OMNIcheck SCBA TESTER PACKAGE

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BACKGROUND

The Volk Field Fire Department requires a comprehensive, NFPA-compliant Self-Contained Breathing Apparatus (SCBA) Flow Tester package configured specifically for the MSA G1 SCBA platform. Modern emergency response operations rely on SCBA units as the primary means of respiratory protection in Immediately Dangerous to Life or Health (IDLH) environments, making the ability to verify their performance a critical life-safety function. A dedicated flow-testing system provides the capability to conduct certified evaluations of pressure integrity, airflow delivery, and overall SCBA functionality in accordance with national standards. Without this capability, the department cannot ensure that issued respiratory equipment meets required operational thresholds prior to fielding. Procuring this system directly enhances mission readiness, regulatory compliance, and responder safety by ensuring every MSA G1 SCBA used on the installation is fully operational, properly calibrated, and safe for deployment during emergency incidents. This acquisition therefore represents an essential investment in sustaining reliable protective equipment for all personnel supporting base emergency response operations.

SCBA FLOW TESTER PACKAGE – REQUIREMENTS AND DESCRIPTIONS

1 Each - OMNIcheck Complete Package - A full NFPA-compliant SCBA flow-testing system configured for Foster, Straight, MSA NFPA, and CGA connections. This unit provides automated performance testing, calibration, and certification capabilities for the MSA G1 SCBA platform.

1 Each - High-Pressure Hose (6000 PSI) - A 6000-PSI-rated high-pressure hose compatible with the OMNIcheck system, enabling safe connection to SCBA cylinders during flow testing and ensuring accurate pressure delivery throughout the test cycle.

1 Each - SCBA Test Stand - A dedicated test stand designed to securely hold MSA G1 SCBA units during evaluation. The stand stabilizes the SCBA to ensure consistent, repeatable measurements and safe operation during high-pressure testing.

1 Each - RFID Reader (Read-Only) - A read-only RFID device used to scan and identify MSA G1 SCBA components. This supports automated recordkeeping, asset tracking, and test-result association for each individual SCBA unit.

1 Each - Quick Coupling Assembly - A Female Foster to Male UEBSS adapter assembly that allows rapid, secure connection between the OMNIcheck tester and the MSA G1 Universal Emergency Breathing Safety System (UEBSS) for functional evaluation.

1 Each - Go-Live Virtual Support - Remote onboarding assistance provided by the vendor to ensure proper installation, configuration, and initial operation of the OMNIcheck system, including user guidance and troubleshooting during setup.

1 Each - Dedicated Laptop - A laptop used exclusively for operating the SCBA flow-testing software. It must meet or exceed the following minimum specifications:

- 16 GB RAM
- Solid-State Drive (SSD)
- 11th-Generation Intel i3 processor or better
- At least two USB ports
- Windows 11 Pro
- Wi-Fi capable These specifications ensure reliable performance, compatibility with testing software, and secure data handling.