

NIOSH CERTIFIED EQUIPMENT LIST

AS OF SEPTEMBER 30, 1993

**U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Centers for Disease Control and Prevention
National Institute for Occupational Safety and Health**

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Abstract

The National Institute for Occupational Safety and Health, under authorization of the Federal Mine Safety and Health Act of 1977 and the Occupational Safety and Health Act of 1970, provides a testing, approval, and certification program assuring commercial availability of safe personal protective devices and reliable industrial hazard measuring instruments. NIOSH develops improved performance regulations, tests and certifies (or approves) devices, and purchases approved and certified products on the open market to verify the quality of manufacture.

This publication (a) lists products certified as of September 30, 1993, (b) contains tables of useful information concerning certified coal mine dust personal sampler units and respirators, (c) updates the lists of approval applicants, and (d) lists some of the more common cautions and limitations for specific respirator classes.

Changes to the NIOSH Certified Equipment List

Since the previous edition of the NIOSH Certified Equipment List was published (December 31, 1991), several modifications have been made to the format. These modifications include the elimination of all model numbers, hose lengths, and pressure ranges for all supplied-air respirators and respirators in combination with a supplied-air respirator. Model numbers were eliminated due to their limited utility since most manufacturers utilize their own numbering system. Therefore, a respirator user could not use the model numbers listed in the NIOSH Certified Equipment List for ordering a respirator. In addition, model numbers do not appear on the respirator assembly and therefore, could not be used to determine whether a particular respirator is certified. Hose lengths and pressure ranges were eliminated out of concern that the user may rely solely upon this Certified Equipment List instead of the approval label for this critical information. Because of modifications made from time-to-time by the respirator manufacturer, all respirators with the same certification number may not have the same pressure requirements and hose length options. Currently the only accurate source of the pressure ranges and hose lengths is the NIOSH approval label and the users instruction manual.

For future editions of the Certified Equipment List, NIOSH is considering distribution by electronic means. Some means being considered are computer bulletin boards, CD-ROM, and on floppy disks. If you have comments, suggestions, or a preference for the type of electronic distribution, please write to:

Chief, Certification and Quality Assurance Branch
Division of Safety Research
National Institute for Occupational Safety and Health
944 Chestnut Ridge Road
Morgantown, WV 26505-2888

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INTRODUCTION

The Certification and Quality Assurance Branch (CQAB), Division of Safety Research (DSR), National Institute for Occupational Safety and Health (NIOSH), located at 944 Chestnut Ridge Road, Morgantown, West Virginia 26505, was established to assure that certain devices and instruments used for control and evaluation of occupational hazards meet minimum performance requirements necessary to protect workers' health and safety. The functions of the CQAB include: (1) publish certification requirements, (2) test and certify products meeting those requirements, (3) publish lists of certified products, (4) audit manufacturers plants to determine the acceptability of their quality assurance programs, (5) sample products from the open market and test them for continued conformance to certification requirements, and (6) perform research on development of new test methods and requirements for product improvement, where necessary to assure worker protection.

This publication replaces previous lists of devices certified by NIOSH or by NIOSH and the Mine Safety and Health Administration. It does not list any devices formerly approved by the Bureau of Mines.

Certification applicants have voluntarily withdrawn certain products from the market. This withdrawal is for a variety of reasons, and replacement parts for these products may or may not be available.

Other products are currently not being sold. The status of this withdrawal, the availability of parts, and sale of other products is subject to change.

These products are, therefore, not listed in this publication. NIOSH advises interested persons to call (304/284-5713) or write the CQAB and request available information on certified products that are not listed in this publication.

Respirators are listed by approval class. General cautions and limitations are listed for each approval class. These limitations are by no means all inclusive. The respirator manufacturer may also identify further limitations or cautions for their respirators. In addition, regulatory agencies may also place a limit on the use of respirators in their standards.

Except as it purchases equipment and supplies on the open market for quality control testing, NIOSH does not have frequent internal use for personal protective equipment. It therefore welcomes information from the user concerning NIOSH certified equipment. These comments and suggestions, responses to this publication, and requests for additional information on certified products can be sent to the Chief, Certification and Quality Assurance Branch, Division of Safety Research, NIOSH, 944 Chestnut Ridge Road, Morgantown, West Virginia 26505.

I. Coal Mine Personal Sampler Units

COAL MINE DUST PERSONAL SAMPLER UNITS

I. Certification of Coal Mine Dust Personal Sampler Units.

A coal mine dust personal sampler unit (CMDPSU) consists of a pump, a charger, and a sampling head with a 10 mm nylon cyclone and a preweighed sealed filter cassette. It is used--as a unit--for collecting the mandatory coal mine atmosphere samples as required under the Federal Mine Safety and Health Act of 1977. The sampling requirements are detailed in Title 30, Part 70 of the Code of Federal Regulations.

All certified CMDPSU's must have prior approval by the Mine Safety and Health Administration, Department of Labor, to meet the 2G-2239 Electrical Permissibility requirements. The performance of the CMDPSU's is certified by NIOSH under Title 30, Part 74 of the Code of Federal Regulations. As of December 31, 1990, the following CMDPSU's are certified by NIOSH:

<u>CERTIFICATION NUMBER</u>	<u>CERTIFICATE HOLDER</u>	<u>MODEL</u>
TC-74-015	MSA	G
TC-74-028	MSA	G (tamperproof cassette)
TC-74-029	MSA	1 (Flow-lite)

NAMES AND ADDRESSES OF MANUFACTURERS AND DISTRIBUTORS

Mine Safety Appliances Company
P.O. Box 439
Pittsburgh, PA 15230