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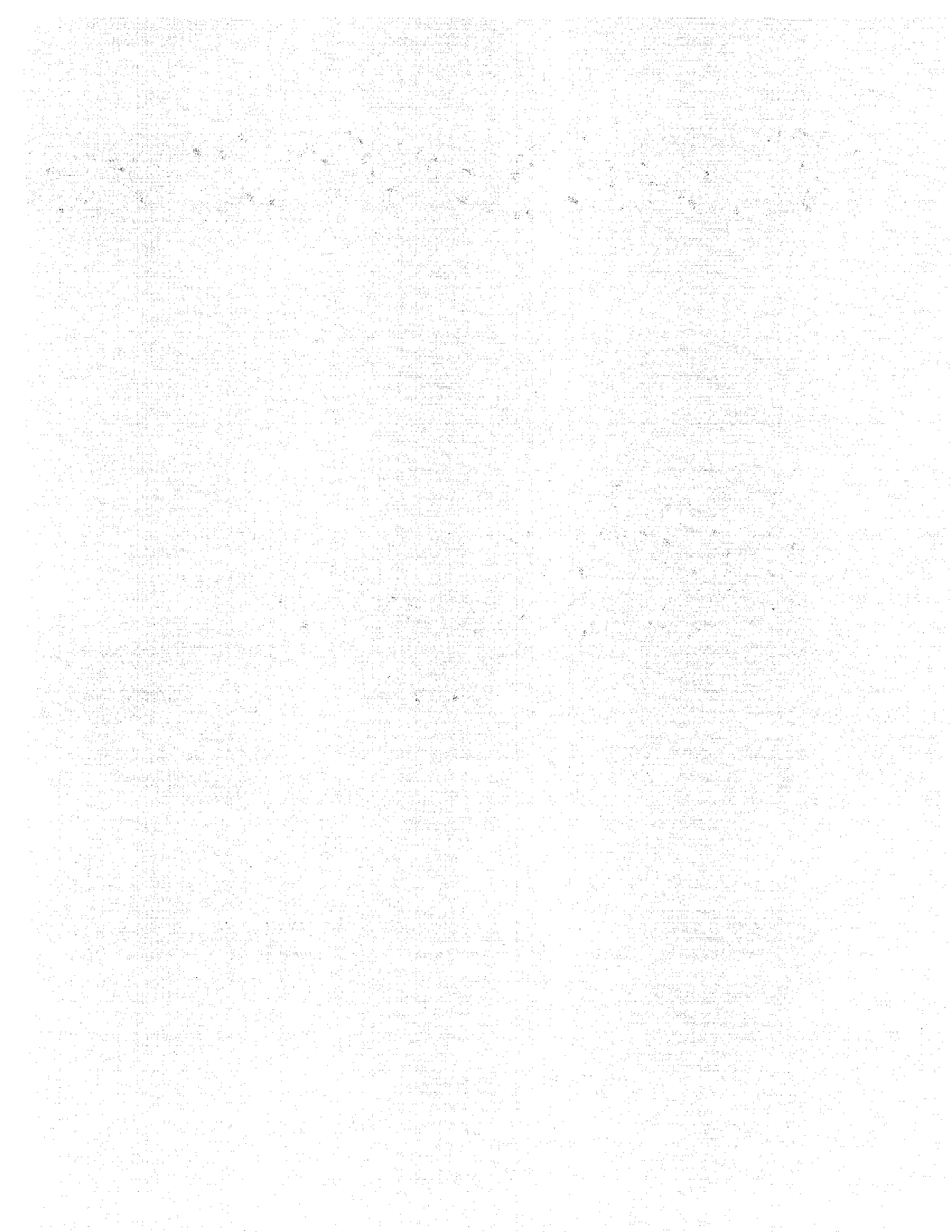
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AS OF JULY 1, 1978

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Public Health Service
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National Institute for Occupational Safety and Health



NIOSH CERTIFIED

EQUIPMENT

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National Institute for Occupational Safety and Health

November 1978

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Mention of company name or product does not constitute endorsement by the National Institute for Occupational Safety and Health.

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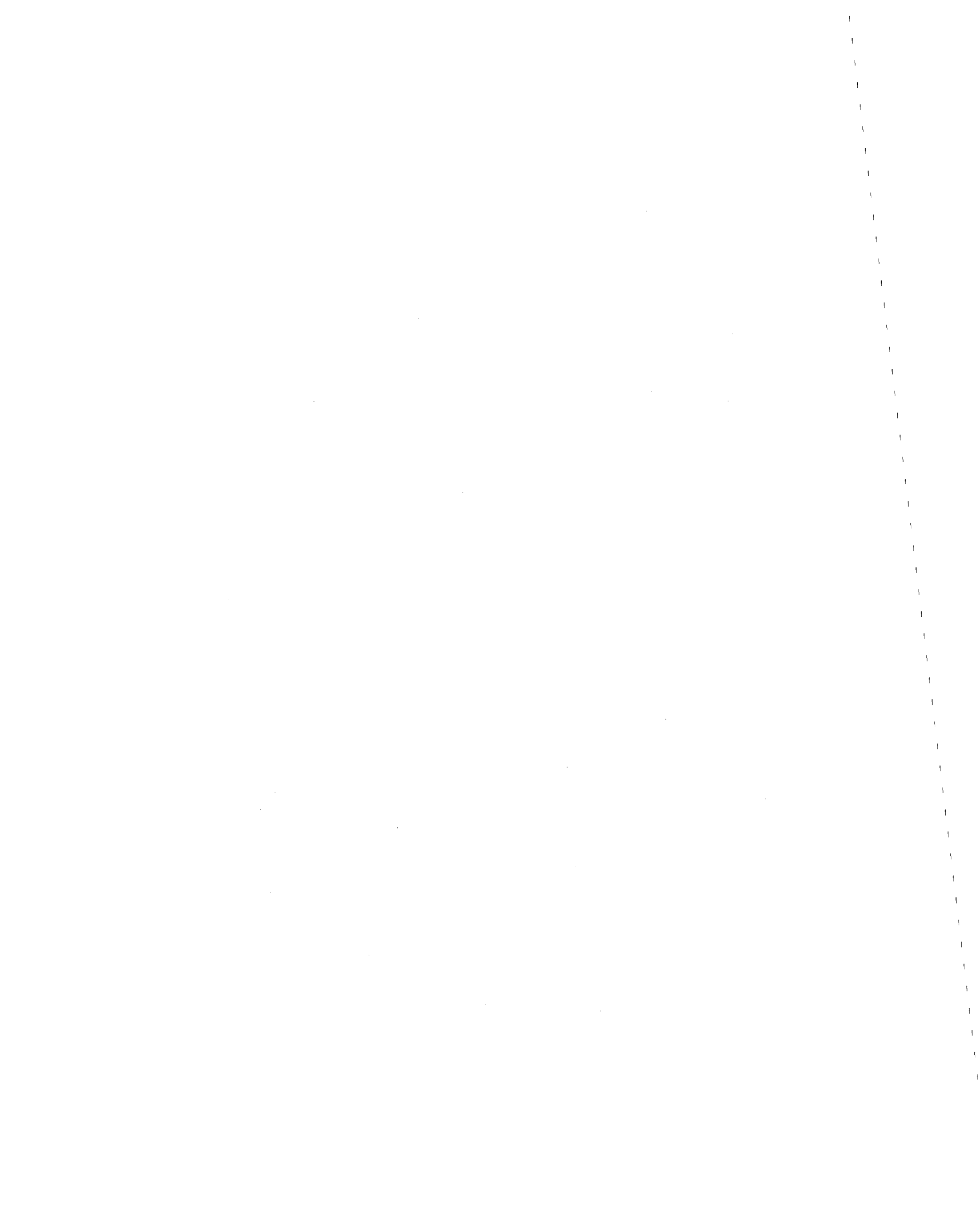
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NIOSH CERTIFIED EQUIPMENT
as of
July 1978

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 July 1, 1978, (b) contains tables of useful information concerning certified coal mine dust personal sampler units, detector tube units, sound level meter sets, respirators, (c) updates the lists of approval applicants, and (e) provides a list of test procedures for certification of the above products.



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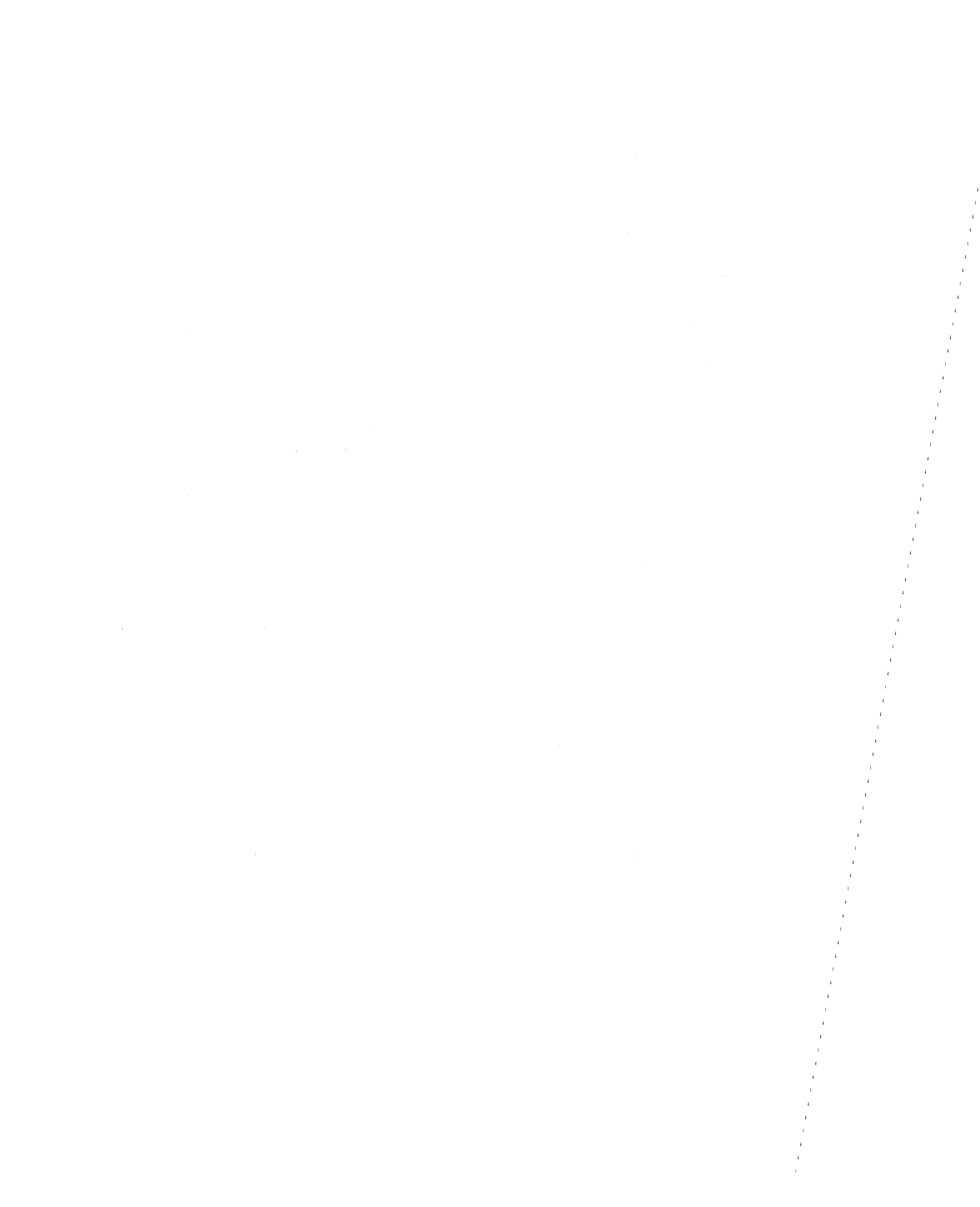
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INTRODUCTION

The Testing and Certification Branch (TCB), 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 TCB includes: (1) publishing certification requirements, (2) testing and certifying products meeting those requirements, (3) publishing lists of certified products, (4) surveying manufacturers plants to determine the acceptability of their quality assurance programs, (5) sampling products from the open market and testing them for continued conformance to certification requirements, and (6) performing research on development of new test methods and requirements for product improvement, where necessary to assure worker protection. Respirator research is conducted by the NIOSH Division of Physical Sciences and Engineering, (DPSE), in Cincinnati, Ohio.

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. Future certifications will be listed in supplements to this publication.

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 or write TCB (304/599-7331) and request available information on certified products that are not listed in this publication.

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, Testing and Certification Branch, Division of Safety Research, NIOSH, 944 Chestnut Ridge Road, Morgantown, West Virginia 26505.

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 10mm nylon cyclone and a preweighted 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 July 1, 1978 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-74-023	RAC	2392-PS
TC-74-024	Bendix	C-115
TC-74-025	Bendix	Micronair II
TC-74-026	Bendix	30/31
TC-74-027	Bendix	44

NAMES AND ADDRESSES OF MANUFACTURERS
AND DISTRIBUTORS

Bendix Corporation, Environmental & Process Instruments Division
P.O. Drawer 831, Lewisburg, West Virginia 24901

Mine Safety Appliances, 3880 Meadowbrook Road, Murrysville,
Pennsylvania 15668

Research Appliance Company, Route 8, Gibsonia, Pennsylvania
15044

LIST OF AVAILABLE TEST PROCEDURES

<u>NUMBER</u>	<u>TITLE</u>	<u>AVAILABLE</u>
NIOSH/TC/A-002	"Test Procedure for CMDPSU Pulsation Dampener"	NTIS #PB247245
NIOSH/TC/A-003	"Test Procedure for CMDPSU Approval"	NTIS #PB251353

GAS DETECTOR TUBE UNITS

II. Certification of Gas Detector Tube Units

Certified gas detector tube units listed in this section consist of an aspirating pump, a gas detector tube, and any accessories. The pump has a fixed volume and automatically draws the sample through the tube at a predetermined rate. Because of different flow characteristics and restrictions, pumps and tubes from different manufacturers are not interchangeable and do not give accurate results. The tube contains a chemically treated packing which indicates the contaminant concentration by a chemically produced color change. A primer tube, if packaged in the same box, is considered as part of the gas detector tube as an assembly. Accessories would include such items as a pyrolyzer, primer tubes packaged separately, a stroke counter, special orifices, and a tube reader.

NIOSH certifies a manufacturer to produce a gas detector tube unit to meet the minimum requirements set forth in Title 42, Part 84 in the Code of Federal Regulations (basically $\pm 35\%$ accuracy at $1/2$ the exposure limit and $\pm 25\%$ at 1 to 5 times the exposure limit). The quality of future production lots is evidenced by a quality assurance plan which NIOSH approves as part of the certification. Adherence to the quality assurance plan is verified by periodic plant inspections and by testing samples purchased on the open market.

Table II-1 is one of gases that NIOSH has and will accept applications for certification testing. Some gases contain more than one testing range and are listed more than once with "Range A" or "Range B" immediately following the gas name.

Table II-2 includes all of the gas detector tube units certified by NIOSH through July 1, 1978. The units are sorted by the gas for which they are certified. The following provides further explanation for some of the columns:

1. "Calibrated For." This is the gas for which the tube is calibrated. If a unit is calibrated and certified for more than one concentration of a gas, or for more than one gas, it will be listed more than once. If the gas was announced for more than one range, the range letter, corresponding to the previous table, will be included immediately following the gas name.
2. "Group Indicated." When a significant number of other commonly occurring compounds are also indicated at concentrations near their OSHA 29 CFR 1910 exposure limits, the general group(s) of compounds indicated is noted. It should not be inferred that (a) the unit will give an indication for all of the compounds within the group or (b) the unit will yield an accurate indication for these other compounds. Furthermore, the general group is presented as a guideline, and compounds outside of it could also interfere with accurate indication of the unit.
3. "Operating Restrictions." These are the temperature and humidity operating limits specified by the manufacturer and certified by NIOSH. The unit is not certified for operation outside of these limits.
4. "Accessories." A unit consists of a tube or tube assembly, an aspirating pump, and possibly other accessories packaged separately. The tube or tube assembly is listed under "Tube Model." The aspirating pump will be listed under this heading. If the tube is certified for use with more than one pump model, each model will be listed. Other accessories, some of which are necessary for the unit operation, are also listed under this heading. The Gastec Model 400 pump is Bendix Part Number 2417535, and the Kitagawa Model 400 pump is Matheson Part Number 8014-400.

Table II-1. COMPOUNDS ANNOUNCED FOR GAS DETECTOR TUBE CERTIFICATION
As of July 1, 1978

Gas	CAS Registry No.	Test Conc. (ppm)	Certified Range (ppm)	Common Synonyms
Acetic Acid	000064197	10	5 to 50	
Acetone	000067641	1000	500 to 5000	
Acrolein	000107028	.1	.05 to .5	Acrylaldehyde
Ammonia	007664417	50	25 to 250	
Aniline	000062533	5	2.5 to 25	
Benzene (Range A)	000071432	10	5 to 50	
Benzene (Range B)	000071432	1	0.5 to 5	
Carbon Dioxide	000124389	5000	2500 to 25000	
Carbon Disulfide	000075150	20	10 to 100	
Carbon Monoxide (Range A)	000630080	50	25 to 250	
Carbon Monoxide (Range B)	000630080	500	250 to 2500	
Carbon Tetrachloride	000056235	10	5 to 50	
Chlorine	007782505	1	0.5 to 5	
Chloroprene	000126998	25	12.5 to 125	Chlorobutadiene
Ethyl Benzene	000100414	100	50 to 500	
Ethylene Dichloride	000107062	50	25 to 250	Dichloroethylene, dichlorethane
Formaldehyde	000050000	2	1 to 10	
Hexane	000110543	500	250 to 2500	
Hydrogen Chloride	007647010	5	2.5 to 25	Hydrochloric Acid
Hydrogen Cyanide	000074908	10	5 to 50	Hydrocyanic Acid
Hydrogen Fluoride	007664393	3	1.5 to 15	Hydrofluoric Acid
Hydrogen Sulfide (Range A)	007783064	10	5 to 50	
Hydrogen Sulfide (Range B)	007783064	100	50 to 500	
Mercury	007439976	.05mg/cu.m	.025 to .25mg/cu.m	
Methyl Bromide	000074839	15	7.5 to 75	Bromo Methane
Methyl Ethyl Keytone	000078933	200	100 to 1000	MEK, 2-Butanone
Methylene Chloride	000075092	500	250 to 2500	Dichloromethane
Nitric Oxide	010102439	25	12.5 to 125	Nitrogen Monoxide
Nitrogen Dioxide	010102440	5	2.5 to 25	
Perchloroethylene	000127184	100	50 to 500	Tetrachloroethylene, PCE
Phosgene	000075445	.1	.05 to .5	
Phosphine	007803512	.3	.15 to 1.5	
Styrene	000100425	100	50 to 500	
Sulfur Dioxide	007446095	5	2.5 to 25	
Toluene	000108883	100	50 to 500	
Trichloroethylene	000079016	100	50 to 500	TCE
Vinyl Chloride	000075014	1	0.5 to 5	Chloroethylene
Xylene	001330207	100	50 to 500	Xylol

Table II-2. NIOSH Certified Gas Detector Tube Units
As of July 1, 1978

Calibrated For	TC No. 84-	Manufacturer	Tube Model	Group Indicated	Operating Restrictions		Accessories
					Temp(°C)	Humidity	
Acetone	054	MSA	460423	Hydrocarbon	0-40	0-100% RH	83499 Pump
Ammonia	031	Drager	CH 20501	Amines	10-50	3-12 mg/l	31 Pump
Ammonia	023	Gastec	3M	Amines	0-40	10-90% RH	400 Pump
Ammonia	032	Kitagawa	105 Sc	Amines	0-40	0-100% RH	400 Pump
Ammonia	033	Kitagawa	105 c	Amines	0-40	0-100% RH	400 Pump
Ammonia	034	MSA	460103	Amines	4-49	20-80% RH	83499 Pump
Benzene (A)	044	Drager	67-28071	Hydrocarbon	0-40	0-50 mg/l	31 Pump
Benzene (A)	043	Gastec	121	Hydrocarbon	0-40	10-90% RH	400 Pump
Carbon Dioxide	029	Drager	CH 23501	-----	-10-40	0-50 mg/l	31 Pump
Carbon Dioxide	021	Gastec	2L	-----	0-40	0-90% RH	400 Pump
Carbon Dioxide	027	Kitagawa	126 a	-----	0-40	0-100% RH	400 Pump
Carbon Dioxide	026	Kitagawa	126 Sa	-----	0-40	0-100% RH	400 Pump
Carbon Dioxide	025	MSA	85976	-----	4-38	0-100% RH	83499 Pump
Carbon Disulfide	066	Drager	67 28351	Hydrocarbon	0-40	3-15 mg/l	31 Pump
Carbon Monoxide (A)	012	Drager	CH 25601	-----	-10-90	0-50 mg/l	31 Pump
Carbon Monoxide (A)	013	Drager	CH 20601	-----	-10-90	0-50 mg/l	31 Pump
Carbon Monoxide (B)	013	Drager	CH 20601	-----	-10-90	0-50 ,g/l	31 Pump
Carbon Monoxide (A)	014	Gastec	1 La	-----	0-40	20-90% RH	400 Pump
Carbon Monoxide (A)	045	Kitagawa	100	-----	0-40	0-100% RH	400 Pump
Carbon Monoxide (A)	019	Kitagawa	106 S	-----	0-40	0-100% RH	400 Pump
Carbon Monoxide (A)	015	MSA	91229	-----	-18-51	0-100% RH	83499 Pump
Carbon Monoxide (A)	067	MSA	465519	-----	-18-51	0-100% RH	83499 or 463998 Pump
Carbon Monoxide (B)	067	MSA	465519	-----	-18-51	0-100% RH	83499 or 463998 Pump
Carbon Tetrachloride	036	Gastec	134	-----	5-30	0-25 mg/l	400 Pump
Chlorine	041	Gastec	8 La	Strong Oxidants-	0-40	10-90% RH	400 Pump
Chlorine	042	MSA	460225	Strong Oxidants	4-38	0-90% RH	83499 Pump
Ethyl Benzene	064	Drager	67-28381	Hydrocarbon	10-30	5-12 mg/l	31 Pump
Ethylene Dichloride	058	MSA	461863	Halogenated HC	10-38	0-80% RH	83499 Pump
Hexane	063	Drager	67-28391	Hydrocarbon	15-35	5-12 mg/l	31 Pump
Hydrogen Cyanide	051	Drager	CH 25701	-----	0-30	0-20 mg/l	31 Pump
Hydrogen Cyanide	052	Kitagawa	112 Sb	Strong Acid Gases	0-40	0-100% RH	400 Pump
Hydrogen Sulfide (A)	024	Drager	67-19001	-----	0-40	0-50 mg/l	31 Pump
Hydrogen Sulfide (B)	062	Drager	CH 29801	-----	0-60	3-30 mg/l	31 Pump
Hydrogen Sulfide (A)	020	Gastec	4 LL	-----	0-50	20-90% RH	400 Pump
Hydrogen Sulfide (A)	037	Kitagawa	120 b	-----	0-40	0-100% RH	400 Pump
Hydrogen Sulfide (A)	022	MSA	460058	-----	-18-38	0-95%	83499 or 463998 pump
Methyl Bromide	056	Drager	67-28211	Halogenated HC	0-40	5-12 mg/l	31 Pump
Methylene Chloride	061	Drager	67-28331	Hydrocarbon	10-30	5-12 mg/l	31 Pump
Nitric Oxide	048	Drager	CH 31001	Strong Oxidants	10-30	0-30 mg/l	31 Pump
Nitric Oxide	049	Gastec	10	Strong Oxidants	0-40	10-90% RH	400 Pump
Nitric Oxide	059	MSA	460424	Strong Oxidants	0-43	0-95% RH	83499 or 463998 pump
Nitrogen Dioxide	048	Drager	CH 31001	Strong Oxidants	10-30	0-30 mg/l	31 Pump
Nitrogen Dioxide	016	Drager	CH 30001	Strong Oxidants	0-40	0-50 mg/l	31 Pump
Nitrogen Dioxide	040	MSA	83099	Strong Oxidants	10-43	10-90% RH	83499 Pump
Nitrogen Dioxide	018	Gastec	9L	Strong Oxidants	0-40	10-100% RH	400 Pump
Perchloroethylene	065	MSA	460467	Halogenated HC	4-38	20-80% RH	83499 or 463998 pump, 58283 clamp
Sulfur Dioxide	030	Drager	CH 31701	-----	15-25	3-30 mg/l	31 Pump
Sulfur Dioxide	017	Gastec	5 LA	Acid Gases	0-40	10-90% RH	400 Pump
Sulfur Dioxide	035	Kitagawa	103 d	-----	0-40	0-100% RH	400 Pump

Table II-2. NIOSH Certified Gas Detector Tube Units -- Continued
As of July 1, 1978

Calibrated For	TC No. 84-	Manufacturer	Tube Model	Group Indicated	Operating Restrictions		Accessories
					Temp(°C)	Humidity	
Sulfur Dioxide	028	Kitagawa	103 Sd	-----	0-40	0-100% RH	400 Pump
Sulfur Dioxide	046	MSA	92623	Acid Gases	4-32	10-90% RH	83499 Pump
Toluene	053	Gastec	122	Hydrocarbon	0-40	10-90% RH	400 Pump
Toluene	050	Drager	CH 2300i	Hydrocarbon	10-30	5-12 mg/l	31 Pump
Toluene	057	MSA	461371	Hydrocarbons	10-38	0-80% RH	83499 Pump
Trichloroethylene	039	Drager	CH 24401	Halogenated HC	0-40	7-12 mg/l	31 Pump
Trichloroethylene	038	Gastec	132H	Halogenated HC	0-40	0-100% RH	400 Pump
Trichloroethylene	055	MSA	460328	Halogenated HC	4-38	20-90% RH	83499 or 463998 Pump, 58283 Clamp
Vinyl Chloride	060	Gastec	131 L	Halogenated HC	0-40	10-90% RH	400 Pump

NAMES AND ADDRESSES OF MANUFACTURERS
AND DISTRIBUTORS

Bendix Corporation, Environmental & Process Instruments Division,
P.O. Drawer 831, Lewisburg, West Virginia 24901 (Gastec Distributor)

Matheson Gas Products, 1275 Valley Brook Avenue, Lyndhurst, New Jersey
07071 (Kitagawa Distributor)

Mine Safety Appliances Company, 3880 Meadowbrook Road, Murrysville,
Pennsylvania 15568

National Mine Service Company, 3000 Koppers Building, Pittsburgh,
Pennsylvania 15219 (Drager Distributor for Mining Industries)

National Drager, Inc, 401 Parkway View Drive, Pittsburgh,
Pennsylvania 15205 (Drager Distributor for Non-mining industries)

LIST OF AVAILABLE TEST PROCEDURES

<u>NUMBER</u>	<u>TITLE</u>	<u>AVAILABILITY</u>
NIOSH/TC/A-001	"Test Procedure for Gas Detector Tube Certification"	NTIS #PB247245
NIOSH/TC/A-008	"Test Procedure for Detector Tube Pump Certification"	TCB

RESPIRATORY PROTECTIVE DEVICES

III. Certified Respiratory Protective Devices

The following respiratory protective devices have been certified by the Mine Safety and Health Administration, Department of Labor, and the National Institute for Occupational Safety and Health, Department of Health, Education, and Welfare, as of July 1, 1978, in accordance with regulations appearing in Title 30, Code of Federal Regulations, Part 11.

SELF-CONTAINED BREATHING APPARATUS APPROVED BY MSHA/NIOSH

Approval number TC-13F-	Approval issued to	Model number(s)	Breathing gas	Service life	Facepiece type	Apparatus type	Regulator position	Hose length, ft.	Pressure range, psi.
27	BioMarine	45-600 45-100	O	45 min.	FF	CC	Bm	--	--
28	Robertshaw Controls	900-002-268 -11, -12 Model 5000	A	5 min.	H/H	ES,CF	Fm	--	--
28A	Lear Siegler	5500	A	5 min.	H/H	ES,CF	Bm	--	--
29	MSA	457152, 457153, 457154 463827, 463830 95066, 96363 463832, 463828	A	30 min.	FF	ODM	Bm	--	--
30	MSA	95069, 96338 461696, 461946 461947, 463814 463815, 461704 463831, 463833	A	30 min.	FF	OPD	Bm	--	--
32	Siebe Gorman	013831.04	O	3 hr.	FF	ODM	Bm	--	--
33	SurvivAir	9081-14 9881-14	A	5 min.	FF	ES,ODM,SAR	Fm	4-250	50-125
34	SurvivAir	9081-12 9881-12	A	5 min.	FF	ES,ODM,SAR	Fm	4-250	50-125
35	SurvivAir	9065-03, 9865-03,	A	15 min.	FF	ES,ODM	Fm	--	--
36	SurvivAir	9069-02 9069-11 9869-02 9869-11	A	5 min.	FF	ES,ODM	Fm	--	--
38	Drager	BC-174A/3	O	3 hr.	FF	CC	Bm	--	--
39	Scott	900000-00	A	30 min.	FF	ODM	Bm	--	--
40	Scott	900014-00	A	30 min.	FF	OPD	Bm	--	--

SELF-CONTAINED BREATHING APPARATUS APPROVED BY MSHA/NIOSH

Approval number TC-13F-	Approval issued to	Model number(s)	Breathing gas	Service life	Facepiece type	Apparatus type	Regulator position	Hose length, ft.	Pressure range, psi.
41	Scott	900002-00	A	15 min.	FF	ODM	Bm	--	--
42	Scott	900015-00	A	15 min.	FF	OPD	Bm	--	--
43	Globe	2540-W, 2540-B, 2550-W, 2550-B, 2526-W, 2526-B, 2552-W, 2552-B	A	30 min.	FF	ODM	Bm	--	--
44	SurvivAir	9038-00 9038-02, 9838-00, 9838-02	A	30 min.	FF	ODM	Bm	--	--
45	SurvivAir	9038-20 9038-22 9838-20 9838-22	A	30 min.	FF	OPD	Bm	--	--
46	MSA	457150 95061, 457151, 95068	A	15 min.	FF	ODM	Bm	--	--
47	MSA	95063, 461697 460262, 461703	A	15 min.	FF	OPD	Bm	--	--
48	Scott	900006	A	3 or 5 min.	FF	ES,ODM,SAR	Bm	25-300	350-450
49	Scott	900007	A	3 or 5 min.	FF	ES,OPD,SAR	Bm	25-300	350-450
52	MSA	457156	A	5 min.	FF	ES,ODM	Bm	--	--
53	SurvivAir	9081-13 9881-13	A	5 min.	FF	ES,OPD,SAR	Fm	4-250	50-125

SELF-CONTAINED BREATHING APPARATUS APPROVED BY MSHA/NIOSH

Approval number TC-13F-	Approval issued to	Model number(s)	Breathing gas	Service life	Facepiece type	Apparatus type	Regulator position	Hose length, ft.	Pressure range, psi.
54	SurvivAir	9081-15 9881-15	A	5 min.	FF	ES,OPD,SAR	Fm	4-250	50-125
55	MSA	76753	A	5 min.	MF	ES,ODM	Bm	--	--
56	MSA	96395, 455994	A	10 min.	FF	ES,OPD,SAR	Bm	25-300	75-90
56A	MSA	304213 304194	A	10 min.	FF	ES,OPD,SAR	Bm	25-300	75-90
57	Drager	BG-174A/4	O	4 hr.	FF	CC	Bm	--	--
58	Siebe-Gorman	014422.10	A	30 min.	FF	ODM	Fm	--	--
59	Siebe-Gorman	014422.11	A	30 min.	FF	OPD	Fm	--	--
60	Scott	900050	O	4 hr.	FF	CC	Bm	--	--
61	MSA	456989	A	5 min.	ON	ES,ODM	Bm	--	--
62	MSA	458178, 458479	A	5 min.	FF	ES,ODM,SAR	Bm	25-300	50-90
63	Robertshaw Controls	900-002-267 -01, -11	A	15 min.	ON,FF	ES,OPD,SAR	Fm	25-250	50-125
64	Robertshaw Controls	900-002-266 -01, -02, -03 -04, -11, -12 -13, -14	A	5 min.	ON,FF	ES,OPD,SAR	Fm	25-250	50-125
65	Robertshaw Controls	900-002-267 -21, -31	A	15 min.	ON,FF	OPD	Fm	--	--
66	Scott	900055-01 900055-03 900055-04	A	5 min.	ON,FF	ES,ODM	Fm	--	--

SELF-CONTAINED BREATHING APPARATUS APPROVED BY MSHA/NIOSH

Approval number TC-13F-	Approval issued to	Model number(s)	Breathing gas	Service life	Facepiece type	Apparatus type	Regulator position	Hose length, ft.	Pressure range, psi.
67	Scott	900055-09 900055-10 900055-17 900055-18	A	5 min.	ON,FF	ES,ODM,SAR	Fm	10-250	60-125
68	Scott	900055-13 900055-14	A	5 min.	FF	ES,OPD,SAR	Fm	10-250	60-125
69	MSA	457159	A	5 min.	FF	ES,ODM,SAR	Fm	25-300	50-100
70	MSA	460713 461698	A	5 min.	FF	ES,OPD,SAR	Bm	25-300	50-100
71	Globe	2508	A	5 min.	FF	ES,ODM	Fm	--	--
72	Globe	2509	A	5 min.	FF	ES,ODM,SAR	Fm	25-100	50-70
73	Scott	900450	A	30 min.	FF	ODM	Fm	--	--
74	Globe	2505, 2505-4	A	15 min.	FF	ES,ODM,SAR	Fm	25-100	50-70
75	Globe	2503	A	15 min.	FF	ES,ODM	Fm	--	--
76	Scott	900455	A	30 min.	FF	OPD	Fm	--	--
77	MSA	304330	O	10 min. 1 hour	MP	ES,CC	Bm	--	--
78	MSA	464213	O	1 hr.	MP	ES,CC	Bm	--	--
79	Scott	900220	A	30 min.	FF	ODM	Bm	--	--
80	Scott	900225	A	30 min.	FF	OPD	Bm	--	--
81	Globe	2840-W	A	30 min.	FF	OPD	Bm	--	--
82	SurvivAir	9045-20 9045-22 9845-20 9845-22	A	30 min.	FF	OPD	Bm	--	--

GAS MASKS APPROVED BY MSHA/NIOSH

Approval number TC-14G-	Approval issued to	Model number(s)	Respirator type ₁ /	Face-piece-type ₂ /	Type of respiratory protection ₃ /												
					OV	Cl	SO ₂	CO	NH ₃	MA	VC	PEST	DFM	AC			
82	MSA	455299	Es	M						X							
83	Drager	810	Es	M						X							
84	MSA	461481, 461482, 461483, 461484, 461485, 461486	Bm	FF													X
85	Scott	601211-17 601221-17 601111-17, 601121-17 601511-17, 601521-17	Bm	FF													X
86	MSA	448983, 448984, 448985, 448986	Fm	FF													X
87	MSA	448975, 448976, 448977, 448978	Fm	FF		X											D,M
88	MSA	448979, 448980 448981, 448982	Fm	FF							X						D,M
89	MSA	460131, 460132 460133, 460134	Fm	FF		X											D,M
91	Norton	7820, 7820S, 7820N 7829, 7829S, 7820SN 7829N, 7829SN	Bm	FF													X
92	MSA	461133, 461134 461140, 461141	Fm	FF		X											D,M
93	Willson	2164F, 2264F	Fm	FF							X	X					D,F,M
94	Willson	2161F, 2261F	Fm	FF		X							X				D,F,M
95	Willson	2162F, 2262F	Fm	FF		X											D,F,M
96	MSA	465331, 465327	Bm	FF		X		X	X								H X

GAS MASKS APPROVED BY MSHA/NIOSH

Approval number TC-14C-	Approval issued to	Model number(s)	Respirator type ₁ /	Face- piece- type ₂ /	Type of respiratory protection ₃ /										
					OV	Cl	SO ₂	CO	NH ₃	MA	VC	PEST	DFM	AG	
97	MSA	448932, 448933, 448934, 448935, 448920, 448921, 448922, 448923, 448924, 448925	Bm	FF	X										D,M
98	MSA	460125,460126 460127,460128 460129,460130	Bm	FF	X	X									D,M
99	MSA	448940,448941 448942,448943	Bm	FF										X	
100	MSA	460119,460120, 460121,460122 460123,460124	Bm	FF	X										X
101	MSA	448926,448927 448928,448929 448930,448931	Bm	FF					X						D,M
102	Scott	6030-1108 6030-1208, 6030-2208 6030-2108, 6030-3108, 6030-3208, 6030-4108, 6030-4208	Fm	FF		X									D,M
103	Scott	6030-1104 6030-1204, 6030-2104 6030-2204, 6030-3104 6030-3204, 6030-4104, 6030-4204	Fm	FF					X	X					D,M

SUPPLIED-AIR RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-19C-	Approval Issued to	Model number(s)	Respirator type	Air flow class	Regulator or valve location	Face-piece type	Hose length, ft.	Pressure range, psi.
64	Cesco	PI-800	C,CE	Cf	Bm	HH	15-50 75-100	6-17 7-20
64	U.S. Safety	PI-800	C,CE	Cf	Bm	HH	15-50 75-100	6-17 7-20
65	SurvivAir	9011-12 9811-12	C	Dm	Fm	FF	4-250	50-125
66	SurvivAir	9011-14 9811-14	C	Dm	Fm	FF	4-250	50-125
67	SurvivAir	9011-13 9811-13	C	Pd	Fm	FF	4-250	50-125
68	SurvivAir	9011-15 9811-15	C	Pd	Fm	FF	4-250	50-125
69	3M	W-810 W-840 W-856 W-858 W-870 W-275 W-280 W-283 W-292	C,CE	Cf	Bm	HH	25-300	50-90
70	3M	W-820 W-880 W-881 W-888 W-890 W-276 W-281 W-284 W-293	C,CE	Cf	Bm	HH	25-100	60-80
71	Scott	4616-11, -12, -15, -21, -22, -25, 4622 -11, -12, -15, -21, -22, -25	C	Cf	Fm	ON,FF	15-50 50-250	12-25 25-40

SUPPLIED-AIR RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-19C-	Approval Issued to	Model number(s)	Respirator type	Air flow class	Regulator or valve location	Face- piece type	Hose length, ft.	Pressure range, psi.
72	Scott	4616-18, -19, -28 -29, 4622 -18, -19, -28, -29	C	Cf	Fm	ON,FF	15-50 50-250	6-16 16-22
73	Scott	802230	C	Cf,Dm	Fm	FF	25-250	60-125
74	Scott	801548	C	Pd	Fm	FF	3-250	60-125
75	MSA	457165, 84283, 46539, 457164, 93928, 94988	C	Dm	Bm	ON,FF	25-300	50-125
77	MSA	457623	B	Cf	N/A	FF	Up to 75	N/A
78	MSA	460862, 460863, 460864, 460865, 461708, 461717, 461718, 461719	C	Cf	Bm	ON,FF	25-300	35-40
79	Encon	6400	C,CE	Cf	Bm	HH	25-50	70-90
79	Schmidt	6400	C,CE	Cf	Bm	HH	25-50	70-90
80	MSA	460903, 460904, 460905, 460906 461709, 461710, 461711, 461712	C	Cf	Bm	HH	25-300	55-60

SUPPLIED-AIR RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-19C-	Approval Issued to	Model number(s)	Respirator type	Air flow class	Regulator or valve location	Face- piece type	Hose length, ft.	Pressure range, psi.
81	MSA	460907, 460908, 460909, 460910 461713, 461714, 461715, 461716	CE	Cf	Bm	HH	25-300	55-60
82	Pulmosan	AL180-10168	C	Cf	Bm	FF	15-50	10-20
83	Willson	1810 1820	C	Cf	Bm	ON	15-100 100-300	10-32 21-50
84	Bullard	77	C,CE	Cf	Bm	HH	25-200	80-95
84	Anderson	77	C,CE	Cf	Bm	HH	25-200	80-95
84	Bowen	77	C,CE	Cf	Bm	HH	25-200	80-95
84	Pauli and Griffin	77	C,CE	Cf	Bm	HH	25-200	80-95
84	Empire	77	C,CE	Cf	Bm	HH	25-200	80-95
84	Kelco	77	C,CE	Cf	Bm	HH	25-200	80-95
84	Titan	77	C,CE	Cf	Bm	HH	25-200	80-95
84	Key Houston	77	C,CE	Cf	Bm	HH	25-200	80-95
84	Ace Enterprises	77	C,CE	Cf	Bm	HH	25-200	80-95
84	Clemtex, Ltd.	77	C,CE	Cf	Bm	HH	25-200	80-95
85	Clemco	46(PCE)	C,CE	Cf	Bm	HH	25-200	80-95
86	AO	R6099	C	Cf	Bm	ON	12.5-75 100-175 200-300	7-15 13-25 18-35

SUPPLIED-AIR RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-19C-	Approval Issued to	Model number(s)	Respirator type	Air flow class	Regulator or valve location	Face-piece type	Hose length, ft.	Pressure range, psi.
87	3M	W-270, W-271 W-272, W-274 W-277, W-282 W-285, W-294	C, CE	Cf	Bm	HH	25-100	60-70
88	Binks	40-160	C	Cf	Bm	ON	25-300	35-40
89	AO	R56001	C	Cf	Bm	HH	12.5-25 50-100 125-200 225-300	10-18 18-30 25-40 35-60
90	Robertshaw Controls	900-002-264 -01, -02, -03, -04, -11, -12, -13, -14	C	Pd	Fm	ON,FF	25-250	50-125
91	MSA	457157 93224 93225	C	Dm	Fm	ON,FF	25-300	50-90
92	Globe	2185-6 2185-4	C	Dm, Cf	Fm	FF	25-200	60-70
93	MSA	89104, 461669, 461699, 461700	C	Pd	Bm	FF	25-300	80-100
94	Willson	1850, 1860	C	Cf	Bm	FF	15-100 100-300	11-32 21-50
95	Pulmosan	AL330-1059	C	Cf	Bm	ON	15-50	20-40
96	Cesco	801	C,CE	Cf	Bm	HH	15-100	60-100
96	U.S. Safety	801	C,CE	Cf	Bm	HH	15-100	60-100
97	Scott	802280-01 -02, -05, -06, -09, -10, -13, -14	C	Dm,Cf	Fm	ON	3-250	60-125

SUPPLIED-AIR RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-19C-	Approval Issued to	Model number(s)	Respirator type	Air flow class	Regulator or valve location	Face-piece type	Hose length, ft.	Pressure range, psi.
98	Scott	8022280-03 -04, -07, -08, -11, -12, -15, -16	C	Pd	Fm	ON	3-250	60-125
99	Pulmosan	20009	CE	Cf	Bm	HH	15-50	12-15
100	Pulmosan	20027	CE	Cf	Bm	HH	15-50	11-14
101	MSA	463018, 463019, 463020 463021, 463022 463023, 463024 463025	A	Cf	N/A	FF	50-250	N/A
102	Bullard	999	C,CE	Cf	Bm	HH	10-100	12-25
102	Clemco	999	C,CE	Cf	Bm	HH	10-100	12-25
103	MSA	463925, 463926, 463970, 463973, 463974, 463983, 463986, 463987	C	Cf	Bm	HH	25-300	45-60
104	MSA	463971 463972, 463975, 463976, 463984, 463985, 463988, 463989	C	Cf	Bm	HH	15-50	16-20
105	MSA	463939 463979	CE	Cf	Bm	HH	25-300	45-60
106	MSA	463980 463981	CE	Cf	Bm	HH	15-50	16-20

SUPPLIED-AIR RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-19C-	Approval Issued to	Model number(s)	Respirator type	Air flow class	Regulator or valve location	Face- piece type	Hose length, ft.	Pressure range, psi.
107	MSA	463929 463930, 463959, 463962, 463963, 463967	CE	Cf	Bm	HH	25-300	45-60
108	MSA	463960 463961, 463964, 463965, 463968, 463969	CE	Cf	Bm	HH	15-50	16-20
109	Norton	85101 85102, 85103 85104, 85105 85106, 85107 85108, 85109 85110, 85111 85112, 85113 85114, 85115 85116, 85117 85118, 85119 85120, 85121 85122, 85123 85124, 85125 85126	C	Cf	Bm	ON	12.5-25 50-100 125-200 225-300	11-13 14-16 18-20 22-24
110	Norton	85201 85202, 85203 85204, 85205 85206, 85207 85208, 85209 85210, 85211 85212, 85213 85214, 85215 85216, 85217 85218, 85219 85220, 85221 85222, 85223 85224, 85225 85226	C	Cf	Bm	FF	12.5 25-50 75-100 125-150 175-225 250-300	9-10 10-11 12-13 15-16 17-18 20-21

DUST, FUME, AND MIST RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type1/	Face- piece type2/	No. of filters	Type of respiratory protection3/												
						D	F	M	H	R	A	S	AB					
132	3M	8710	Su	ON	1													X
133	MSA	459440	Rp, Fm	ON	2	X		X										X
134	MSA	459438 461011 465360	Rp, Bm, Fm	ON	2	X	X	X			X	X						
135	MSA	459439 461010 465361	Rp, Bm, Fm	ON	2						X							
136A	3M	W250, W252 W254 W255, W260 W261, W266 W267, W278 W-295, W-297	Pw	H/H	1					X	X							
137	3M	W251 W265	Pw	H/H	1													X
138	MSA	96000 457344	Rp, Fm	ON	1	X		X										
139	Willson	560	Rp, Fm	ON	1	X		X										
140	Willson	1210	Rp, Fm	ON	2	X		X										X
141	Willson	1211	Rp, Fm	ON	2	X	X	X										X
142	Willson	1212	Rp, Fm	ON	2					X								
143	Willson	1400	Su	ON	1													X
144	AO	R5030	Rp, Fm	ON	2	X		X										X
145	AO	R6030	Rp, Fm	ON	2	X		X										X
147	AO	R1050	Su	ON	1													X

DUST, FUME, AND MIST RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type ₁ /	Face- piece type ₂ /	No. of filters	Type of respiratory protection ₃ /								
						D	F	M	H	R	A	S	AB	
149	Scott	662-1 662-2	Rp, Fm	FF	1								X	
150	MSA	88479 457117	Rp, Fm	FF	1								X	
151	Norton	7506 7506M	Rp, Fm	ON	2		X		X					X
152	Norton	7580 7580M	Rp, Fm	ON	2								X	
153	Norton	7406L 7406LM	Rp, Fm	ON	1		X		X					X
154	Sellstrom	315-F100	Rp, Fm	ON	2		X							X
154	Cover	1482-F100	Rp, Fm	ON	2		X							X
154	Safe-Tex	236-F100	Rp, Fm	ON	2		X							X
154	Eastern	E-450	Rp, Fm	ON	2		X							X
155	MSA	460185	Rp, Fm	FF	2								X	
156	MSA	461683	Rp, Fm	ON	1		X		X					
157	Pulmosan	C264	Rp, Fm	ON	1		X		X					
158	Pulmosan	C263	Rp, Fm	ON	1								X	
159	MSA	460357	Rp, Fm	ON	1		X		X					
160	AO	R5057 R6057	Rp, Fm	ON	2								X	
161	AO	R5056 R6056	Rp, Fm	ON	2		X	X	X					X
162	AO	R8100	Rp, Fm	ON	1		X		X					
163	Cesco	94R20	Rp, Fm	ON	2		X		X					X
164	Glendale	GR2000 GR4000	Rp, Fm	ON	2		X		X					

DUST, FUME, AND MIST RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type1/ type2/	Face- piece type2/	No. of filters	Type of respiratory protection ^{3/}								
						D	F	M	H	R	A	S	AB	
165	Pulmosan	L800	Rp, Fm	ON	1	X	X							
166	AO	R2090N	Rp, Fm	ON	1	X	X							
167	DeVilbiss	MSD-507	Rp, Fm	ON	1	X	X							
168	Norton	75BP80 75BP80M	Rp, Bm	ON	2					X				
169	AO	R8156	Rp, Fm	ON	1	X	X	X						
170 170A	Norton Norton	7170 7170	Ru Su	ON ON	1 1	X		X					X	
171	Norton	7680 7680N 7680S 7680SN	Rp, Fm	FF	2					X				
172	Glendale	GR1000 GR3000	Rp, Fm	ON	1	X	X							
173	3M	8800	Su	ON	1								X	
174	Binks	40-150	Su	ON	1								X	
175	Norton	7100 7100V	Rp, Fm	ON	1	X	X							
176	3M	9900	Ru	ON	1	X							X	
177	Scott	604035-00 6411-2100 6411-3100 6413-2100 6413-3100	Rp, Fm	ON	2	X	X							
178	Scott	604022-50 6411-2050 6411-3050 6413-2050 6413-3050	Rp, Fm	ON	2					X	X			

DUST, FUME, AND MIST RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type1/ type2/	Face- piece type2/	No. of filters	Type of respiratory protection3/								
						D	F	M	H	R	A	S	AB	
179	U.S. Safety	150T10	Rp, Fm	ON	2	X		X						X
180	Cesco	95RC15	Rp, Fm	ON	2	X		X						X
181	MSA	462240	Rp, Bm	ON	2	X		X						
182	Willson	1610 1710	Rp, Fm	FF	2	X		X					X	
183	Willson	1611 1711	Rp, Fm	FF	2	X	X	X					X	
184	Willson	1612 1712	Rp, Fm	FF	2								X	
186	MSA	463353 463354 463355	Pw	ON, FF	2								X	
187	MSA	461847	Rp, Fm	FF	2	X	X	X					X	X
188	MSA	461845	Rp, Fm	FF	2	X		X						X
189	Glendale	GR-2026 GR-4026	Rp, Fm	ON	2	X	X	X						
190	3M	9910	Ru	ON	1	X		X						X
191	Norton	7606 7606S 7606N 7606SN	Rp, Fm	FF	2	X		X					X	
193	U.S. Safety	150T11	Rp, Fm	ON	2	X	X	X					X	X
194	Cesco	95RC16	Rp, Fm	ON	2	X	X	X					X	X
195	Glendale	SU-1	Su	ON	1									X
196	Cover	1482-F108	Rp, Fm	ON	2	X	X	X					X	X

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval issued to	Model number(s)	Respirator type ₁ /	Face piece type ₂ /	No. of cartridges	Type of respiratory protection ₃ /												
						OV	Cl	SO ₂	HCl	NH ₃	MA	PLE	PEST	DFM				
40	MSA	459433 461005 460852	Rp,Fm,Bm	ON	2	X												D,M,A
41	MSA	459434 461006	Rp,Fm,Bm	ON	2	X	X	X										D,M,A
43	MSA	459436 461008	Rp,Fm,Bm	ON	2				X	X								D,M,A
47	MSA	459435 461007	Rp,Fm,Bm	ON	2				X	X	X	X						
49	Norton	7501 7501M	Rp,Fm	ON	2	X												
50	Willson	1221	Rp,Fm	ON	2	X							X	X				D,F,M,A
51	Willson	122110	Rp,Fm	ON	2	X												D,M,A
52	Willson	122113	Rp,Fm	ON	2	X												D,F,M,A
54	Willson	122115	Rp,Fm	ON	2	X							X	X				D,M
55	Scott	70-CL	Es	M	1				X									
56	AO	R5051	Rp,Fm	ON	2	X												
57	AO	R6051	Rp,Fm	ON	2	X												
59	DeVilbiss	MSE-502	Rp,Fm	ON	2	X												
60	AO	R5052	Rp,Fm	ON	2				X	X	X							
61	AO	R6052	Rp,Fm	ON	2				X	X	X							
63	Norton	7504 7504M	Rp,Fm	ON	2								X					

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval issued to	Model number(s)	Respirator type1/ type2/	Face piece type2/	No. of cartridges	Type of respiratory protection2/ OV Cl SO2 HCl NH3 MA PLE PEST DFM								
						OV	Cl	SO2	HCl	NH3	MA	PLE	PEST	DFM
64	Norton	7514 7514M	Rp, Fm	ON	2					X				D, M, A
65	Norton	7503 7503M	Rp, Fm	ON	2	X	X	X	X					
66	Norton	7513 7513M	Rp, Fm	ON	2	X	X	X	X					D, M, A
70	Willson	1224	Rp, Fm	ON	2					X	X			
71	Willson	122410	Rp, Fm	ON	2					X	X			D, M, A
73	Norton	7511 7511M	Rp, Fm	ON	2	X								D, M, A
74	Norton	7549 7549M	Rp, Fm	ON	2								X	
75	Norton	7531 7531M	Rp, Fm	ON	2	X							X	
75	Acme Automotive Finishes	27	Rp, Fm	ON	2	X							X	
76	Willson	1225	Rp, Fm	ON	2	X	X	X	X					
77	Willson	122510	Rp, Fm	ON	2	X	X	X	X					D, M, A
78	3M	W-262 W-264 W-268 W-279 W-263 W-296	Pw, Fm	H/H	1									X
79	MSA	448848 461009	Rp, Fm, Bm	ON	2									X
80	MSA	448849 462241 460853	Rp, Fm, Bm	ON	2	X								X
81	Pulmosan	C256	Rp, Fm	ON	1	X								

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval issued to	Model number(s)	Respirator type1/ type2/	Face piece type2/	No. of cartridges	Type of respiratory protection3/								
						OV	Cl	SO2	HCl	NH3	MA	PLE	PEST	DFM
82	AO	R5053 R6053	Rp,Fm	ON	2	X	X	X	X					
83	AO	R5055 R6055	Rp,Fm	ON	2	X								D,M
84	AO	R8151	Rp,Fm	ON	1	X								
85	AO	R8153	Rp,Fm	ON	1	X	X	X	X					
86	Binks	40-129	Rp,Fm	ON	2	X								
87	Binks	40-128	Rp,Fm	ON	2	X							X	
88	Glendale	GR2021 GR4021	Rp,Fm	ON	2	X								
89	Glendale	GR2021-10 GR4021-10	Rp,Fm	ON	2	X								D,M
90	Glendale	GR2021-20 GR4021-20	Rp,Fm	ON	2	X							X	
91	Pulmosan	Q259	Rp,Fm	ON	1	X								D,M
92	AO	R8191P	Rp,Fm	ON	1	X						X		D,M
93	AO	R8151P	Rp,Fm	ON	1	X						X		D,M
94	AO	R5051P	Rp,Fm	ON	2	X						X		D,M
95	AO	R6051P	Rp,Fm	ON	2	X						X		D,M
96	DeVilbiss	MSP-505	Rp,Fm	ON	2	X						X		D,M
97	AO	R5091P	Rp,Fm	ON	2	X						X		D,M
98	AO	R6091P	Rp,Fm	ON	2	X						X		D,M
99	Cesco	94R40	Rp,Fm	ON	2	X								

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval issued to	Model number(s)	Respirator type	Face piece type	No. of cartridges	Type of respiratory protection								
						OV	Cl	SO2	HCl	NH3	MA	PLE	PEST	DFM
114	Scott	604032-13 6411-2113 6411-3113 6413-2113 6413-3113	Rp,Fm	ON	2	X								D,M
115	Scott	604022-01 6413-2001 6413-3001 6411-2001 6411-3001	Rp,Fm	ON	2		X	X	X					
116	Scott	604032-01 6411-2101 6411-3101 6413-2101 6413-3101	Rp,Fm	ON	2		X	X	X					D,M
117	Scott	604032-00 6411-2213 6411-3213 6413-2213 6413-3213	Rp,Fm	ON	2	X						X		
118	U.S. Safety	150T20	Fm	ON	2	X								
119	Cesco	95RC25	Fm	ON	2	X								
120	U.S. Safety	150T23	Rp,Fm	ON	2	X								D,M,A
121	Cesco	95RC45	Rp,Fm	ON	2	X								D,M,A
122	Norton	7542, 7542M	Rp,Fm	ON	2		X	X	X					D,M,A
123	3M	8712 8717	Su	ON	1	X						X		D,M
124	Cover	1482-G100- F102	Rp,Fm	ON	2		X						X	
124	Eastern	E454	Rp,Fm	ON	2		X						X	
124	Sellstrom	315-G100- F102	Rp,Fm	ON	2		X						X	
124	Safe-Tex	236-G100- F102	Rp,Fm	ON	2		X						X	

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval issued to	Model number(s)	Respirator type	Face piece type	No. of cartridges	Type of respiratory protection									
						OV	Cl	SO2	HCl	NH3	MA	PLE	PEST	DFM	
125	U.S. Safety	150T24	Rp,Fm	ON	2	X								X	
126	Cesco	95RC35	Rp,Fm	ON	2	X								X	
127	Stewart- Warner	7931	Rp,Fm	ON	2	X								X	
128	Northcott	70-450	Rp,Fm	ON	2	X								X	
129	3M	8714 8720	Su	ON	1		X	X	X						D,M
130	Willson	1621 1721	Rp,Fm	FF	2	X									
131	Willson	162113 172113	Rp,Fm	FF	2	X									D,M,F
133	Willson	162115 172115	Rp,Fm	FF	2	X							X	X	D,M
134	Willson	162110 172110	Rp,Fm	FF	2	X									D,M,A
139	Willson	1624 1724	Rp,Fm	FF	2					X	X				
140	Willson	162410 172410	Rp,Fm	FF	2					X	X				
141	Willson	1625 1725	Rp,Fm	FF	2	X	X	X	X						
142	Willson	162510 172510	Rp,Fm	FF	2	X	X	X	X						D,M,A
143	Scott	70-AG	Es,Fm	M	1		X	X	X						
144	MSA	461848	Rp,Fm	FF	2	X									D,M,A
145	MSA	461849	Rp,Fm	FF	2		X	X	X						D,M,A

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval issued to	Model number(s)	Respirator type	Face piece type	No. of cartridges	Type of respiratory protection											
						OV	Cl	SO2	HCl	NH3	MA	PLE	PEST	DFM			
146	MSA	461850	Rp,Fm	FF	2	X	X	X	X								D,M,A
147	MSA	461851	Rp,Fm	FF	2						X	X					D,M,A
148	MSA	461858	Rp,Fm	FF	2										X		
149	MSA	461846	Rp,Fm	FF	2	X								X			
150	MSA	461854	Rp,Fm	FF	2	X	X	X									H
151	MSA	461852	Rp,Fm	FF	2	X											D,M,A
152	MSA	461857	Rp,Fm	FF	2						X	X					H
153	MSA	461855	Rp,Fm	FF	2	X	X	X	X								H
154	MSA	461856	Rp,Fm	FF	2	X	X	X	X								DFMAR
155	MSA	461853	Rp,Fm	FF	2	X											H
156	MSA	461835 462239	Rp,Fm,Bm	ON	2			x	x	x							H
157	MSA	460965 462238	Rp,Fm,Bm	ON	2	X											D,M,A
158	MSA	460849 461015	Rp,Fm,Bm	ON	2						X	X					H
159	MSA	460847 461013	Rp,Fm,Bm	ON	2	X	X	X	X								H
160	MSA	460848 461014	Rp,Fm,Bm	ON	2	X	X	X	X								DFMAR
161	MSA	460846 461012	Rp,Fm,Bm	ON	2	X											H
163	Cover	1482-G104 1482-G104-F100	Rp,Fm	ON	2	X	X	X	X								D,M,A

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval Issued to	Model number(s)	Respirator type1/ type2/	Face piece type2/	No. of cartridges	Type of respiratory protection3/									
						OV	Cl	SO2	HCl	NH3	MA	PLE	PEST	DFM	
163	Sellstrom	315-G104-F100	Rp,Fm	ON	2	X	X	X	X						D,M,A
163	Eastern	E-452	Rp,Fm	ON	2	X	X	X	X						D,M,A
164	Cesco	95RC55	Fm	ON	2	X	X	X							
165	Cesco	95RC75	Rp,Fm	ON	2	X	X	X							D,M,A
166	Cesco	95RC85	Fm	ON	2	X	X	X	X						
167	Cesco	95RC105	Rp,Fm	ON	2	X	X	X	X						D,M,A
168	U.S. Safety	150T21	Fm	ON	2	X	X	X							
169	U.S. Safety	150T25	Rp,Fm	ON	2	X	X	X							D,M,A
170	U.S. Safety	150T26	Fm	ON	2	X	X	X	X						
171	U.S. Safety	150T28	Rp,Fm	ON	2	X	X	X	X						D,M,A
172	Scott	6411-2015 6411-3015 604022-15 6413-3015 6413-2015	Fm	ON	2	X	X	X	X						
174	Scott	6411-2115 6411-3115 604032-15 6413-3115 6413-2115	Fm	ON	2	X	X	X	X						D,M,A
175	Norton	75BP31 75BP31M	Rp,Bm	ON	2	X								X	
176	Norton	75BP04 75BP04M	Rp,Bm	ON	2				X						

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval issued to	Model number(s)	Respirator type	Face piece type	No. of cartridges	Type of respiratory protection								
						OV	Cl	SO ₂	HCl	NH ₃	MA	PLE	PEST	DFM
177	Norton	75BP14 75BP14M	Rp,Em	ON	2					X				D,M,A
178	Norton	75BP49 75BP49M	Rp,Em	ON	2								X	
179	Norton	75BP42 75BP42M	Rp,Em	ON	2			X	X	X				D,M,A
180	Norton	7601 7601S 7601N 7601SN	Rp,Em	FF	2			X						
181	Norton	7603 7603S 7603N 7603SN	Rp,Em	FF	2			X	X	X	X			
182	Norton	7604 7604S 7604N 7604SN	Rp,Em	FF	2							X		
183	Glendale	GR-2022 GR-4022	Rp,Em	ON	2			X	X	X				
184	Glendale	GR-2022-10 GR-4022-10	Rp,Em	ON	2			X	X	X				D,M
185	Norton	7611 7611S 7611N 7611SN	Rp,Em	FF	2			X						D,M,A
186	Norton	7613 7613S 7613N 7613SN	Rp,Em	FF	2			X	X	X	X			D,M,A
187	Norton	7614 7614S 7614N 7614SN	Rp,Em	FF	2							X		D,M,A

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval issued to	Model number(s)	Respirator type	Face piece type	No. of cartridges	Type of respiratory protection									
						OV	Cl	SO2	HCl	NH3	MA	PLE	PEST	DFM	
188	Norton	7631 7631S 7631N 7631SN	Rp,Fm	FF	2	X								X	
189	Norton	7642 7642S 7642N 7642SN	Rp,Fm	FF	2		X	X	X						D,M,A
190	Norton	7649 7649S 7649N 7649SN	Rp,Fm	FF	2									X	
191	U.S. Safety	150T22	Fm	ON	2					X	X				
192	Cesco	95RC65	Fm	ON	2					X	X				
193	U.S. Safety	150T27	Rp,Fm	ON	2					X	X				D,M
194	Cesco	95RC95	Rp,Fm	ON	2					X	X				D,M
195	3M	8721 8722	Su	ON	1		X								D,M
196	3M	8723 8724	Su	ON	1		X	X							D,M
197	Glendale	GR-2025 GR-4025	Rp,Fm	ON	2									X	
198	U.S. Safety	150T30	Fm	ON	2		X							X	
199	Cesco	95RC125	Fm	ON	2		X							X	
200	3M	8716	Su	ON	1										-- 10 ppm vinyl chloride
201	MSA	465986	Rp,Fm	ON	2		X							X	

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-23C-	Approval issued to	Model number(s)	Respirator type ₁ /	Face piece type ₂ /	No. of cartridges	Type of respiratory protection ₃ /							
						OV	Cl	SO ₂	HCl	NH ₃	MA	PLE	PEST
202	Cover	1482-G100 F104	Rp,Fm	ON	2	X						X	D,M
203	Pulmosan	10012	Rp,Fm	ON	1		X	X	X				
204	Norton	7581,7581M	Rp,Fm	ON	2	X							DFMR
205	Norton	75BP81 75BP81M	Rp,Bm	ON	2	X							DFMR
206	Norton	7681,7681S	Rp,Fm	FF	2	X							DFMR
207	Norton	7582, 7582M	Rp,Fm	ON	2		X	X	X				DFMR
208	Norton	75BP82 75BP82M	Rp,Bm	ON	2		X	X	X				DFMR
209	Norton	7682, 7682S	Rp,Fm	FF	2		X	X	X				DFMR
210	Norton	7583, 7583M	Rp,Fm	ON	2		X	X	X	X			DFMR
211	Norton	75BP83 75BP83M	Rp,Bm	ON	2		X	X	X	X			DFMR
212	Norton	7683, 7683S	Rp,Fm	FF	2		X	X	X	X			DFMR
213	Norton	7584, 7584M	Rp,Fm	ON	2						X		DFMR
214	Norton	75BP84 75BP84M	Rp,Bm	ON	2						X		DFMR
215	Norton	7684, 7684S	Rp,Fm	FF	2						X		DFMR

Abbreviations used in lists

Respirator Type

A - Hose mask with blower
AE - Hose mask with blower--abrasive
B - Hose mask without blower
BE - Hose mask without blower--abrasive
C - Airline
CE - Airline--abrasive
CF - Continuous flow
CC - Closed circuit
ODM - Open circuit demand type
OPD - Open circuit pressure demand type
GEN - Oxygen generating
Es(ES) - Escape only
SAR - supplied-air respirator
Pw - Powered
Rp - Replaceable filter
Ru - reusable filter
Su - single-use
AG - Acid gas
OV - Organic vapor
Cl - Chlorine
HCl - Hydrogen chloride
SO₂ - Sulfur dioxide
CO - Carbon monoxide
NH₃ - ammonia
MA - Methyl amine
VC - Vinyl chloride
PEST- Pesticide
PLE - Paint, lacquer, and enamel mists
DFM - (as indicated below):

D - Respirators, either with replaceable or reusable filters, designed as respiratory protection against dusts (1) having an air contamination level not less than 0.05 milligram per cubic meter of air; or (2) dusts having an air contamination level not less than 2 million particles per cubic foot of air.

F - Respirators, with replaceable filters, designed as respiratory protection against fumes of various metals having an air contamination level not less than 0.05 milligram per cubic meter.

M - Respirators, with replaceable filters, designed as respiratory protection against mists of materials having an air contamination level not less than 0.05 milligram per cubic meter or 2 million particles per cubic foot.

H - Respirators, with replaceable filters, designed as respiratory protection against dusts, fumes, and mists having an air contamination level less than 0.05 milligram per cubic meter, and against radionuclides.

R - Respirators, with replaceable filters, designed as respiratory protection against radon daughters, and radon daughters attached to dusts, fumes, and mists.

A - Respirators, with replaceable filters, designed as respiratory protection against asbestos-containing dusts and mists.

S - Single-use dust respirators designed as respiratory protection against pneumoconiosis- and fibrosis-producing dusts, or dusts and mists.

AB - Abrasive blasting.

Service Life

3 min. - 3 minutes
1 hr. - 1 hour

Breathing Gas

A - Compressed Air
O - Compressed Oxygen

Facepiece Type

ON - Orinasal
FF - Full facepiece
H/H - Hood or helmet
MP(M) - Mouthpiece

Regulator, valve, or canister location

Fm - Facepiece mounted
Bm - Belt, chest, or side mounted

Airflow Class

Cf - Continuous flow
Dm - Demand
Pd - Pressure-demand

Hose Length and Pressure Range

These columns apply only to combination devices with supplied air respirators (airline)

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

Approval number TC-13F-	Approval issued to	Model number(s)	Component parts, number(s) and description
27	BioMarine	45-600 45-100	45100, rebreather assembly. 45600 or 45600-A, facepiece and breathing tube assembly. 45200, sorbent canister. (Below 32° F add 45601 cold weather adapter to the above).
28	Robertshaw	900-002-268 -11, -12 Model 5000	900-002-269-01 or 900-002-269-11, storage case. 904-003-206-01, or 904-003-206-02, compressed-air container. 595-900-084-01, facemask and exhalation valve system.
28A	Lear Siegler	5500	205301, case and harness assembly. 202356, compressed-air container. 202375, face mask and exhalation valve system.
29	MSA	457152 457153 457154 96363 95066 463827 463830 463832 463828	96680 or 95940, facepiece. 449267, breathing tube assembly. 94007 or 96337 or 460320, cylinder and valve assembly. 93184, harness. 449911, regulator assembly. (Below 32° F add 96671 or 89863 nose cup assembly to above).
30	MSA	95069 96338 461704 463831 463833 461696 461946 461947 463814 463815	96057, 89107, or 461614, facepiece. 449267, breathing tube assembly. 94007, 96337 or 460320, cylinder and valve assembly. 93184, harness. 449910, regulator assembly. (Below 32° F add 455668 nose cup assembly to above).
32	Siebe Gorman	013831.04	032275.00, facepiece assembly. 059994.10, harness assembly. 059994.11, evaporator, sorbent canister and breathing bag assembly. 032282.01, timer assembly. 029697.01, sorbent, (PROTOSORB)
33	SurvivAir	9081-14, 9881-14	9404-06 or 9424-06, facepiece and regulator assembly. 9661-27, regulator assembly. 9155-22, cylinder assembly. 9304-41 through 50, 9304-70 through 73, or 9304-85, airline hose.

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

Approval number TC-13F-	Approval issued to	Model number(s)	Component parts, number(s) and description
34	SurvivAir	9081-12, 9881-12	9404-05 or 9424-05, facepiece and regulator assembly. 9661-20, regulator assembly. 9155-22, cylinder assembly. 9304-11 through 20, 9304-68 or 9304-80 through 83, airline hose.
35	SurvivAir	9065-03, 9865-03	9421-49 or 9423-49, facepiece and regulator assembly. 9168-01, cylinder assembly. 9456-00, canvas sack. (Below 32° F add 9411-30, nose cup kit).
36	SurvivAir	9069-02, 9869-02, 9069-11, 9869-11	9421-49 or 9423-49, facepiece and regulator assembly. 9155-32, cylinder assembly. 9375-60, case assembly.
38	Drager	BG-174A/3	M174A/3, mask and hoses. R28 072, Panorama Nova Mask ZS w/wiper lens. R27 141, Panorama Nova mask ZT w/communication system. R50395, Panorama Nova mask ZST w/wiper lens and communication system. B174A/3, harness and frame assembly. C174A/3, cylinder and valve. 9X18-28 CO2, canister.
39	Scott	900000-00	800020-04, harness and back-plate assembly. 800010-00 or 800010-10, -02, -12, cylinder and valve assembly. 800013-00, regulator assembly. 800029-00, hose coupling assembly. 801450-13 or 17042, facepiece and tube assembly (Below 32°F add 801432-00 or 22300-01 nose cup assembly to the above).
40	Scott	900014-00	800020-04, harness and back-plate assembly. 800010-00 or 800010-10, -02, -12, cylinder and valve assembly. 800212-00 or 800212-03, regulator assembly. 800029-00, hose coupling assembly. 801500-15 or 40577, facepiece and tube assembly (Below 32°F add 801432-00 or 22300-01 nose cup assembly to the above).
41	Scott	900002-00	800110-02, harness assembly. 800010-01, cylinder and valve assembly. 800013-00, regulator assembly. 800029-01, hose coupling assembly. 801450-13 or 17042, facepiece and tube assembly (Below 32°F add 801432-00 or 22300-01 nose cup assembly to the above).

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

Approval number TC-13F-	Approval issued to	Model number(s)	Component parts, number(s) and description
42	Scott	900015-00	800110-02, harness assembly. 800010-01, cylinder and valve assembly. 800212-00 or 800212-03, regulator assembly. 800029-01, hose coupling assembly. 801500-15 or 40577, facepiece and tube assembly (Below 32°F add 801432-00 or 22300-01 nosecup assembly to above).
43	Globe	2540-W, 2540-B, 2550-W, 2550-B	2221-3, facepiece breathing tube, and quick connect assembly. 2489-2, high-pressure hose, regulator, and demand-valve assembly. (2489-9 for models 2540-B and 2550-B). 1058-18, cylinder and valve assembly. 2644-1, back-pack and harness assembly (Below 32°F add 2254 nosecup to above).
		2526-W, 2526-B, 2552-W, 2552-B	2221-3, facepiece breathing tube, and quick connect assembly. 2489-6, hose, regulator, demand valve, and auxiliary quick connect fitting assembly. (2489-10 for models 2526-B and 2552-B) 1058-18, cylinder and valve assembly. 2644-1, back pack and harness assembly (Below 32°F add 2254 nosecup to above).
44	SurvivAir	9038-00, 9038-02, 9838-00, 9838-02	9411-12 or 9413-20, facepiece. 9123-00, regulator. 9602-47, low pressure warning. 9151-45, cylinder and valve assembly. 9457-00, back pack assembly. (Below 32° F add 9038-90 low-temperature kit to above).
45	SurvivAir	9038-20, 9038-22, 9838-20, 9838-22	9411-60 or 9413-60, facepiece. 9123-01, regulator. 9602-47, low pressure warning. 9151-45, cylinder and valve assembly. 9457-00, back pack assembly. (Below 32°F add 9038-90 low-temperature kit to above).
46	MSA	457150, 95061, 457151, 95068	96680, 96678, 463705, 464557, or 95940, facepiece. 96065, breathing tube assembly. 456104, cylinder and valve assembly. 456066, support assembly. 460255, regulator assembly. (Below 32° F add 96671 or 89863, nosecup assembly to above).

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

Approval number TC-13F-	Approval issued to	Model number(s)	Component parts, number(s) and description
47	MSA	95063, 460262 461697 461703	96057, 89107, or 461414, facepiece. 96065, breathing tube assembly. 456104, cylinder and valve assembly. 456066, support assembly. 460256, regulator assembly. (Below 32°F add 455668, nose cup to the 96057 facepiece or the 96671 nose cup to the 461614 facepiece).
48	Scott	900006	801450-13, facepiece assembly and breathing tube assembly. 802157-00, hose and coupling assembly. 800013-01, regulator assembly. 22034-01 or 22034-02/03, harness and cylinder assembly. 22025-01, coupling hose assembly. 15319/6141, air-supply hose. (Below 32°F add 801432-00 nose cup assembly to the above).
49	Scott	900007	801500-15, facepiece and breathing tube assembly. 802157-00, hose and coupling assembly. 800212-01, regulator assembly. 22034-01 or 22034-02/03, harness and cylinder assembly. 22025-01, coupling hose assembly. 15319/6141, air-supply hose. (Below 32°F add 801432-00 nose cup assembly to the above).
52	MSA	457156	96680, 96679, 463705, or 464557, facepiece. 96065, breathing tube assembly. 455943, cylinder and valve assembly. 456041, regulator. 460744, carrier assembly. (Below 32° F add 96671, nose cup to above).
53	SurvivAir	9081-13, 9881-13 (Foster Couplings)	9425-23 or 9405-23, facepiece and regulator assembly. 9156-36, cylinder assembly. 9304-11 through 20, 9304-68, 9304-80 through 83, air-line hose. (Below 32° F add 9413-30 or 9411-30, nose cup assembly to the above).
54	SurvivAir	9081-15, (Schrader Coupling)	9425-24 or 9405-24, facepiece and 9155-35, cylinder assembly. 9304-41 through 50, 9304-70 through 73, 9304-85, air-line hose. (Below 32° F add 9413-30 or 9411-30, nose cup assembly to the above).

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

Approval number TC-13F-	Approval issued to	Model number(s)	Component parts, number(s) and description
55	MSA	76753	76760, breathing tube and mouthpiece assembly. 77140, cylinder and regulator assembly. 460743, carrier assembly.
56	MSA	96395, 455994	455862 or 455995, facepiece. 460623, breathing tube assembly. 460673, regulator-connector and pressure switch assembly. 455847, harness. 455021 and/or 455022, air-supply hose. 454081, cylinder and valve assembly.
56A	MSA	304213, 304194	304187, facepiece and breathing tube assembly. 454081, cylinder and valve assembly. 304182, regulator assembly. 304191, pressure switch assembly. 304199, carrier and harness assembly. 455021 and/or 455022, air-supply hose.
57	Drager	BG-175A/4	M174A, mask and hoses. R28 072, Panorama Nova Mask ZS w/wiper lens. R27 141, Panorama Nova mask ZT w/communication system. R50395, Panorama Nova mask ZST w/wiper lens and communication system. B174A, harness and frame assembly. C174A/4, cylinder and valve. 9X18-28CO2, canister.
58	Siebe Gorman	01422.10	014080.21, facepiece assembly. 032298.00, regulator and breathing tube assembly. 059976.03, harness and back plate assembly. 041382.01 or 041382.02, cylinder and valve assembly.
59	Siebe Gorman	014422.11	014080.22, facepiece assembly. 041388.00, regulator and breathing tube assembly. 059976.03, harness and back plate assembly. 041382.01 or 041382.02, cylinder and valve assembly.
60	Scott	900050	801450-10, mask assembly. 801709-00, breathing tube assembly or 36786-01 or 36786-03, mask assembly with 802761-01 breathing tube and strap assembly. 801685-00, manifold assembly. 801713-00, cylinder and valve assembly. 66220-00, canister assembly. 801738-00, housing cover assembly. 900050-10, housing assembly.

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

Approval number TC-13F-	Approval issued to	Model number(s)	Component parts, number(s) and description
61	MSA	456989	94331, facepiece. 461998, regulator. 455660, cylinder and valve assembly. 460616, carrier assembly. 460614, regulator and hose assembly.
62	MSA	458178, 458479	96680, 96679, 463705, or 464557, facepiece. 461998, regulator. 455660, cylinder and valve assembly. 460615, carrier assembly. 460613, regulator-connector assembly. 455021 and/or 455022, supply hose assemblies. (Between 32°F and -25°F add 96671 nose cup to the above).
63	Robertshaw	900-002-267 -01, -11	595-900-073-01, full facepiece or 595-900-074-01, half facepiece. 535-900-075, hose and quick-disconnect assembly. 900-002-231, regulator assembly. 535-900-068 or 535-900-069, air-supply hose. 904-003-197-01, container assembly.
64	Robertshaw	900-002-266-01 -02, -03, -04, -11, -12, -13 -14	595-900-068-05, full facepiece assembly or 595-900-065-05, half facepiece assembly. 904-003-190-01, -02, -03, -04, air reservoir and harness assembly, with 535-900-069, air supply hose and additional lengths of 535-900-068, air-supply hose to a maximum length of 250 feet. 900-002-269-01 or 900-002-269-11, storage case. 904-003-206-01 or 904-003-206-02, compressed air container. 595-900-084-01, face mask and exhalation valve system.
65	Robertshaw	900-002-267 -21, -31	595-900-073-01, full facepiece or 595-900-074-01, half-facepiece. 904-003-197-11, container assembly with line gage. 900-002-231, regulator.
66	Scott	900055-01, 900055-03, 900055-04	801450-40 or 8139-6, facepiece assembly. 802281-01 or -02, half facepiece. 802173-00, regulator assembly. 26037-01, hose assembly. 800298-01, regulator and coupling assembly. 801935-03, cylinder and valve assembly. 802200 or 800300, harness assembly. (Below 32°F add 801432-00 nose cup assembly to the above).

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

Approval number TC-13F-	Approval issued to	Model number(s)	Component parts, number(s) and description
67	Scott	900055-09, 900055-10, 900055-17 900055-18	801450-40 or 8139-6, facepiece assembly. 802281-01 or -02, half facepiece. 802173-00, regulator assembly. 26037-01, hose assembly. 800298-02 or 800298-03, regulator and coupling assembly. 801935-03, cylinder and valve assembly. 802200, harness assembly. 30010 and/or 30020, supply hose assemblies. (Below 32°F add 801432-00 nose cup to the above).
68	Scott	900055-13, 900055-14	801450-05, facepiece assembly. 802281-01 or -02, half facepiece. 802236-01, regulator assembly. 802235-01, exhalation valve assembly. 26037-01, hose assembly. 800298-02 or 800298-03, regulator and coupling assembly. 801935-03, cylinder and valve assembly. 802200, harness assembly. 30010 and/or 30020, hose assemblies. (Below 32°F add 801432-00 nose cup to the above).
69	MSA	457159	96680, 96679, 463705, or 464557, facepiece. 96065, breathing tube assembly. 455943, cylinder and valve assembly. 46707, regulator and hose assembly. 460710, harness and back-plate assembly. 455021 and/or 455022, air-supply hose. (Below 32°F add 96671 nose cup to above).
70	MSA	460713, 461698	96057, 89107, or 461614, facepiece. 96065, breathing tube assembly. 455943, cylinder and valve assembly. 460706, regulator hose assembly. 460710, harness and back-plate assembly. 455021 and/or 455022, air-supply hose. (Below 32°F add 96671 or 89863 nose cup to above).

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

Approval number TC-13F-	Approval issued to	Model number(s)	Component parts, number(s) and description
71	Globe	2508	2217-2, facepiece and demand valve assembly with bypass. 1149-9, pressure regulator. 1058-24, cylinder, valve, and gage assembly. 1786-2, holster. (Below 32°F add 2254 noseclip assembly to above).
72	Globe	2509	2217-1, facepiece and demand valve assembly. 1783-10, manifold assembly. 1149-9, pressure regulator. 1058-24, cylinder, valve, and gage assembly. 1786-2, holster. 1783-10, manifold assembly with 1840-25 and/or 1840-50 and/or 1840-100, air-supply hose or 1783-6, manifold assembly with 1850-25, 1850-50, 1850-100, air-supply hose.
73	Scott	900450	802181-01, back-pak assembly. 802167-01, mask facepiece assembly. 802240-01, harness assembly. 802239-01, cylinder and valve assembly. 802220-01 or -02, pressure reducer. 802202-01 or -02, demand regulator. 802228-01, high pressure hose and coupling assembly. (Below 32°F add 60158-00 Lens Preparation to above).
74	Globe	2505, 2505-4	2217-1, facepiece and demand valve assembly. 1149-8, pressure regulator. 1058-24, cylinder, valve and gage assembly. 1552, bag. 1783-4, manifold assembly with 1840-25, 1840-50, and/or 1840-100 air supply hose; or 1783-11 manifold assembly with 1850-25, 1850-50, or 1850-100 air supply hose. (Below 32°F add 2254 noseclip assembly to the above).
75	Globe	2503	2217-2, facepiece and demand valve assembly with bypass. 1149-8, pressure regulator. 1058-24, cylinder, valve, and gage assembly. 1552, bag. (Below 32°F add 2254 noseclip assembly to the above).

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

Approval number TC-13F-	Approval issued to	Model number(s)	Component parts, number(s) and description
76	Scott	900455	802181-01, back pack assembly. 802167-01, mask facepiece assembly. 802240-01, harness assembly. 802239-01, cylinder and valve assembly. 802220-01 or -02, pressure reducer. 802260-01 or -02, pressure demand regulator. 802228-01, high pressure hose and coupling assembly. (Below 32°F add 60158-00 lens preparation to above). 802256-01, gage assembly.
77	MSA	304330	10 min. assembly: 304330 (TC-13F-77) apparatus. 10 min. and 1 hr. assembly: 304330 (TC-13F-77) apparatus. 304303 (TC-13F-77), canister.
78	MSA	464213	464213, assembly.
79	Scott	900220	802181-02, backpack assembly. 802167-01, mask facepiece assembly. 802240-01, harness assembly. 800010-14, cylinder and valve assembly. 802276-01, pressure reducer with 802203-02, regulator assembly. 802228-02, high pressure hose and coupling assembly. 802256-02, gage assembly.
80	Scott	900225	802181-02, backpack assembly. 802167-01, mask facepiece assembly. 802240-01, harness assembly. 800010-14, cylinder and valve assembly. 802276-01, pressure reducer with 802260-02, regulator assembly. 802228-02, high pressure hose and coupling assembly. 802256-02, gage assembly. (Below 32°F add 60158-00 lens preparation to above.)
81	Globe	2840-W	2221-5, facepiece, breathing tube, and quick-connect assembly. 2856-2, high pressure hose, regulator, and pressure demand valve assembly. 1058-18, cylinder and valve assembly. 2644-2, backpack and harness assembly. (Below 32°F add 2254 nose cup to above).
82	SurvivAir	9045-20, 9045-22, 9845-20, 9845-22	9411-66 or 9413-66, facepiece and hose assembly. 9125-01, regulator. 9606-00, alarm. 9161-00, cylinder assembly. 9460-00, harness assembly. 9378-00, carrying case.

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

Approval number TC-14G-	Approval issued to	Model number(s)	Component parts, number(s) and description
82	MSA	455299	455299, respirator assembly.
83	Drager	810	FSR810, respirator assembly.
84	MSA	461481, 461482, 461483, 461484, 461485, 461486	95940, 84304, or 96680, facepiece. 88306, 457168, or 457175, breathing tube assembly. 84937 or 84938, harness. 461480 (TC-14G-84), canister.
85	Scott	601211-17, 601221-17 60111-17 60121-17 601511-17 601521-17	742, 805, or 600121, facepiece. 6108-10 or 6110-27, breathing tube assembly. 565 or 600309-00, harness. 084-VCL (TC-14G-85), canister.
86	MSA	448983, 448984, 448985, 448986	95940, 96679, 463705, 464557, or 96680, facepiece. 448972 (TC-14G-86), canister.
87	MSA	448975, 448976, 448977, 448978	95940, 96679, 463705, 464557, or 96680, facepiece. 448974 (TC-14G-87), canister.
88	MSA	448979, 448980, 448981, 448982	95940, 96679, 463705, 464557, or 96680, facepiece. 448973 (TC-14G-88), canister.
89	MSA	460131, 460132, 460133, 460134	95940, 84304, or 96680, facepiece. 460113 (TC-14G-89), canister.
91	Norton	7820, 7820S, 7829, 7829S 7820N 7820SN 7829N 7829SN	7600-9 or 7600-9S, facepiece. 780060 or 780061, hose assembly. 780039 or 780041, harness assembly. 780062, connector. 7800-2VC (TC-14G-91), canister.
92	MSA	461133, 461134, 461140, 461141	95940, 96679, 463705, 464557, or 96680, facepiece. 461132 (TC-14G-92), canister.
93	Willson	2164F, 2264F	2100 or 2200, facepiece assembly. 64F (TC-14G-93), canister.

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

Approval number TC-14G-	Approval issued to	Model number(s)	Component parts, number(s) and description
94	Willson	2161F, 2261F	2100 or 2200, facepiece assembly. 61F (TC-14G-94), canister.
95	Willson	2162F, 2262F	2100 or 2200, facepiece assembly. 62F (TC-14G-95), canister.
96	MSA	465331 465327	96680, facepiece assembly (7-203-1). 88306 or 457175, breathing tube assembly. 84937 or 84938, harness. 465363 (TC-14G-96), canister.
97	MSA	448932 448933 448934, 448935, 448920, 448921, 448922, 448923, 448924, 448925	95940, 96680, facepiece assembly (7-203-1 or 7-223-1). 88306, 457175, or 457168, breathing tube assembly. 84937 or 84938, harness. 448965 (TC-14G-97), canister. 448969 (TC-14G-97), canister. 449888 (TC-14G-97), canister.
98	MSA	460125, 460126, 460127, 460128, 460129, 460130	95940 or 96680, facepiece assembly (7-203-1 or 7-223-1). 88306, 457175, or 457168, breathing tube assembly. 84937 or 84938, harness. 460116 (TC-14G-98), canister.
99	MSA	448940, 448941, 448942, 448943	95940 or 96680, facepiece assembly (7-203-1 or 7-223-1). 88306 or 457175, breathing tube assembly. 84937 or 84938, harness. 448966 (TC-14G-99), canister. 465326 (TC-14G-99), canister.
100	MSA	460119, 460120, 460121, 460122, 460123, 460124	95940 or 96680, facepiece assembly (7-203-1 or 7-223-1). 88306, 457175, or 457168, breathing tube assembly. 84937 or 84938, harness. 460117 (TC-14G-100), canister.
101	MSA	448926, 448927, 448928, 448929, 448930, 448931	95940 or 96680, facepiece assembly (7-203-1 or 7-223-1). 88306, 457175, or 457168, breathing tube assembly. 84937 or 84938, harness. 448964 (TC-14G-101), canister.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-14G-			
102	Scott	6030-1108, 6030-1208, 6030-2208, 6030-2108, 6030-3108, 6030-3208, 6030-4108, 6030-4208	600100-00, 600100-01, or 801450-40, facepiece. 802167-01, mask facepiece. 802240-01, harness assembly. 802472-01, canister adapter. 600252-08, canister assembly.
103	Scott	6030-1104, 6030-1204, 6030-2104, 6030-2204, 6030-3104, 6030-3204, 6030-4104, 6030-4204	600100-00, 600100-01, or 801450-40, facepiece. 802167-01, mask assembly. 802240-01, harness. 802472-01, canister adapter. 600252-04, canister assembly.

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

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description
64	Cesco	PI-800	801-1-AA, 801-1-DA, or 801-1-NA, hood assembly. 800-2 or 800-21, breathing tube assembly. 800-315, 800-325, 800-350, 800-375, or 800-310, air supply hose assembly. 800-6, quick disconnect. 800-5, harness. For Type CE add W-30-2 or W-30A cover lens or W-30SB-2, screen to the above.
64	U.S. Safety	PI-800	801-1-AA, 801-1-DA, or 801-1-NA, hood assembly. 800-2 or 800-21, breathing tube assembly. 800-315, 800-325, 800-350, 800-375, or 800-310, air supply hose assembly. 800-6, quick disconnect. 800-5, harness. For Type CE add W-30-2 or W-30A cover lens or W-30SB-2, screen to the above.
65	SurvivAir	9011-12 9811-12	9404-00 or 9424-00, facepiece and regulator assembly. 9454-00, waist belt. 9304-11 through 20, 9304-68, or 9304-80 through 83, airline hose.
66	SurvivAir	9011-14 9811-14	9405-02 or 9424-02, facepiece and regulator assembly. 9454-00, waist belt. 9304-41 through 50, 9304-70 through 73, or 9304-85, airline hose.
67	SurvivAir	9011-13 9811-13	9405-00 or 9425-00, facepiece and regulator assembly. 9454-00, waist belt. 9304-11 through 20, 9304-68 or 9304-80 through 83, airline hose.
68	SurvivAir	9011-15 9811-15	9405-02 or 9425-02, facepiece and regulator assembly. 9454-00, waist belt. 9304-41 through 50, 9304-70 through 73, 9304-85, airline hose.
69	3M	W-840	W-5002, helmet. W-2861, air-regulating valve and W-5114 breathing tube assembly. W-9463, belt. W-9435, air supply hose.
		W-810	W-5003 BA, helmet. W-2861, air-regulating valve and W-5114 breathing tube assembly. W-9463, belt. W-9435, air supply hose.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-19C-		W-870	W-5005, helmet. W-2861, air-regulating valve and W-5114 breathing tube assembly. W-9463, belt. W-9435, air supply hose.
		W-858	W-5006 BA, helmet. W-2861, air-regulating valve and W-5114 breathing tube assembly. W-9463, belt. W-9435, air supply hose.
		W-856	W-2810, hood. W-2861, air-regulating valve and W-5114 breathing tube assembly. W-9463, belt. W-9435, air supply hose.
		W-275	W-2850, softcap. W-2800, air regulating valve. W-9435, air supply hose. W-5115, breathing tube W-9463, belt.
		W-280	W-2861, air regulating valve. W-9463, belt. W-5201, economy hood and vest. W-9435, air supply hose. W-5114 or W-5115, breathing tube.
		W-283	W-2861, air regulating valve. W-9463, belt. W-2858, grinding helmet. W-9435, air supply hose. W-5114, breathing tube.
		W-292	W-2861, air regulating valve. W-9463, belt. W-2875, softcap. W-9435, air supply hose. W-2866, breathing tube.
70	3 M	W-820	W-5003 BA, helmet. W-6803 CA, vortex with W-5114 breathing tube . W-9435, air supply hose.
		W-888	W-5006 BA, helmet. W-6803 CA, vortex with W-5114, breathing tube. W-9435, air supply hose.
		W-880	W-5005, helmet. W-6803 CA, vortex with W-5114 breathing tube. W-9435, air supply hose.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-19C-			
		W-890	W-5002, helmet. W-6803 CA, vortex with W-5114, breathing tube. W-9435, air supply hose.
		W-881	W-2810, hood. W-6803 CA, vortex with W-5114, breathing tube. W-9435, air supply hose.
		W-276	W2850, softcap. W6803 CA, vortex with W-5114, breathing tube and belt. W9435, air supply hose.
		W-281	W-6803CA, air and temperature regulating valve. W-9435, air supply hose. W5201, economy hood and vest. W-5114, breathing tube assembly.
		W-284	W-6803 CA, vortex with W5114 breathing tube and belt. W-2858, helmet. W-9435, air supply hose.
		W-293	W-2862, vortex with belt. W-2875, softcap. W-9435, air supply hose. W-2866, breathing tube.
71	Scott	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. 618, head harness.
72	Scott	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. 618, head harness.
73	Scott	802230	801450-40/41, facepiece assembly. 800227-00, 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.
74	Scott	801548	801450-05, facepiece assembly. 802236-01, regulator assembly. 802235-01, exhalation valve 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-3. Supplied-air respirators component parts, by approval number.

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description
75	MSA	457165, 84283, 457164 93928, 46539, 94988	96680, 7-203-1, 95940, 7-223-1, or 94331, facepiece. 457158, breathing tube assembly. 81070 or 92656, regulator-connector. 9961, web belt. 455021 or 455022, hose.
77	MSA	457623	96680, 7-203-1, facepiece. 88306, 464509, breathing tube assembly. 460626, harness assembly. 460625, stake and funnel assembly. 17273, air supply hose.
78	MSA	460862, 460863, 460864, 460865 461708, 461717, 461718, 461719	94331, 95940, 7-223-1, or 96680, 7-203-1, facepiece with 9961, web belt or 460861 facepiece with 78362 harness. 457158, breathing tube assembly. 460814, control valve. 455021 and/or 455022, air supply hose. 94331, 95940, 7-223-1, 96680, 7-203-1, facepiece with 9961 web belt or 460861 facepiece with 78362 harness. 457158, breathing tube assembly. 461706, valve. 455021 and/or 455022, air supply hose.
79	Encon	6400	6400-1, helmet and safety cap assembly. 6400-6, inner cape with 6400-5, 6400-5L, 6400-16-5 or 6400-16-5L, outer cape. 6400-10, cold tube. 6400-9, air supply hose assembly. 6400-7, personal air conditioner or 6400-15, air control valve. 6400-16, welder's lens adapter. 6400-3, primary window. 6400-4, cover window. 6400-8, belt.
79	Schmidt	6400	6400-1, helmet and safety cap assembly. 6400-6, inner cape with 6400-5, 6400-5L, 6400-16-5, or 6400-16-5L, outer cape. 6400-10, cold tube. 6400-9, air supply hose assembly. 6400-7, personal air conditioner or 6400-15, air control valve. 6400-16, welder's lens adapter. 6400-3, primary window. 6400-4, cover window. 6400-8, belt.
80	MSA	460903	460886, hood. 94379, cape. 95302, filter. 460893, filter holder. 9961, web belt. 460814, valve. 455021 or 455022, air supply hose.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-19C-			
		460904	460886, hood. 94029, collar. 95302, filter. 460893, filter holder. 9961, web belt. 460814, valve. 455021 or 455022, air supply hose.
		460905	460886, hood. 94379, cape. 95302, filter. 460893, filter holder. 9961, web belt. 460829, connector. 455021 or 455022, air supply hose.
		460906	460886, hood. 94029, collar. 95302, filter. 460893, filter holder. 9961, web belt. 460829, connector. 455021 or 455022, air supply hose.
		461709	460886, hood. 94379, cape. 95302, filter. 460893, filter holder. 9961, web belt. 461706, valve. 455021 or 455022, air supply hose.
		461710	460886, hood. 94029, collar. 95302, filter. 460893, filter holder. 9961, web belt. 461706, valve. 455021 or 455022, air supply hose.
		461711	460886, hood. 94379, cape. 95302, filter. 460893, filter holder. 9961, web belt. 461707, connector. 455021 or 455022, air supply hose.
		461712	460886, hood. 94029, collar. 95302, filter. 460893, filter holder. 9961, web belt. 461707, connector. 455021 or 455022, air supply hose.

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

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description		
81	MSA	460907	72800 and 460885, hood. 94029, collar. 460814, valve. 9961, web belt. 455021 or 455022, air supply hose.		
		460908	460885, hood. 94417, cape. 460814, valve. 9961, web belt. 455021 or 455022, air supply hose.		
		460909	460885, hood. 450924, cape. 460814, valve. 9961, web belt. 455021 or 455022, air supply hose.		
		460910	460885, hood. 94488, collar. 460814, valve. 9961, web belt. 455021 or 455022, air supply hose.		
		461713	72800 and 460885, hood. 94029, collar. 461706, valve. 9961, web belt. 455021 or 455022, air supply hose.		
		461714	460885, hood. 94417, cape. 461706, valve. 9961, web belt. 455021 or 455022, air supply hose.		
		461715	460885, hood. 450924, cape. 461706, valve. 9961, web belt. 455021 or 455022, air supply hose.		
		461716	460885, hood. 94488, collar. 461706, valve. 9961, web belt. 455021 or 455022, air supply hose.		
		82	Pulmosan	AL180 #10168	10939, facepiece and breathing tube assembly. 10942, belt with orifice coupler assembly. 20138, 20141, or 20144, air supply hose.

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

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description
83	Willson	1810 1820	R726 or R727, facepiece. R728, breathing tube subassembly. R729, airline belt subassembly. R714, air supply hose.
84	Bullard	77	77-0, helmet assembly, 464, capes, 46-4 HP or 77-AC, valves. V-10-25-ST or V-10-25-EXT, air supply hoses. 77-1-B and 77-1, lenses.
84	Anderson	77	77-0, helmet assembly, 464, capes. 46-4-HP or 77-AC, valves. V-10-25-ST or V-10-EXT, air-supply hoses. 77-1-B and 77-1, lenses.
84	Bowen	77	77-0, helmet assembly, 464, capes. 46-4-HP or 77-AC, valves. V-10-25-ST or V-10-EXT, air-supply hoses. 77-1-B and 77-1, lenses.
84	Pauli & Griffin	77	77-0, helmet assembly, 464, capes. 46-4-HP or 77-AC, valves. V-10-25-ST or V-10-EXT, air-supply hoses. 77-1-B and 77-1, lenses.
84	Empire	77	77-0, helmet assembly, 464, capes. 46-4-HP or 77-AC, valves. V-10-25-ST or V-10-EXT, air-supply hoses. 77-1-B and 77-1, lenses.
84	Kelco	77	77-0, helmet assembly, 464, capes. 46-4-HP or 77-AC, valves. V-10-25-ST or V-10-EXT, air-supply hoses. 77-1-B and 77-1, lenses.
84	Titan	77	77-0, helmet assembly, 464, capes. 46-4-HP or 77-AC, valves. V-10-25-ST or V-10-25-EXT, air-supply hoses. 77-1-B and 77-1, lenses.
84	Key Houston	77	77-0, helmet assembly, 464, capes. 46-4-HP or 77-AC, valves. V-10-25-ST or V-10-25-EXT, air-supply hoses. 77-1-B and 77-1, lenses.
84	Ace Enterprises	77	77-1, helmet assembly, 464, capes. 46-4-HP or 77-AC, valves. V-10-25-ST or V-10-25-EXT, air-supply hoses. 77-1-B and 77-1, lenses.
84	Clemtex	77	77-0, helmet assembly, 464, capes. 46-4-HP or 77-AC, valves. V-10-25-ST or V-10-25-EXT, air-supply hoses. 77-1-B and 77-1, lenses.

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

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description
85	Clemco	46(PCE)	46-0, helmet assembly, 464, capes. 46-4-HP or HCE, valves. V-10-25-ST, V-10-25-EXT, V-10-50-EXT or V-10-100-EXT, air-supply hoses. 46-1-B and 46-1, lenses.
86	AO	R6099	51282, respirator subassembly. 51281, valve and belt assembly. 56030, 56031, or 56032, air supply hose.
87	3M	W-270	W-2817, vortemp with W5114 breathing tube and belt. W5005, helmet. W-9435, air supply hose.
		W-271	W-2817, vortemp with W5114 breathing tube and belt. W-5006 BA, helmet. W-9435, air supply hose.
		W-272	W-2817, vortemp with W5114 breathing tube and belt. W-5003 BA, helmet. W-9435, air supply hose.
		W-274	W-2817, vortemp with W5114 breathing tube and belt. W-2810, hood. W-9435, hose.
		W-277	W-2817, vortemp with W5114 breathing tube and belt. W-2850, softcap. W-9435, air supply hose.
		W-282	W-2817, vortemp with W5114 breathing tube and belt. W-5201, hood. W-9435, air supply hose.
		W-285	W-2817, vortemp with W5114 breathing tube and belt. W-2858, helmet. W-9435, air supply hose.
		W-294	W-2863, vortemp. W-2875, softcap. W-9435, air supply hose. W-2866, breathing tube assembly.
		88	Binks
89	AO	R56001	56001, hood assembly. 56017, canopy assembly. 56016, belt. 56013, coupling. 56030, 56031, or 56032, air supply hose.

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

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description
90	Robertshaw	900-002-264-01 900-002-264-11	595-900-068-01, full facepiece assembly, or 595-900-065-01, half facepiece assembly. 904-003-244 or 904-003-245, harness assembly. 900-002-231, regulator assembly. 595-900-202, hose quick disconnect assembly. 535-900-068 or 535-900-069, air-supply hose.
		900-002-264-02 900-002-264-12	595-900-068-02, full facepiece assembly, or 595-900-065-02, half facepiece assembly. 904-003-244 or 904-003-245, harness assembly. 535-900-252, hose quick disconnect assembly. 900-002-231, regulator assembly. 535-900-068 or 535-900-069, air-supply hose.
		900-002-264-03 900-002-264-13	595-900-068-03, full facepiece assembly or 595-900-065-03, half facepiece assembly. 904-003-244 or 904-003-245, harness assembly. 535-900-253, hose quick disconnect assembly. 900-002-231, regulator assembly. 535-900-068 or 535-900-069, air-supply hose.
		900-002-264-04 900-002-264-14	595-900-068-04, full facepiece assembly or 595-900-065-04, half facepiece assembly. 904-003-244 or 904-003-245, harness assembly. 535-900-255, hose quick disconnect assembly. 900-002-231, regulator assembly. 535-900-068 or 535-900-069, air-supply hose.
91	MSA	457157, 93224, 93225	96680, 7-203-1, 95940, 7-223-1, or 94431, facepiece assembly. 93207, regulator hose assembly. 461998, regulator. 455021 or 455022, air-hose assembly. 93210, belt assembly.

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

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description
92	Globe	2185-6 2185-4	2217-4, facepiece and demand valve with continuous-flow control. 1947-5, airline fitting. 1461-2, waist belt. 1840-25 and/or 1840-50 and/or 1840-100, air-supply hose assemblies; or, 1947-2, airline fitting with 1850-25 or 1850-50 or 1850-100 or 1850-200, air-supply hose assemblies.
93	MSA	89104, 461669, 461699, 461700	96057, 7-239-1 or 461614, 7-212-1, facepiece assembly. 457158, breathing tube. 462284 or 461670, regulator assembly. 9961, belt assembly. 455021 or 455022, air hose assembly.
94	Willson	1850 1860	R740 or R741, full facepiece assembly. R728, breathing tube assembly. R729, belt assembly. R714, air supply hose.
95	Pulmosan	AL330	10783, facepiece and breathing tube assembly. 10942, belt with orifice coupler assembly. 20138, 20141, or 20144, air supply hose (with 10924 or 10954 cushion).
96	Cesco	801	801-1-AA, 801-1-DA or 801-1-NA, hood assembly. 801-2, breathing tube assembly. 801-5, harness assembly. 800-6, quick disconnect assembly. 800-315, 800-325, 800-350, 800-375, or 800-310, air supply hose assembly. For Type CE add W-30-2 or W-30A, cover lens or W-30SB-2, screen to the above.
96	U.S. Safety	801	801-1-AA, 801-1-DA or 801-1-NA, hood assembly. 801-2, breathing tube assembly. 801-5, harness assembly. 800-6, quick disconnect assembly. 800-315, 800-325, 800-350, 800-375, or 800-310, air supply hose assembly. For Type CE add W-30-2 or W-30-A, cover lens or W-30SB-2, screen to the above.
97	Scott	802280-01 -02, -05, -06, -09, -10, -13, -14	802281-01 or 802281-02, facepiece assembly. 800227-00, regulator assembly. 64152-02, exhalation valve assembly. 26022-01 or 26022-03, supply hose, or 26022-01 or 26022-03, supply hose with 26025-01, strap and belt assembly and 30010 or 30020, extension hose.

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

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description
98	Scott	802280-03, -04, -07, -08, -11, -12, -15, -16	802281-01 or 802281-02, facepiece assembly. 802236-01, regulator assembly. 802275-01, exhalation valve assembly. 26022-01 or 26022-03, supply hose, or 26022-01 or 26022-03, supply hose with 26025-01, strap and belt assembly, and 30010 or 30020, extension hose.
99	Pulmosan	20009	200282, hood. 10942, belt with orifice and coupler assembly. 20138, 20141, or 20144, air supply hose.
100	Pulmosan	20027	20285, hood. 10942, belt with orifice and coupler assembly. 20138, 20141, or 20144, air supply hose.
101	MSA	463018, 463019, 463020, 463021, 463022, 463023, 463024, 463025	96680, 7-203-1 or 95940, 7-223-1, facepiece. 463016 (one man) or 463017 (two man) blower and trunk. 14331, harness. 17273, air supply hose. 456651 or 457168, breathing tube.
102	Bullard	999	687, helmet. 690, plenum. 691, 692, or 1164, cape. V-10-10-ST or V-10-25-ST and V-10-25-EXT, hose(s). 605 and 468, lenses. consist of V-10-25-EXT parts only.
102	Clemco	999	687, helmet. 690, plenum. 691 or 692, cape. V-10-10-ST, V-10-25-ST and V-10-25-EXT, hoses. 46-1-B and 468, lenses.
103	MSA	463925,463926 463970,463973, 463974,463983, 463986,463987	463914, helmet 460893, filter holder. 95302, filter 9961, belt 463922, collar or 463923, cape. 460829, 461707, 460814, or 461706, quick-disconnect valve. 455021 or 455022, hose.
104	MSA	463971,463972, 463975,463976, 463984,463985, 463988,463989	463914, helmet. 460893, filter holder. 95302, filter. 9961, belt. 463922, collar or 463923, cape. 463266, 463267, 463265, or 463278, quick disconnect valve. 455020, 455021, or 455022, hose.

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

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description
105	MSA	463939,463979	463910, helmet. 9961, belt. 464817, hood. 463922, collar. 460814 or 461706, quick-disconnect valve. 455021 or 455022, hose.
106	MSA	463980,463981	463910, helmet. 9961, belt. 464817, hood. 463922, collar. 463265 or 463278, quick-disconnect valve. 455020, 455021, or 455022, hose.
107	MSA	463929,463930, 463959,463962, 463963,463967	463913, helmet. 9961, belt. 463931, collar or 463912 or 463918, cape. 460814 or 461707, quick-disconnect valve. 455021 or 455022, hose.
108	MSA	463960,463961, 463964,463965, 463968,463969	463913, helmet. 9961, belt. 463931, collar or 463912 or 463918, cape. 463265 or 463278, quick-disconnect valve. 455020, 455021, or 455022, hose.
109	Norton	85101	86001, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86007, air hose assembly.
		85102	86001, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86008, air hose assembly.
		85103	86001, facepiece assembly.
		85105	86005, air control valve assembly.
		85107	86006, quick connect coupling.
		85109	86009, air hose assembly.
		85111	
		85113	
		85104	86001, facepiece assembly.
		85106	86006, air control valve assembly.
		85108	86006, quick connect coupling.
		85110	86008, 86009, air hose assembly.
		85112	
		85114	86002, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86007, air hose assembly.
		85115	86001, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86008, air hose assembly.

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

Approval number TC-19C-	Approval issued to	Model number(s)	Component parts, number(s) and description
		85116	86002, facepiece assembly.
		85118	86005, air control valve assembly.
		85120	86006, quick connect coupling.
		85122	86009, air hose assembly.
		85124	
		85126	
		85117	86002, facepiece assembly.
		85119	86005, air control valve assembly.
		85121	86006, quick connect coupling.
		85123	86008, 86009, air hose assembly.
		85125	
110	Norton	85201	86003, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86007, air hose assembly.
		85202	86003, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86008, air hose assembly.
		85203	86003, facepiece assembly.
		85205	86005, air control valve assembly.
		85207	86006, quick connect coupling.
		85209	86009, air hose assembly.
		85211	
		85213	
		85204	86003, facepiece assembly.
		85206	86005, air control valve assembly.
		85208	86006, quick connect coupling.
		85210	86008, 86009, air hose assembly.
		85212	
		85214	86004, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86007, air hose assembly.
		85215	86004, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86008, air hose assembly.
		85216	86004, facepiece assembly.
		85218	86005, air control valve assembly.
		85220	86006, quick connect coupling.
		85222	86009, air hose assembly.
		85224	
		85226	
		85217	86004, facepiece assembly.
		85219	86005, air control valve assembly.
		85221	86006, quick connect coupling.
		85223	86008, 86009, air hose assembly.
		85225	

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

Approval number TC-21C-	Approval issued to	Model number(s)	Component parts, number(s) and description
132	3M	8710	8710, respirator assembly.
133	MSA	459440	7-201-1, 7-201-2 or 449703, facepiece. 459032, filter (TC-21C-133). 459027, filter covers.
134	MSA	459438 461011 465360	7-201-1, 7-201-2 or 449703, facepiece. 459321, filters (TC-21C-134). For belt mounted, 7-202-1 facepiece, breathing tube and plenum assembly and 459321 (TC-21C-134) filters.
135	MSA	459439 461010 465361	7-201-1, 7-201-2, or 449703, facepiece 459322, filters (TC-21C-135). For belt mounted, 7-201-2 facepiece, breathing tube, and plenum assembly and 459322 filters.
136A	3M	W-250 W-252 W-254 W-255 W-260 W-261 W-267 W-266 W-278 W-295 W-297	W-2031, filter W-2009AA or W-2009AD, back pack harness, or W-2008 or W-2008BA, machine mounting. W-5005, W-5003BA, W-5002, W-5201, W-2810, or W-2850, helmet. W-2851 or W-2875, softcap. 9450, belt. W-5108, W-2884, W-2877, W-2090, breathing tube.
137	3M	W-251 W-265	W-2031, filter. W-2090 or W5108, breathing tube. W-2009AD or W-2009AA, back pack harness. W-2008 or W2008BA, machine mounting. W5006BA, sandblasting helmet. 9450, belt.
138	MSA	96000 457344	96042, filter. 96000 or 457344, facepiece.
139	Willson	560	AR699, respirator component. R707, filter/cartridge holder assembly. R60, filter. R635, filter retainer.
140	Willson	1210	AR700, basic respirator assembly. R10, filters. R682, filter retainers. For full facepiece, AR1600 or AR1700, facepiece, R10 filters, and R682, filter retainers.
141	Willson	1211	AR700, basic respirator assembly. R11, filters. For full facepiece, AR1600 or AR1700 facepiece and R11 filters.

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

Approval number TC-21C-	Approval issued to	Model number(s)	Component parts, number(s) and description
142	Willson	1212	AR700, basic respirator assembly. R12, filters. For full facepiece, AR1600 or AR1700, facepiece and R12 filters.
143	Willson	1400	1400, respirator assembly.
144	AO	R5030	50600, basic respirator sub-assembly. R30, filters. 51062, filter covers.
145	AO	R6030	50206 or 50119, basic respirator sub-assembly. R30, filter discs. 51062, filter covers.
147	AO	R1050	R1050, respirator assembly.
149	Scott	662-1, 662-2	805 or 742, facepiece. 502-R, filter.
150	MSA	88479, 457117	96680, 7-203-1, 7-223-1, or 95940, facepiece. 88480, filter.
151	Norton	7506 7506M	7500-30 or 7500-30M, facepiece assembly. 7500-6, filter. 7500-14, filter cover. 7500-13, filter holders.
152	Norton	7580 7580M	7500-30 or 7500-30M, facepiece assembly. 7500-8, filter.
153	Norton	7406L 7406LM	7400-30 or 7400-30M, facepiece assembly. 7400-6L, filter. 7400-14L, filter cover. 7400-13L, filter holder.
154	Sellstrom	315-F100	B222, respirator assembly. F100, filter.
154	Cover	1482-F100	B222, respirator assembly. F100, filter.
154	Safe-Tex	236-F100	B222, respirator assembly. F100, filter.
154	Eastern	E-450	B222, respirator assembly. F100, filter.
155	MSA	460185	7-204-1 or 460560, facepiece. 459322, filter.
156	MSA	461683	461683, facepiece. 457481, filter.

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

Approval number TC-21C-	Approval issued to	Model number(s)	Component parts, number(s) and description
157	Pulmosan	C-264	10771, body assembly with either 10924, 10954 or 10792 face cushion, L800-8 filter cap and C-264-7, filter or 10768 body assembly, with either 10924, 10795, or 10954, face cushion. C-264-8, adapter and filter cap. C-264-7, filter.
158	Pulmosan	C-263	10768, body assembly. 10924, 10954, face cushion. C-263-7, filter.
159	MSA	460357	460357, facepiece. 457481, filter.
160	AO	R5057, R6057	50600 or 50206 or 50119, basic respirator subassembly. R57, filter.
161	AO	R5056, R6056	50600 or 50206 or 50119, basic respirator subassembly. R56, filter.
162	AO	R8100	51294 or 50270, basic respirator sub-assembly. R100, filter. 51347, filter cover.
163	Cesco	94R20	94, facepiece assembly. R20, filter. 94R9, filter screen.
164	Glendale	GR2000, GR4000	F-200 or F-400, facepiece. F-10, filter. F-14, filter cover.
165	Pulmosan	L800	10771, body assembly. 10924, 10954, or 10795, face cushion. C-264-7, filter. L-800-8, filter cap.
166	AO	R2090N	51460, basic respirator sub-assembly. R90N, filter. 51062, filter cover.
167	DeVilbiss	MSD-507	51461, basic respirator sub-assembly. MSD-508, filter. 51062, filter cover.
168	Norton	75BP80 75BP80M	75BP30, 75BP30M, facepiece assembly. 7500-8, filter.

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

Approval number TC-21C-	Approval issued to	Model number(s)	Component parts, number(s) and description
169	AO	R8156	51294 or 50270, basic respirator sub-assembly. R156, filter.
170	Norton	7170	7170, respirator.
170A	Norton	7170	7170, respirator. (single-use)
171	Norton	7680, 7680S 7680N 7680SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-8 (TC-21C-152), filter. 7600-10, noseclip assembly.
172	Glendale	GR1000, GR3000	F-100 or F-300, facepiece. F-10A, filter. F-14, filter cover.
173	3M	8800	8800, respirator.
174	Binks	40-150	40-150, respirator assembly.
175	Norton	7100, 7100V	7100-30, facepiece assembly. 7100-7 (TC-21C-175), filter.
176	3M	9900	9900, respirator.
177	Scott	604035-00, 6411-2100, 6411-3100, 6413-2100 6413-3100	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps, or 600126-00, facepiece assembly. 64134-00, filter holder. 64100-00, filter retainer. 64127-00 (TC-21C-177), filter.
178	Scott	604022-50, 6411-2050, 6411-3050, 6413-2050, 6413-3050	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps, or 600126-00, facepiece assembly. 604412-50 (TC-21C-178), filter.
179	U.S. Safety	150T10	150, facepiece assembly. PI 159T58, filter holder. 159T59, filter cover. 158T10 (TC-21C-179), filter.
180	Cesco	95RC15	95, facepiece assembly. PI159T58, filter holder. 95R8, filter cover. RC15 (TC-21C-180), filter.
181	MSA	462240	7-202, facepiece, breathing tube and plenum assembly. 459032 (TC-21C-133), filter. 459027, filter cover.

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

Approval number TC-21C-	Approval issued to	Model number(s)	Component parts, number(s) and description
182	Willson	1610, 1710	AR1600 or AR1700, facepiece. R10 (TC-21C-140), filter. R682, filter retainer.
183	Willson	1611, 1711	AR1600 or AR1700, facepiece. R11 (TC-21C-141), filter.
184	Willson	1612, 1712	AR1600 or AR1700, facepiece. R12 (TC-21C-142), filter.
186	MSA	463353, 463354, 463355	463352, 463246, or 463356, facepiece. 463380, motor-blower and hose assembly. 463284 (TC-21C-186), filter. 463239, battery. 463469, belt.
187	MSA	461847	7-204-1, facepiece. 459321 (TC-21C-134), filter.
188	MSA	461845	7-204-1, facepiece. 459032 (TC-21C-133), filter. 459027, filter cover.
189	Glendale	GR-2026, GR-4026	F-200 or F-400, facepiece. C-26 (TC-21C-189), filter.
190	3M	9910	9910 (TC-21C-190), respirator.
191	Norton	7606 7606S 7606N 7606SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-6 (TC-21C-151), filters. 7500-14, filter covers. 7500-13, filter holder.
192			
193	U.S. Safety	150T11	150, facepiece assembly. 158T11 (TC-21C-193), filters.
194	Gesco	95RC16	95, facepiece assembly. RC16 (TC-21C-194), filters.
195	Glendale	SU-1	SU-1, respirator.
196	Cover	1482-F108	B222, respirator. F108 (TC-21C-196), filter. B205, filter retainer.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
40	MSA	459433 461005 460852	449703, 7-201-1, or 7-201-2, facepiece 459315 (TC-23C-40), cartridges. For belt mounted: 7-202-1 facepiece, breathing tube, and plenum assembly, and 459315 (TC-23C-40) cartridges. For dusts and mists add 459032 (TC-21C-133) filters and 459027 filter covers to above.
41	MSA	459434 461006	449703, 7-201-1, or 7-201-2, facepiece. 459316 (TC-23C-41), cartridges. For belt mounted: 7-202-1 facepiece, breathing tube, and plenum assembly, and 459316 (TC-23C-41), cartridges. For dusts and mists, add 459032 (TC-21C-133) filters and 459027 filter covers to above.
43	MSA	459436 461008	449703, 7-201-1, or 7-201-2, facepiece. 459318 (TC-23C-43), cartridges. For belt mounted: 7-202-1 facepiece, breathing tube and plenum assembly, and 459318 (TC-23C-43) cartridges. For dusts and mists, add 459032 (TC-21C-133) filters and 459027 filter covers to the above.
47	MSA	459435 461007	449703, 7-201-1, or 7-201-2, facepiece. 459317 (TC-23C-47), cartridges. For belt mounted: 7-202-1 facepiece, breathing tube, and plenum assembly, and 459317 (TC-23C-47) cartridges. For dusts and mists, add 459032 (TC-21C-133) filters and 459027 filter covers to the above.
49	Norton	7501 7501M	7500-30 or 7500-30M, facepiece or 750BP-30 or 75BP-30M, facepiece assembly. 7500-1 (TC-23C-49), cartridges.
50	Willson	1221	AR700, basic respirator assembly. R21 (TC-23C-50), cartridges.
51	Willson	122110	AR700, basic respirator assembly. R21 (TC-23C-50), cartridges. R10 (TC-21C-140), filters. R682, filter retainers.
52	Willson	122113	AR700, basic respirator assembly. R21 (TC-23C-50), cartridges. R13 (TC-23C-52), filters.
54	Willson	122115	AR700, basic respirator assembly. R21 (TC-23C-50), cartridges. R15 (TC-23C-54), filters. R683, filter retainers.
55	Scott	70-CL	70-CL (TC-23C-55), respirator assembly.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
56	AO	R5051	50206 or 50119, basic respirator sub-assembly. R51 (TC-23C-56/57), cartridges.
57	AO	R6051	50600, basic respirator sub-assembly. R51 (TC-23C-56/57), cartridges.
59	DeVilbiss	MSE-502	50728, basic respirator sub-assembly. MSE-506 (TC-23C-59), cartridges.
60	AO	R5052	50206 or 50119 basic respirator assembly. R52 (TC-23C-60), cartridges.
61	AO	R6052	50600, basic respirator sub-assembly. R52 (TC-23C-60), cartridges.
63	Norton	7504 7504M	7500-30 or 7500-30M, facepiece assembly. 7500-4 (TC-23C-63), cartridges.
64	Norton	7514 7514M	7500-30 or 7500-30M, facepiece assembly. 7500-4 (TC-23C-63), cartridges. 7500-6 (TC-21C-151) filters. 7500-14, filter covers.
65	Norton	7503 7503M	7500-30 or 7500-30M, facepiece assembly. 7500-3 (TC-23C-65), cartridges.
66	Norton	7513 7513M	7500-30 or 7500-30M, facepiece assembly. 7500-3 (TC-23C-65), cartridges. 7500-6 (TC-21C-151) filters. 7500-14, filter covers.
70	Willson	1224	AR700, basic respirator assembly. R24 (TC-23C-70), cartridges.
71	Willson	122410	AR700, basic respirator assembly. R24 (TC-23C-70), cartridges. R10 (TC-21C-140), filters. R682, filter retainers.
73	Norton	7511 7511M	7500-30 or 7500-30M, facepiece assembly. 7500-1 (TC-23C-49), cartridges. 7500-6 (TC-21C-151) filters. 7500-14, filter covers.
74	Norton	7549 7549M	7500-30 or 7500-30M, facepiece assembly. 7500-21 (TC-23C-74), cartridges.
75	Norton	7531 7531M	7500-30 or 7500-30M, facepiece assembly. 7500-1 (TC-23C-49), cartridges. 7500-10 (TC-23C-75), filters. 7500-26, filter covers.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
75	Acme Auto-motive Finishes	27	7500-30 or 7500-30M, facepiece assembly. 7500-1 (TC-23C-49), cartridges. 7500-10 (TC-23C-75), filters. 7500-26, filter covers.
76	Willson	1225	AR700, basic respirator assembly. R25 (TC-23C-76), cartridges.
77	Willson	122510	AR700, basic respirator assembly. R25 (TC-23C-76), cartridges. R10 (TC-21C-140), filters. R682, filter retainers.
78	3M	W-262, W-263 W-264 W-268 W-279 W-296	W-2801, powered air purifier. W-2031 (TC-21C-136A), filter. W-2114 (TC-23C-78), cartridge. W-5005, helmet, W-2810 or W-5201, hood. W-2877, belt and breathing tube. W-2804, pesticide helmet assembly. W-2851 or W-2875, Softcap. W-9450, hose. W-2090 or W-5108, breathing tube
79	MSA	448848 461009	449703, 7-201-1, 7-201-2, or 7-206-1, facepiece assembly. 448847 (TC-23C-79), cartridges. For belt mounted, 7-202-1 facepiece, breathing tube and plenum assembly, and 448847 (TC-23C-79), cartridges.
80	MSA	448849 462241 460853	449703, 7-201-1, 7-201-2, 7-206-1, facepiece assembly. 459315 (TC-23C-40), cartridges. 448842 (TC-23C-80), filters. 448844, filter covers. For belt mounted, 7-202-1 facepiece, breathing tube and plenum assembly, 459315 (TC-23C-40), cartridges, 448842 (TC-23C-80), filters, and 448844, filter covers.
81	Pulmosan	C-256	10768, body assembly with either 10924, 10954, or 10792, face cushion. 17160 (TC-23C-81), cartridge.
82	AO	R5053, R6053	50206 or 50119 or 50600, basic respirator subassembly. R53 (TC-23C-82), cartridge.
83	AO	R5055, R6055	50206 or 50119 or 50600, basic respirator subassembly. R55 (TC-23C-83), cartridge.
84	AO	R8151	51294 or 50270, basic respirator subassembly. R151 (TC-23C-84), cartridge.
85	AO	R8153	51294 or 50270, basic respirator. R153 (TC-23C-85), cartridge.
86	Binks	40-129	460854, facepiece assembly. 40-127 (TC-23C-86), cartridge.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
87	Binks	40-128	460854, facepiece assembly. 40-127 (TC-23C-86), cartridge. 40-131 (TC-23C-87), filter. 40-132, filter cover.
88	Glendale	GR2021 GR4021	F-200 or F-400, facepiece. C-21 (TC-23C-88), cartridge.
89	Glendale	GR2021-10 GR4021-10	F-200 or F-400, facepiece. C-21 (TC-23C-88), cartridges. F-10-S (TC-23C-89), filters. F-21, filter retainer.
90	Glendale	GR2021-20 GR4021-20	F-200 or F-400, facepiece. C-21 (TC-23C-88), cartridge. F-20 (TC-23C-90), filter. F-21, filter retainer.
91	Pulmosan	C-259	10768, body assembly. 10792, 10954, or 10924, face cushion. 17160 (TC-23C-81), cartridge. C-264-7 (TC-21C-157), filter. C-200-8, filter cap.
92	AO	R8191P	51294 or 50270, basic respirator sub-assembly. R191 (TC-23C-92), cartridge.
93	AO	R8151P	51294 or 50270, basic respirator sub-assembly. R151 (TC-23C-84), cartridge. R149 (TC-23C-93), filter. R150, filter clip.
94	AO	R5051P	50206 or 50119, basic respirator sub-assembly. R51 (TC-23C-56/57), cartridge. R49 (TC-23C-94/95), filter. R185, filter clip.
95	AO	R6051P	50206 or 50119 or 50600, basic respirator assembly. R51 (TC-23C-56/57), cartridges. R49 (TC-23C-94/95), filters. R185, filter clips.
96	DeVilbiss	MSP-505	50728, basic respirator assembly. MSE-506 (TC-23C-59), cartridge. MSP-403 (TC-23C-96), filter. MSP-405, filter clip.
97	AO	R5091P	50206 or 50119, basic respirator sub-assembly. R91 (TC-23C-97/98), cartridge.
98	AO	R6091P	50600, basic respirator sub-assembly. R91 (TC-23C-97/98), cartridge.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
99	Cesco	94R40	94, facepiece assembly. R40, cartridge.
100	Pulmosan	C-251	10768, body assembly. 10924, 10954, or 10792, face cushion. 17160 (TC-23C-81), cartridge. C-251-7 (TC-23C-100), filter. C-200-8, filter cap.
100	Fiber Metal	C-251	10768, body assembly. 10924, 10954, or 10792, face cushion. 17160 (TC-23C-81), cartridge. C-251-7 (TC-23C-100), filter. C-200-8, filter cap.
101	Norton	7401L 7401LM	7400-30 or 7400-30M, facepiece assembly. 7400-1L (TC-23C-101), cartridge.
102	Norton	75BP01 75BP01M	75BP30 or 75BP30M, facepiece assembly.
103	Norton	75BP11 75BP11M	75BP30 or 75BP30M, facepiece assembly. 7500-1 (TC-23C-49), cartridge. 7500-6 (TC-21C-151), filter. 7500-14, filter covers.
104	Norton	75BP03 75BP03M	75BP30 or 75BP30M, facepiece assembly. 7500-3 (TC-23C-65), cartridge.
105	Norton	75BP13 75BP13M	75BP30 or 75BP30M, facepiece assembly. 7500-3 (TC-23C-65), cartridge. 7500-6 (TC-21C-151), filter. 7500-14, filter cover.
106	AO	R5058, R6058	50206 or 50119 or 50600, basic respirator subassembly. R58 (TC-23C-106), cartridge.
107	Cover	1482-G100	B222, respirator assembly. G100 (TC-23C-107), cartridge.
107	Sellstrom	315-G100	B222, respirator assembly. G100 (TC-23C-107), cartridge.
107	Safe Tex	236-G100	B222, respirator assembly. G100 (TC-23C-107), cartridge.
107	Eastern Safety	E451	B222, respirator assembly. E451-6C, cartridge.
108	MSA	460400	461319, pocket respirator. 460401 (TC-23C-108), cartridge.
109	AO	R5054, R6054	50206 or 50119 or 50600, basic respirator subassembly. R54 (TC-23C-109), cartridge.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
110	Pulmosan	C-241	10768, body assembly. 10924, 10954, or 10792, face cushion. 17160 (TC-23C-81), cartridge. C-241-7 (TC-23C-110), filter. C-200-8, filter cap.
110	Fiber Metal	C-241	10768, body assembly. 10924, 10954, or 10792, face cushion. 17160 (TC-23C-81), cartridge. C-241-7 (TC-23C-110), filter. C-200-8, filter cap.
111	AO	R9722	51258, basic respirator sub-assembly. R722 (TC-23C-111), cartridge.
113	Scott	604022-13, 6411-2013, 6411-3013, 6413-2013, 6413-3013	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps or 600126-00, facepiece assembly. 604412-13 (TC-23C-113), cartridge.
114	Scott	604032-13, 6411-2113, 6411-3113, 6413-2113, 6413-3113	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps or 600126-00, facepiece assembly. 604412-13 (TC-23C-113), cartridge. 65127-00 (TC-21C-177), filter. 64100-00, filter retainer.
115	Scott	604022-01, 6411-2001, 6411-3001, 6413-2001, 6413-3001	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps or 600126-00, facepiece assembly. 604412-01 (TC-23C-115), cartridge.
116	Scott	604032-01, 6411-2101, 6411-3101, 6413-2101, 6413-3101	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps, or 600126-00, facepiece assembly. 604412-01 (TC-23C-115), cartridge. 64127-00 (TC-21C-177), filter. 64100, filter retainer.
117	Scott	604032-00, 6411-2213, 6411-3213, 6413-2213, 6413-3213	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps or 600126-00, facepiece assembly. 604412-13 (TC-23C-113), cartridge. 68176-00 (TC-23C-117), filter. 64030-00, filter retainer.
118	U.S. Safety	150T20	150, facepiece assembly. 158T20 (TC-23C-118), cartridge.
119	Cesco	95RC25	95, facepiece assembly. RC25 (TC-23C-119), cartridge

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
120	U.S. Safety	158T23	150, facepiece assembly. 158T20 (TC-23C-118), cartridges. 158T10 (TC-21C-179), filters. 159T59, filter covers.
121	Cesco	95RC45	95, facepiece assembly. RC25 (TC-23C-119), cartridges. RC15 (TC-21C-180), filters. 95R8, filter covers.
122	Norton	7542 7542M	7500-30 or 7500-30M, facepiece assembly. 7500-2 (TC-23C-122), cartridges. 7500-40 (TC-23C-122), filters. 7500-14, filter covers.
123	3M	8712 8717	8712 (TC-23C-123), respirator. For dusts and mists add: 8718 (TC-23C-123), filter; 8719, filter retainer.
124	Cover	1482-G100-F102	B222, respirator assembly. G100 (TC-23C-107), cartridges. F102 (TC-23C-124), filters. B205, filter retainers.
124	Eastern	E454	B222, respirator assembly. E451-6C (TC-23C-107), cartridges. F102 (TC-23C-124), filters. B205, filter retainers.
124	Sellstrom	315-G100-F102	B222, respirator assembly. G100 (TC-23C-107), cartridges. F102 (TC-23C-124), filters. B205, filter retainers.
124	Safe-Tex	236-G100-F102	B222, respirator assembly. G100 (TC-23C-107), cartridges. F102 (TC-23C-124), filters. B205, filter retainers.
125	U.S. Safety	150T24	150, facepiece assembly. 158T20 (TC-23C-118), cartridges. 150T24 (TC-23C-125), filters. PI 159T60, filter retainers.
126	Cesco	95RC35	95, facepiece assembly. RC25 (TC-23C-119), cartridges. RC35 (TC-23C-126), filters. PI 159T60, filter retainers.
127	Stewart-Warner	7931	391568, facepiece assembly. 391570 (TC-23C-127), cartridge. 391571 (TC-23C-127), filters. PI 159T60, filter retainers.
128	Northcott	70-450	391568, facepiece assembly. 70-431 (TC-23C-128), cartridges. 70-432 (TC-23C-128), filters. PI 159T60, filter retainers.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
129	3M	8714 8720	8714 (TC-23C-129) respirator. For dusts and mists add 8718 (TC-23C-123) filter and 8719 filter retainer.
130	Willson	1621, 1721	AR1600 or AR1700, facepiece. R21 (TC-23C-50), cartridges.
131	Willson	162113, 172113	AR1600 or AR1700, facepiece. R21 (TC-23C-50), cartridges R13 (TC-23C-52), filters.
133	Willson	162115, 172115	AR1600 or AR1700, facepiece. R21 (TC-23C-50), cartridges. R15 (TC-23C-54), filters. R683, filter retainers.
134	Willson	162110, 172110	AR1600 or AR1700, facepiece. R21 (TC-23C-50), cartridges. R10 (TC-21C-140), filters. R682, filter retainers.
139	Willson	1624, 1724	AR1600 or AR1700, facepiece. R24 (TC-23C-70), cartridges.
140	Willson	162410, 172410	AR1600 or AR1700, facepiece. R24 (TC-23C-70), cartridges. R10 (TC-21C-140), filters. R682, filter retainers.
141	Willson	1625, 1725	AR1600 or AR1700, facepiece. R25 (TC-23C-76), cartridges.
142	Willson	162510, 172510	AR1600 or AR1700, facepiece. R25 (TC-23C-76), cartridges. R10 (TC-21C-140), filters. R682, filter retainers.
143	Scott	70-AG	70-AG (TC-23C-143), respirator.
144	MSA	461848	7-204-1, facepiece. 459315 (TC-23C-40), cartridges. For dusts and mists, add: 459032 (TC-21C-133), filters and 459027, filter covers to the above.
145	MSA	461849	7-204-1, facepiece. 459316 (TC-23C-41), cartridges. For dusts and mists, add: 459032 (TC-21C-133), filters and 459027, filter covers to the above.
146	MSA	461850	7-204-1, facepiece. 459317 (TC-23C-47), cartridges. For dusts and mists, add: 459032 (TC-21C-133), filters and 459027, filter covers to the above.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
147	MSA	461851	7-204-1, facepiece. 459318 (TC-23C-43), cartridges. For dusts and mists, add: 459032 (TC-21C-133), filters and 459027, filter covers to the above.
148	MSA	461858	7-204-1, facepiece. 448847 (TC-23C-79), cartridges.
149	MSA	461846	7-204-1, facepiece. 459315 (TC-23C-40), cartridges. 448842 (TC-23C-80), filters. 448844, filter covers.
150	MSA	461854	7-204-1, facepiece. 461834 (TC-23C-150), cartridges.
151	MSA	461852	7-204-1, facepiece. 460964 (TC-23C-151), cartridges.
152	MSA	461857	7-204-1, facepiece. 460845 (TC-23C-152), cartridges.
153	MSA	461855	7-204-1, facepiece. 460844 (TC-23C-153), cartridges.
154	MSA	461856	7-204-1, facepiece. 460843 (TC-23C-154), cartridges.
155	MSA	461853	7-204-1, facepiece. 460842 (TC-23C-155), cartridges.
156	MSA	461835, 462239	7-201-1 or 7-201-2, facepiece or 7-202-1, facepiece, breathing tube, and plenum assembly (belt-mounted) 461834 (TC-23C-150), cartridges.
157	MSA	460965, 462238	7-201-1 or 7-201-2, facepiece or 7-202-1, facepiece, breathing tube, and plenum assembly (belt-mounted) 460964 (TC-23C-151), cartridge
158	MSA	460849, 461015	7-201-1 or 7-201-2, facepiece or 7-202-1, facepiece, breathing tube, and plenum assembly (belt-mounted) 460845 (TC-23C-152), cartridges.
159	MSA	460847, 461013	7-201-1 or 7-201-2, facepiece or 7-202-1, facepiece, breathing tube, and plenum assembly (belt-mounted) 460844 (TC-23C-153), cartridges.
160	MSA	460848, 461014	7-201-1 or 7-201-2, facepiece or 7-202-1, facepiece, breathing tube, and plenum assembly (belt-mounted) 460843 (TC-23C-154), cartridges.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
161	MSA	460846, 461012	7-201-1 or 7-201-2, facepiece or 7-202-1, facepiece, breathing tube, and plenum assembly (belt-mounted) 460842 (TC-23C-155), cartridges.
163	Cover	1482-G104 1482-G104-F100	B222, respirator assembly. G104 (TC-23C-163), cartridges. F100 (TC-21C-154), filters.
163	Sellstrom	315-G104-F100	B222, respirator assembly. G104 (TC-23C-163), cartridges. F100 (TC-21C-154), filters. For dusts add: F100 (TC-21C-154), filters.
163	Eastern	E-452	B222, respirator assembly. E-452-6, (TC-23C-163), cartridges. F100 (TC-21C-154), filters. B205, filter retainer. For dusts add: F100 (TC-21C-154), filters.
164	Cesco	95RC55	95, facepiece assembly. RC55 (TC-23C-164), cartridges.
165	Cesco	95RC75	95, facepiece assembly. RC55 (TC-23C-164), cartridges. RC15 (TC-21C-180), filters. 95R8, filter covers.
166	Cesco	95RC85	95, facepiece assembly. RC85 (TC-23C-166), cartridges.
167	Cesco	95RC105	95, facepiece assembly. RC85 (TC-23C-166), cartridges. RC15 (TC-21C-180), filters. 95R8, filter covers.
168	U.S. Safety	150T21	150, facepiece assembly. 158T21 (TC-23C-168), cartridges.
169	U.S. Safety	150T25	150, facepiece assembly. 158T21 (TC-23C-168), cartridges. 158T10 (TC-21C-179), filters. 159T59, filter covers.
170	U.S. Safety	150T26	150, facepiece assembly. 158T26 (TC-23C-170), cartridges.
171	U.S. Safety	150T28	150, facepiece assembly. 158T26 (TC-23C-170), cartridges. 158T10 (TC-21C-179), filters. 159T59, filter covers.
172	Scott	6411-2015 6411-3015 604022-15 6413-3015 6413-2015	600131-01 or 600131-03, facepiece. 600109-00 or 600118-00, head straps. 600126-00, facepiece assembly. 604412-15 (TC-23C-172), cartridges.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
174	Scott	6411-2115 6411-3115 604032-15 6413-3115 6413-2115	600131-01 or 600131-03, facepiece, with 600109-00 or 600118-00, head straps, or 600126-00, facepiece assembly. 604412-15 (TC-23C-172), cartridges. 64127-00 (TC-21C-177), filters. 641000-00, filter retainers.
175	Norton	75BP31 75BP31M	75BP-30 or 75BP-30M, facepiece assembly. 7500-1 (TC-23C-49), cartridges. 7500-10 (TC-23C-75), filters. 7500-26, filter covers.
176	Norton	75BP04 75BP04M	75BP-30 or 75BP-30M, facepiece assembly. 7500-4 (TC-23C-63), cartridges.
177	Norton	75BP14 75BP14M	75BP-30 or 75BP-30M, facepiece assembly. 7500-4 (TC-23C-63), cartridges. 7500-6 (TC-21C-151), filters. 7500-14, filter covers.
178	Norton	75BP49 75BP49M	75BP-30 or 75BP-30M, facepiece assembly. 7500-21 (TC-23C-74), cartridges.
179	Norton	75BP42 75BP42M	75BP-30 or 75BP-30M, facepiece assembly. 7500-2 (TC-23C-122), cartridges. 7500-40 (TC-23C-122), filters. 7500-14, filter covers.
180	Norton	7601 7601S 7601N 7601SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-1 (TC-23C-49), cartridges.
181	Norton	7603 7603S 7603N 7603SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-3 (TC-23C-65), cartridges.
182	Norton	7604 7604S 7604N 7604SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-4 (TC-23C-63), cartridges.
183	Glendale	GR-2022 GR-4022	F-200 or F-400, facepiece. C-22 (TC-23C-183), cartridges.
184	Glendale	GR-2022-10 GR-4022-10	F-200 or F-400, facepiece. C-22 (TC-23C-183), cartridges. F-10S (TC-23C-89), filters. F-21, filter retainer.
185	Norton	7611 7611S 7611N 7611SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-1 (TC-23C-49), cartridges. 7500-6 (TC-21C-151), filters. 7500-14, filter covers.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
186	Norton	7613 7613S 7613N 7613SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-3 (TC-23C-65), cartridges. 7500-6 (TC-21C-151), filters. 7500-14, filter covers.
187	Norton	7614 7614S 7614N 7614SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-4 (TC-23C-63), cartridges. 7500-6 (TC-21C-151), filters. 7500-14, filter covers.
188	Norton	7631 7631S 7631N 7631SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-1 (TC-23C-49), cartridges. 7500-10 (TC-23C-75), filters. 7500-26, filter covers.
189	Norton	7642 7642S 7642N 7642SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-2 (TC-23C-122), cartridges. 7500-40 (TC-23C-122), filters. 7500-14, filter covers.
190	Norton	7649 7649S 7649N 7649SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-21 (TC-23C-74), cartridges.
191	U.S. Safety	150T22	150, facepiece assembly. 158T22 (TC-23C-191), cartridges.
192	Cesco	95RC65	95, facepiece assembly. RC65 (TC-23C-192), cartridges.
193	U.S. Safety	150T27	150, facepiece assembly. 158T22 (TC-23C-191), cartridges. 158T10 (TC-21C-179), filters. 159T59, filter covers.
194	Cesco	95RC95	95, facepiece assembly. RC65 (TC-23C-192), cartridges. RC15 (TC-21C-180), filters. 95R8, filter covers.
195	3M	8721 8722	8721 (TC-23C-195), respirator. For dusts and mists add: 8718 (TC-23C-123), filter; 8719, filter retainer.
196	3M	8723 8724	8723 (TC-23C-196), respirator. For dusts and mists add: 8718 (TC-23C-123), filters; 8719, filter retainer.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
197	Glendale	GR-2025 GR-4045	F-200 or F-400, facepiece assembly. C-25 (TC-23C-197), cartridges.
198	U.S. Safety	150T30	150, facepiece assembly. 158T30 (TC-23C-198), cartridges.
199	Cesco	95RC125	95, facepiece assembly. RC125 (TC-23C-199), cartridges.
200	3M	8716	8716 (TC-23C-200), respirator.
201	MSA	465986	7-201-1, facepiece. 459315 (TC-23C-40), cartridges. 465947 (TC-23C-201), filters. 462603, filter covers.
202	Cover	1482-G100-F104	B222, respirator assembly. G100 (TC-23C-107), cartridge. F104 (TC-23C-202), filter. B205, filter retainer.
203	Pulmosan	10012	C200, facepiece assembly. 17165 (TC-23C-203), cartridge.
204	Norton	7581 7581M	7500-30 or 7500-30M, half mask facepiece assembly. 7500-81 (TC-23C-204), cartridges.
205	Norton	75BP81 75BP81M	75BP-30 or 75BP-30M, back pack assembly. 7500-81 (TC-23C-204), cartridges.
206	Norton	7681 7681S	7600-8 or 7600-8S, full facepiece assembly. 7500-81 (TC-23C-204), cartridges.
207	Norton	7582 7582M	7500-30 or 7500-30M, half mask facepiece assembly. 7500-82 (TC-23C-207), cartridges.
208	Norton	75BP82 75BP82M	75BP-30 or 75BP-30M, backpack assembly. 7500-82 (TC-23C-207), cartridges.
209	Norton	7682 7682S	7600-8 or 7600-8S, full facepiece assembly. 7500-82 (TC-23C-207), cartridges.
210	Norton	7583 7583M	7500-30 or 7500-30M, half mask assembly. 7500-83 (TC-23C-210), cartridges.
211	Norton	75BP83 75BP83M	75BP-30 or 75BP-30M, back pack assembly. 7500-83 (TC-23C-210), cartridges.
212	Norton	7683 7683S	7600-8 or 7600-8S, full facepiece assembly. 7500-83 (TC-23C-210), cartridges.
213	Norton	7584 7584M	7500-30 or 7500-30M, half mask assembly. 7500-84 (TC-23C-213), cartridges.

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

Approval number TC-23C-	Approval issued to	Model number(s)	Component parts, number(s) and description
214	Norton	75BP84 75BP84M	75BP-30 or 75BP-30M, backpack assembly. 7500-84 (TC-23C-213), cartridges.
215	Norton	7684 7684S	7600-8 or 7600-8S, full facepiece assembly. 7500-84 (TC-23C-215), cartridges.

NAMES AND ADDRESSES OF MANUFACTURERS AND DISTRIBUTORS

Ace Enterprises, 820 Northwest 144th St., Miami, FL 33168.

Acme Automotive Finishes, 101 Prospect Ave., Cleveland, OH 44115.

American Optical Corp., Safety Products Div., 100 Canal Street, Putnam, CT 06260.

Anderson Manufacturing Co., 1014 Fox Chase Road, Rockledge, PA 19111.

Binks Manufacturing Co., 9201 W. Belmont Ave., Franklin Park, IL 60131.

BioMarine Industries, Inc. 45 Great Valley Center, Malvern, PA 19355.

Bowen Tools, Inc., P.O. Box 3186, Houston, TX 77001.

Bullard, E. D., Co., 2680 Bridgeway, Sausalito, CA 94965.

Cesco Safety Products, Parmelee Industries, Inc., P. O. Box 1237, Kansas City, MO 64141.

Clemco Industries, 2177 Jerrold Ave., San Francisco, CA 94124.

Clentex, Ltd., 248 McCarthy Drive, Houston, TX 77020.

Cover, H.S. Co., 107 East Alexander St., Buchanan, MI 49107.

DeVilbiss Company, 300 Phillips Ave., P.O. Box 913, Toledo, OH 43692.

Dragerwerk, AG, D-24 Luebeck 1, Postfach 1339, Germany.

Eastern Safety Equipment Co., 45-17 Pearson St., Long Island City, NY 11101.

Empire Abrasive Equipment Corp., 9990 Gantry Road, Philadelphia, PA 19115.

Encon Manufacturing Co., 4914 Dickson St., Houston, TX 77007.

Fiber-Metal, P.O. Box 248, Concordville, PA 19331.

Glendale Optical Co., 130 Crossways Park Drive, Woodbury, NY 11797.

Globe Safety Products, Inc., 125 Sunrise Place, Dayton, OH 45407.

Kelco Sales & Engineering Co., P. O. Box 422, Norwalk, CA 90650.

Key Houston, Inc., 13911 Atlanta Blvd., Jacksonville, FL 32225.

Lear Siegler, Inc., 714 North Brookhurst St., Anaheim, CA 92803.

Mine Safety Appliances Co., 400 Penn Center Blvd., Pittsburgh, PA 15235.

Northcott Products Company, 1826 W. Diversey Parkway, Chicago, IL 60614.

Norton Safety Products, 2000 Plainfield Pike, Cranston, RI 02920.

Pauli & Griffin, 137 Utah Avenue, South San Francisco, CA 94080.

Pulmosan Safety Equipment Corp, 30-48 Linden Place, Flushing, NY 11354.

Robertshaw Controls Company, 333 North Euclid Way, Anaheim, CA 92803.

Safe-Tex, Toronto, Ontario, CANADA.

Schmidt Manufacturing Inc., Houston, TX

Scott Aviation, Division of ATO, Inc., Lancaster, NY 14086.

Sellstrom Manufacturing Co., 59 E. Van Buren Street, Chicago, IL 60605.

Siebe Gorman, Ltd., Chessington Surrey, ENGLAND.

Stewart-Warner, Chicago, IL.

SurvivAir, Division of U.S. Divers Co., 3323 W. Warner Ave., Santa Ana, CA 92702.

Titan Abrasive Systems, Inc., P. O. Box 3, Furlong, PA 18925.

3M Company, 3M Center, St. Paul, MN 55101.

United States Safety Service, Parmelee Industries, Inc., P.O. Box 1237, Kansas City, MO 64141.

Willson Products Division, ESB Incorporated, P.O. Box 622, Reading, PA 19603.

LIST OF AVAILABLE TEST PROCEDURES

<u>REPORT NUMBER</u> <u>NIOSH/TC/R-</u>	<u>TEST TITLE</u>	<u>NTIS</u> <u>NUMBER</u>
001	Humidification System for Cartridges and Canisters	PB247314
002	Carbon Monoxide Test System for Canisters	PB247188
003	Determination of Facepiece Carbon-Dioxide Concentration Levels of Self-Contained Breathing Apparatus	PB252695
004	Procedure for Continuous-Flow Respirator Flowrate Determination	PB252694
005	Exhalation Valve Leakage Test	PB252692
006	Procedure for Testing Strength of Hose and Couplings	PB252696
007	Silica Mist Test for Respiratory Protective Devices	PB262620
009	Silica Dust Test for Respiratory Protective Devices	PB278019

SOUND-LEVEL METER SETS

III. Certified Sound-Level Meter Sets

The following sound-level meter sets have been certified by the National Institute for Occupational Safety and Health, Department of Health, Education, and Welfare, as of July 1, 1978, in accordance with regulations appearing in Title 42, Code of Federal Regulations, Part 82.

NIOSH CERTIFIED INDUSTRIAL SOUND LEVEL METER SETS

CERTIFICATION # TC NO. 51-	MANUFACTURER	SOUND LEVEL METER MODEL AND (PART #)	ACOUSTICAL CALIBRATOR MODEL AND (PART #)	REQUIRED PARTS (PART #)	OPTIONAL ACCESSORIES (PART #)
112	Advanced Acoustical Research	101A (0101A)	251 (0251)	(0A-03) Microphone (00101A) Instructions (00251) Instructions	
113	Gen Rad	1982 (1982-9700)	1562 (1562-9701) or 1567 (1567-9701)	(1962-3000) Microphone (1982-0100) Instructions (1562-0100-1) Instructions or (1567-0100-C) Instructions	(1560-7551) Windscreen (1933-0220) Microphone Ext. Cable
114	Gen Rad	1565-B (1565-9702)	1562 (1562-9701) or 1567 (1567-9701)	(1560-2133) Microphone (1565-0101F) Instructions (1562-0100-1) Instructions, or (1567-0100-C) Instructions	(1560-9521) Windscreen
115	Quest	215 (59-910) or 215R(59-910, 59-907, 59-905)	CA-12 (58-970) or CA-15 (58-975)	(58-005) Microphone (59-19) Instructions (98-38) Instructions	(58-115) Windscreen (59-908) Microphone Ext. Cable
116	Quest	211A (58-940) or 211AR (58-940, 59-907, 59-905) or 211FSR (59-900, 59-907, 59-905)	CA-12 (58-970)	(58-005) Microphone (58-80) Instructions	(58-115) Windscreen (59-908) Microphone Ext. Cable
117	Simpson	884 (12619)	890 (12618)	(5-117166) Microphone (6-111072) Instructions (6-111073) Instructions	(00197) Windscreen
118	Simpson	886 (12620)	890 (12618)	(00183) Microphone (6-111071) Instructions (6-111073) Instructions	(00197) Windscreen (00198) Microphone Ext. Cable
119	MSA	S2A (695092)	MSA (695094)	(695199) Microphone (462647) Instructions	(695097) Windscreen
120	MSA	2 (695090)	MSA (695094)	(695200) Microphone (462647) Instructions	(695097) Windscreen (695099) Microphone Ext. Cable

INDUSTRIAL SOUND LEVEL METER SET MANUFACTURERS OR DISTRIBUTORS

Advanced Acoustical Research Corporation
1211 Stewart Avenue
Bethpage, New York 11714
(516) 938-6640

GenRad
300 Baker Avenue
Concord, Massachusetts 01742
(617) 369-4400

Mine Safety Appliances Company
201 North Braddock Avenue
Pittsburgh, Pennsylvania 15208
(412) 241-5900

Quest Electronics
510 Worthington Street
P.O. Box 128
Oconomowoc, Wisconsin 53066
(414) 567-9157

Simpson Electric Company
853 Dundee Avenue
Elgin, Illinois 60120
(312) 697-2260

TEST PROCEDURES FOR INDUSTRIAL SOUND LEVEL METER SETS

<u>REPORT NUMBER</u> <u>NIOSH/TC/P-</u>	<u>TEST TITLE</u>	<u>NTIS</u> <u>NUMBER</u>	<u>PRICE</u>
001	ISLM Vibration Sensitivity Test	PB24733	\$4.00
002	ISLM Amplifier Distortion Test	PB247332	\$4.50
003	ISLM Battery Indicator Test	PB250815	\$4.00
004	ISLM Slow Dynamic Characteristic Test	PB250816	\$4.00
005	ISLM Attenuator Tolerance Test	PB252088	\$4.00
006	ISLM Internal Noise in dBA Test	PB252089	\$4.00
007	ISLM Scale of the Indicating Instrument Test	PB257905	\$4.00
008	ISLM Acoustical Calibrator Accuracy Test	PB262621	\$4.00
009	ISLM Output Connection Test	PB262622	\$4.00
010	ISLM Magnetic Field Sensitivity Test	PB259623	\$4.00
011	ISLM Amplifier Overload Distortion Test	PB266264	\$4.50
012	ISLM Internal Noise in Octave Bands Test	PB268952	\$4.00
014	ISLM Square Law Characteristic Test	PB273653	\$4.50

ORDER FROM

National Technical Information Service
 Department of Commerce
 P.O. Box 1553
 Springfield, Virginia 22161
 Phone 703-557-4650

PRICES ARE SUBJECT TO CHANGE