDING TEST DATA SPECIFICATIONS

