

CUMULATIVE SUPPLEMENT TO
JULY 1974 EDITION OF
NIOSH CERTIFIED PERSONAL PROTECTIVE EQUIPMENT

JANUARY 1975

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Center for Disease Control
National Institute for Occupational Safety and Health
Morgantown, West Virginia 26505

CTL030502

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PREFACE

This cumulative supplement to the July 1974 publication, NIOSH CERTIFIED PERSONAL PROTECTIVE EQUIPMENT, lists approvals and certifications issued between July 18, 1974, and January 24, 1975.

A new table has been added, describing the pressure range and hose length range for each approved supplied-air respirator.

Reprints of amendments to respirator approval regulations appear at the end of this supplement. These amendments postponed the effective date for expiration of Bureau of Mines respirator approvals and provided for approval of vinyl chloride respirators.

Since NIOSH is not a major purchaser or user of Personal Protective Equipment, it welcomes information from the user concerning NIOSH certified or approved equipment. These comments and suggestions, comments on this publication and requests for additional information on certified equipment can be sent to the Director, Testing and Certification Laboratory, National Institute for Occupational Safety and Health, 944 Chestnut Ridge Road, Morgantown, West Virginia 26505.

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I. COAL MINE DUST PERSONAL SAMPLER UNITS

The following coal mine dust personal sampler unit has been approved by the U.S. Department of Health, Education, and Welfare, National Institute for Occupational Safety and Health, since July 18, 1974.

6. Bendix Model C-115. Approval TC-74-017, issued to Bendix Corp., September 17, 1974.

II. GAS DETECTOR TUBE UNITS

The following gas detector tube units have been approved by the National Institute for Occupational Safety and Health since July 18, 1974:

- A. MSA [®] Model 83499 Universal Sampling Pump has been certified for use with
 5. Nitrogen dioxide - Model 83099 gas detector tube, TC-84-040, October 29, 1974.
 6. Chlorine - Model 460225 gas detector tube, TC-84-042, November 12, 1974.
 7. Sulfur dioxide - Model 92623 gas detector tube, TC-84-046, January 15, 1975.
- B. Gastec Model 400 Aspirating Pump (Bendix PN 2417535) has been certified for use with
 8. Trichloroethylene - Model 132H gas detector tube, TC-84-038, August 9, 1974.
 9. Chlorine - Model 8La gas detector tube, TC-84-041, November 12, 1974.
 10. Benzene - Model 121 gas detector tube, TC-84-043, December 6, 1974.
- C. Drager Bellows Pump Model 31 has been certified for use with
 8. Trichloroethylene - Model CH 24401 (10/a) gas detector tube, TC-84-039, October 1, 1974.
 9. Benzene - Model 67 26641 (5/b) gas detector tube, TC-84-044, December 6, 1974.

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- D. Kitagawa Model 400 Aspirating Pump (Matheson PN 8014-400) has been certified for use with
8. Hydrogen sulfide - Model 120b gas detector tube, TC-84-037, July 23, 1974.
9. Carbon monoxide - Model 100 gas detector tube, TC-84-045, January 15, 1975.

III. RESPIRATORY PROTECTIVE DEVICES

The following respiratory protective devices have been approved by the U.S. Department of the Interior, Mining Enforcement and Safety Administration, and the U.S. Department of Health, Education, and Welfare, National Institute for Occupational Safety and Health, since July 19, 1974.

Self-Contained Breathing Apparatus

18. SurvivAir[®] part numbers 9038-00, 9038-02, 9838-00, and 9838-02 demand-type one half hour compressed-air self-contained breathing apparatus. Approval TC-13F-44, issued to SurvivAir Div., U.S. Divers Co., August 30, 1974.
19. SurvivAir[®] part numbers 9038-20, 9038-22, 9838-20, and 9838-22 pressure demand-type one-half hour compressed-air self-contained breathing apparatus. Approval TC-13F-45, issued to SurvivAir Div., U.S. Divers Co., August 30, 1974.
20. MSA[®] part numbers 457150, 95061, 457151, and 95068 demand-type 15 minute compressed-air self-contained breathing apparatus. Approval TC-13F-46, issued to Mine Safety Appliances Co., January 10, 1975.
21. MSA[®] part numbers 95063 and 460262 pressure-demand type 15 minute compressed-air self-contained breathing apparatus. Approval TC-13F-47, issued to Mine Safety Appliances Co., January 10, 1975.

Gas Masks

3. MSA[®] part numbers 461481, 461482, 461483, 461484, 461485, and 461486 gas masks (with part number 461480 canister) for respiratory protection against vinyl chloride. Approval TC-14G-84, issued to Mine Safety Appliances Co., December 30, 1974.
4. Scott part numbers 601211-17 and 601221-17 gas masks (with part number 084-VCL canister) for respiratory protection against vinyl chloride. Approval TC-14G-85, issued to Scott Aviation, December 30, 1974.

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5. Welsh part numbers 7820, 7820S, 7829, and 7829S gas masks (with part number 7800-2VC(TC-14G-91) canister) for respiratory protection against vinyl chloride. Approval TC-14G-91, issued to Welsh, A Textron Company, January 17, 1975.

Supplied-Air Respirators

9. Scott catalog numbers 4616-11, -12, -15, -21, -22, and -25; and 4622-11, -12, -15, -21, -22, and -25 supplied-air respirators (Type C continuous-flow type) with 4266-15, 4265-25, and 4264-50 air supply hose. Approval TC-19C-71, issued to Scott Aviation, August 20, 1974.

10. Scott catalog numbers 4616-18, -19, -28, and -29; and 4622-18, -19, -28, and -29 supplied-air respirators (Type C continuous-flow type) with 4259-15, 4258-25, and 4257-50 air supply hose. Approval TC-19C-72, issued to Scott Aviation, August 20, 1974.

11. Scott part number 802230 supplied-air respirator (Type C demand and continuous flow type). Approval TC-19C-73, issued to Scott Aviation, November 26, 1974.

12. Scott part number 801548 supplied-air respirator (Type C pressure-demand type). Approval TC-19C-74, issued to Scott Aviation, November 26, 1974.

Dust, Fume, and Mist Respirators

16. A.O. R1050 single-use respirator for respiratory protection against pneumoconiosis and fibrosis-producing dusts. Approval TC-21C-147, issued to American Optical Corp., August 14, 1974.

17. Safeline 5350 single-use respirator for respiratory protection against pneumoconiosis and fibrosis-producing dusts. Approval TC-21C-148, issued to Safeline Products, August 14, 1974.

18. Scott part numbers 662-1 and 662-2 respirators (with 502-R filter) for respiratory protection against dusts, fumes, and mists having a time-weighted average less than 0.05 mg/M^3 , and radionuclides. Approval TC-21C-149, issued to Scott Aviation, August 20, 1974.

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19. MSA ^(R) part numbers 88479 and 457117 respirators (with part number 88480 filter) for respiratory protection against dusts, fumes, and mists having a time-weighted average less than 0.05 mg/M³, and radionuclides. Approval TC-21C-150, issued to Mine Safety Appliances Co., September 9, 1974.

20. Welsh 7506 respirator (with 7500-6 filters) for respiratory protection against dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf and asbestos-containing dusts and mists. Approval TC-21C-151, issued to Welsh, A Textron Co., September 11, 1974.

21. Welsh 7580 respirator (with 7500-8 filters) for respiratory protection against dusts, fumes, and mists having a time-weighted average less than 0.05 mg/M³, and radionuclides. Approval TC-21C-152, issued to Welsh, A Textron Co., September 11, 1974.

22. Welsh 7406 L respirator (with 7400-6 filter) for respiratory protection against dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf and asbestos-containing dusts and mists. Approval TC-21C-153, issued to Welsh, A Textron Co., September 23, 1974.

23. Cover 1482 respirator (with F100 filters) for respiratory protection against dusts having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf. Approval TC-21C-154, issued to H. S. Cover Co., November 26, 1974.

Chemical-Cartridge Respirators

21. A.O. R5052 respirator (with R52 cartridges) for respiratory protection against not more than 10 parts per million chlorine, 50 parts per million hydrogen chloride, and 50 parts per million sulfur dioxide. Approval TC-23C-60, issued to American Optical Corp., August 14, 1974.

22. A.O. R6052 respirator (with R52 cartridges) for respiratory protection against not more than 10 parts per million chlorine, 50 parts per million hydrogen chloride, and 50 parts per million sulfur dioxide. Approval TC-23C-61, issued to American Optical Corp., August 14, 1974.

23. Safeline 5221 respirator (with 5963 cartridges) for respiratory protection against not more than 10 parts per million chlorine, 50 parts per million hydrogen chloride, and 50 parts per million sulfur dioxide. Approval TC-23C-62, issued to Safeline Products, August 14, 1974.

24. Welsh 7504 respirator (with 7500-4 cartridges) for respiratory protection against not more than 300 parts per million of ammonia. Approval TC-23C-63, issued to Welsh, A Textron Co., September 11, 1974.

25. Welsh 7514 respirator (with 7500-4 cartridges and 7500-6 filters) for respiratory protection against not more than 300 parts per million of ammonia, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-64, issued to Welsh, A Textron Co., September 11, 1974.

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26. Welsh 7503 respirator (with 7500-3 cartridges) for respiratory protection against not more than 1,000 parts per million organic vapors, 10 parts per million chlorine, 50 parts per million hydrogen chloride, or 50 parts per million sulfur dioxide. Approval TC-23C-65, issued to Welsh, A Textron Co., September 11, 1974.

27. Welsh 7513 respirator (with 7500-3 cartridges and 7500-6 filters) for respiratory protection against not more than 1,000 parts per million organic vapors, 10 parts per million chlorine, 50 parts per million hydrogen chloride, or 50 parts per million sulfur dioxide, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-66, issued to Welsh, A Textron Co., September 11, 1974.

28. Willson 1222 respirator (with R22 cartridges) for respiratory protection against not more than 10 parts per million chlorine. Approval TC-23C-67, issued to Willson Products Div., ESB Inc., September 11, 1974.

29. Willson 122210 respirator (with R22 cartridges and R10 filters) for respiratory protection against not more than 10 parts per million chlorine, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-68, issued to Willson Products Div., ESB Inc., September 11, 1974.

30. Willson 1223 respirator (with R23 cartridges) for respiratory protection against not more than 50 parts per million sulfur dioxide. Approval TC-23C-69, issued to Willson Products Div., ESB Inc., September 11, 1974.

31. Willson 1224 respirator (with R24 cartridges) for respiratory protection against not more than 300 parts per million ammonia or 100 parts per million methyl amine. Approval TC-23C-70, issued to Willson Products Div., ESB Inc., September 11, 1974.

32. Willson 122410 respirator (with R24 cartridges and R10 filters) for respiratory protection against not more than 300 parts per million ammonia, 100 parts per million methyl amine, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-71, issued to Willson Products Div., ESB Inc., September 11, 1974.

33. Willson 122310 respirator (with R23 cartridges and R10 filters) for respiratory protection against not more than 50 parts per million sulfur dioxide, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-72, issued to Willson Products Div., ESB Inc., September 11, 1974.

34. Welsh 7511 respirator (with 7500-1 cartridges and 7500-6 filters) for respiratory protection against not more than 1,000 parts per million organic vapors, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-73, issued to Welsh, A Textron Co., September 11, 1974.

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35. Welsh 7549 respirator (with 7500-21 cartridges and 7500-23 filters) for respiratory protection against pesticides. Approval TC-23C-74; issued to Welsh, A Textron Co., September 23, 1974.

36. Welsh 7531 respirator (with 7500-1 cartridges and 7500-10 filters) for respiratory protection against organic vapors and paint, lacquer, and enamel mists. Approval TC-23C-75, issued to Welsh, A Textron Co., September 23, 1974.

37. Willson 1225 respirator (with R25 cartridges) for respiratory protection against not more than 10 parts per million chlorine, 50 parts per million hydrogen chloride, or 50 parts per million sulfur dioxide. Approval TC-23C-76, issued to Willson Products Div., ESB Inc., September 30, 1974.

38. Willson 122510 respirator (with R25 cartridges and R10 filters) for respiratory protection against not more than 10 parts per million chlorine, 50 parts per million hydrogen chloride, or 50 parts per million sulfur dioxide, dusts and mists having a time-weighted average not less than 0.05 mg/M³ or 2 mppcf, and asbestos-containing dusts and mists. Approval TC-23C-77, issued to Willson Products Div., ESB, Inc., September 30, 1974.

39. 3M W262 and W263 powered air purifying respirators (with W2031 filter and W2114 cartridge) for respiratory protection against pesticides. Approval TC-23C-78, issued to 3M Co., January 24, 1975.

40. MSA[®] part number 448848 respirator (with part number 448847 cartridges) for respiratory protection against pesticides. Approval TC-23C-79, issued to Mine Safety Appliances Co., January 24, 1975.

41. MSA[®] part number 448849 respirator (with part number 459315 cartridges and 448842 filters) for respiratory protection against organic vapors and paint, lacquer, and enamel mists. Approval TC-23C-80, issued to Mine Safety Appliances Co., January 24, 1975.

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TABLES FOR IDENTIFICATION
OF APPROVED COMPONENT PARTS

Table III-1. Self-contained breathing apparatus component parts, by approval number.

Approval number	Approval issued to	Respirator number(s)	Component parts, number(s) and description
TC-13F-44	SurvivAir Div., U.S. Divers Co.	9038-00, 9038-02, 9838-00, 9838-02,	9411-12 or 9413-20, facepiece. 9118-00, regulator. 9602-47, low-pressure warning. 9151-45, cylinder and valve assembly. 9457-00, back-pack assembly.
TC-13F-45	SurvivAir Div., U.S. Divers Co.	9038-20, 9038-22, 9838-20, 9838-22	9411-60 or 9413-60, facepiece. 9118-01, regulator. 9602-47, low-pressure warning. 9151-45, cylinder and valve assembly. 9457-00, back-pack assembly.
TC-13F-46	Mine Safety Appliances Co.	457150, 95061, 457151, 95068	96680 or 95940, facepiece. 96065, breathing tube assembly. 456104, cylinder and valve assembly. 456066, support assembly. 460255, regulator assembly.
TC-13F-47	Mine Safety Appliances Co.	95063, 460262	96057, facepiece. 96065, breathing tube assembly. 456104, cylinder and valve assembly. 456066, support assembly. 460256, regulator assembly.

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Table III-2. Gas masks component parts, by approval number.

Approval number	Approval issued to	Respirator number(s)	Component parts, number(s) and description
TC-14G-84	Mine Safety Appliances Co.	461481, 461482, 461483, 461484, 461485, 461486.	95940 or 96680, facepiece. 88306, 457168, or 457175, breathing tube assembly. 84937 or 84938, harness. 461480 canister.
TC-14G-85	Scott Aviation	601211-17, 601221-17	742, facepiece. 6108-10 or 6110-27, breathing tube assembly. 565 or 600309-00, harness. 084-VCL canister.
TC-14G-91	Welsh	7820, 7820S, 7829, and 7829S	780011 or 780011S, facepiece. 780060 or 780061, hose assembly. 780039 or 780041, harness assembly. 780062, connector. 7800-2VC canister.

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Table III-3. Supplied-air respirators component parts, by approval number.

Approval number	Approval issued to	Respirator number(s)	Component parts, number(s) and description
TC-19C-71	Scott Aviation	4616-11, -12, -15, -21, -22, and -25 4622-11, -12, -15, -21, -22, and -25	742 or 4704, facepiece. 6119, breathing tube. 4196 or 4196-1, flow control valve and cartridge assembly. 4286, air-supply hose.
TC-19C-72	Scott Aviation	4616-18, -19, -28, and -29 4622-18, -19, -28, and -29	742 or 4704, facepiece. 6119, breathing tube. 4199 or 4199-1, flow control valve and cartridge assembly. 4225, air-supply hose.
TC-19C-73	Scott Aviation	802230,	801450-40/41, facepiece assembly. 80227-00, regulator assembly. 26022-01/03, supply hose or 26022-01/03, supply hose with 26025-01, strap and belt assembly and 30010/30020 series extension hose.
TC-19C-74	Scott Aviation	801548	801450-04, facepiece assembly. 801549-00, regulator assembly. 26022-01/03, supply hose or 26022-01/03, supply hose with 26025-01, strap and belt assembly and 30010/30020 series extension hose

Table III-4. Dust, fume, and mist respirators component parts, by approval number.

Approval number	Approval issued to	Respirator number(s)	Component parts, number(s) and description
TC-21C-147	American Optical Corp.	R1050	R1050, respirator assembly.
TC-21C-148	Safeline Products	5350	5350, respirator assembly.
TC-21C-149	Scott Aviation	662-1 and 662-2	805 or 742, facepiece. 502-R, filter.
TC-21C-150	Mine Safety Appliances Co.	88479 and 457117	96680 or 95940, facepiece. 88480, filter.
TC-21C-151	Welsh	7506	7500-30, facepiece assembly. 7500-6, filters. 7500-14, filter covers.
TC-21C-152	Welsh	7580	7500-30, facepiece assembly. 7500-8, filters.
TC-21C-153	Welsh	7406L	7400-30, facepiece assembly. 7400-6, filter. 7400-14, filter cover.
TC-21C-154	Cover	1482	B222, respirator assembly. F100, filters.

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Table III-5. Chemical-cartridge respirators component parts, by approval number.

Approval number	Approval issued to	Respirator number(s)	Component parts, number(s) and description
TC-23C-60	American Optical Corp.	R5052	50206, basic respirator subassembly. R52, cartridges.
TC-23C-61	American Optical Corp.	R6052	51071, basic respirator subassembly. R52, cartridges.
TC-23C-62	Safeline Products	5221	05862, basic respirator subassembly. 5963, cartridges.
TC-23C-63	Welsh	7504	7500-30, facepiece assembly. 7500-4, cartridges.
TC-23C-64	Welsh	7514	7500-30, facepiece assembly. 7500-4, cartridges. 7500-6, filters. 7500-14, filter covers.
TC-23C-65	Welsh	7503	7500-30, facepiece assembly. 7500-3, cartridges.
TC-23C-66	Welsh	7513	7500-30, facepiece assembly. 7500-3, cartridges. 7500-6, filters. 7500-14, filter covers.
TC-23C-67	Willson	1222	AR700, basic respirator assembly. R22, cartridges.
TC-23C-68	Willson	122210	AR700, basic respirator assembly. R22, cartridges. R10, filters. R682, filter retainers.
TC-23C-69	Willson	1223	AR700, basic respirator assembly. R23, cartridges.

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Table III-5. Chemical-cartridge respirators component parts, by approval number--Continued.

Approval number	Approval issued to	Respirator number(s)	Component parts, number(s) and description
TC-23C-70	Willson	1224	AR700, basic respirator assembly. R24, cartridges.
TC-23C-71	Willson	122410	AR700, basic respirator assembly. R24, cartridges. R10, filters. R682, filter retainers.
TC-23C-72	Willson	122310	AR700, basic respirator assembly. R23, cartridges. R10, filters. R682, filter retainers.
TC-23C-73	Welsh	7511	7500-30, facepiece assembly. 7500-1, cartridges. 7500-6, filters. 7500-14, filter covers.
TC-23C-74	Welsh	7549	7500-30, facepiece assembly. 7500-21, cartridges. 7500-23, filters. 7500-14, filter covers.
TC-23C-75	Welsh	7531	7500-30, facepiece assembly. 7500-1, cartridges. 7500-10, filters. 7500-14, filter covers.
TC-23C-76	Willson	1225	AR700, basic respirator assembly. R25, cartridges.
TC-23C-77	Willson	122510	AR700, basic respirator assembly. R25, cartridges. R10, filters. R682 filter retainers.
TC-23C-78	3M	W262, W263	W2801, powered air purifier. W2031, filter. W2114, cartridge. W2090, breathing tube. W5005, helmet, or W5201 hood.

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Table III-5. Chemical-cartridge respirators component parts, by approval number—Continued.

Approval number	Approval issued to	Respirator number(s)	Component parts, number(s) and description
TC-23C-79	Mine Safety Appliances Co.	448848	449703, facepiece assembly. 448847, cartridges.
TC-23C-80	Mine Safety Appliances Co.	448849	449703, facepiece assembly. 459315, cartridges. 448842, filters. 448844, filter covers.

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PRESSURE RANGES AND HOSE-LENGTH RANGES FOR APPROVED

SUPPLIED-AIR RESPIRATORS

Approval number	Respirator(s)	Hose-length range, feet	Pressure range, psi
TC-19C-64	Cesco PI-800	15	5 - 17
TC-19C-64	U.S. Safety Services PI-80	15	5 - 17
TC-19C-65	SurvivAir [®] 9011-12, 9811-12	4 - 250	50 - 125
TC-19C-66	SurvivAir [®] 9011-14, 9811-14	4 - 250	50 - 125
TC-19C-67	SurvivAir [®] 9011-13, 9811-13	4 - 250	50 - 125
TC-19C-68	SurvivAir [®] 9011-15, 9811-15	4 - 250	50 - 125
TC-19C-69	3M W-810, W-840, W-856, W-858, W-870	25 - 300	50 - 90
TC-19C-70	3M W-820, W-880, W-881, W-888, W-890	25 - 100	65 - 90
TC-19C-71	Scott 4616-11, -12, -15, -21 -22, -25; and	15 - 50	12 - 25
	4622-11, -12, -15, -21, -22, -25	50 - 250	25 - 40
TC-19C-72	Scott 4616-18, -19, -28, -29; and	15 - 50	6 - 16
	4622-18, -19, -28, -29	50 - 250	16 - 22
TC-19C-73	Scott 802230	25 - 250	60 - 125
TC-19C-74	Scott 801548	25 - 250	60 - 125

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