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NIOSH CERTIFIED EQUIPMENT

as of

June 1, 1980

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 May 1, 1980, (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.

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.

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Certification applicants have voluntarily withdrawn certain products from the market.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 (304/599-7337) 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, 1980, the following CMDPSU's are certified by NIOSH:

<u>CERTIFICATION</u> <u>NUMBER</u>	<u>CERTIFICATE</u> <u>HOLDER</u>	<u>MODEL</u>
TC-74-015	MSA	G
TC-74-024	Bendix	C-115
TC-74-025	Bendix	Micronair II
TC-74-026	Bendix	30/31 (also with tamperproof cassette)
TC-74-027	Bendix	44
TC-74-028	MSA	G (tamperproof cassette)

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

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, 1980. The units are sorted by the gas for which they are certified.

Table II-1. COMPOUNDS ANNOUNCED FOR GAS DETECTOR TUBE CERTIFICATION
As of July 1, 1980

Gas	CAS Registry No.	Test Conc.(ppm)	Certified Range(ppm)	Common Synonyms
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	
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

07/22/80

Calibrated For	Certification	Manufacturer	Model Tube/Pump(s)
Acetone	* TC-84-054	MSA	460423/83499 or 463998
Ammonia	* TC-84-023	Gastec	3M/400
Ammonia	* TC-84-031	Drager	CH20501/31
Ammonia	* TC-84-032	Kitagawa	105Sc/400
Ammonia	* TC-84-033	Kitagawa	105c/400
Ammonia	* TC-84-034	MSA	460103/83499 or 463998
Benzene (A)	* TC-84-043	Gastec	121/400
Benzene (A)	* TC-84-044	Drager	67-28071/31
Carbon Dioxide	TC-84-021	Gastec	2L/400
Carbon Dioxide	TC-84-025	MSA	85976/83499 or 463998
Carbon Dioxide	TC-84-026	Kitagawa	126Sa/400
Carbon Dioxide	TC-84-027	Kitagawa	126a/400
Carbon Dioxide	TC-84-029	Drager	CH23501/31
Carbon Disulfide	* TC-84-066	Drager	67-28351/31
Carbon Monoxide (A)	TC-84-012	Drager	CH25601/31
Carbon Monoxide (A)	TC-84-013	Drager	CH20601/31
Carbon Monoxide (A)	TC-84-014	Gastec	1La/400
Carbon Monoxide (A)	TC-84-015	MSA	91229/83499 or 463998
Carbon Monoxide (A)	TC-84-019	Kitagawa	106S/400
Carbon Monoxide (A)	TC-84-045	Kitagawa	100/400
Carbon Monoxide (A)	TC-84-067	MSA	465519/83499 or 463998
Carbon Monoxide (B)	TC-84-013	Drager	CH20601/31
Carbon Monoxide (B)	TC-84-067	MSA	465519/83499 or 463998
Carbon Tetrachloride	TC-84-036	Gastec	134/400
Chlorine	* TC-84-041	Gastec	8La/400
Chlorine	* TC-84-042	MSA	460225/83499
Chlorine	* TC-84-070	Drager	67-28411/31
Ethyl Benzene	* TC-84-064	Drager	67-28381/31
Ethylene Dichloride	* TC-84-058	MSA	461863/83499 or 463998
Hexane (normal)	* TC-84-063	Drager	67-28391/31
Hydrogen Chloride	TC-84-071	Drager	CH29501/31
Hydrogen Cyanide	TC-84-051	Drager	CH25701/31
Hydrogen Cyanide	* TC-84-052	Kitagawa	1128b/400
Hydrogen Cyanide	* TC-84-068	Gastec	12 L/400
Hydrogen Sulfide (A)	TC-84-020	Gastec	4LL/400
Hydrogen Sulfide (A)	TC-84-022	MSA	460058/83499 or 463998
Hydrogen Sulfide (A)	TC-84-024	Drager	67-19001/31
Hydrogen Sulfide (A)	TC-84-037	Kitagawa	120b/400
Hydrogen Sulfide (B)	TC-84-062	Drager	CH29801/31
Hydrogen Sulfide (B)	TC-84-072	MSA	463875/83499 or 463998
Methyl Bromide	* TC-84-056	Drager	67-28211/31
Methylene Chloride	* TC-84-061	Drager	67-28331/31
Nitric Oxide	* TC-84-048	Drager	CH31001/31
Nitric Oxide	* TC-84-049	Gastec	10/400
Nitric Oxide	* TC-84-059	MSA	460424/83499 or 463998

NIOSH CERTIFIED GAS DETECTOR TUBE UNITS

07/22/80

Calibrated For	Certification	Manufacturer	Model Tube/Pump(s)
Nitrogen Dioxide	* TC-84-016	Drager	CH30001/31
Nitrogen Dioxide	* TC-84-018	Gastec	9L/400
Nitrogen Dioxide	* TC-84-040	MSA	83099/83499 or 463998
Nitrogen Dioxide	* TC-84-048	Drager	CH31001/31
Perchloroethylene	* TC-84-065	MSA	460467/83499 or 463998
Sulfur Dioxide	* TC-84-017	Gastec	5La/400
Sulfur Dioxide	TC-84-028	Kitagawa	103Sd/400
Sulfur Dioxide	TC-84-030	Drager	CH31701/31
Sulfur Dioxide	TC-84-035	Kitagawa	103d/400
Sulfur Dioxide	TC-84-046	MSA	92623/83499 or 463998
Sulfur Dioxide	TC-84-069	Drager	67-28491/31
Toluene	TC-84-050	Drager	CH23001/31
Toluene	TC-84-053	Gastec	122/400
Toluene	TC-84-057	MSA	461371/83499 or 463998
Trichloroethylene	TC-84-038	Gastec	132H/400
Trichloroethylene	TC-84-039	Drager	CH24401/31
Trichloroethylene	TC-84-055	MSA	460328/83499 or 463998
Vinyl Chloride	TC-84-060	Gastec	131L/400

* The unit indicates a general class of compounds (amines, hydrocarbons, strong oxidants, etc.) to differing degrees. The calibration is certified only for the compound listed.

NAMES AND ADDRESSES OF MANUFACTURERS AND DISTRIBUTORS

Bendix Corp., P.O. Drawer 831, Lewisburg, WV 24901 (Gastec).

Matheson Gas Products, 1275 Vally Brook Ave., Lyndhurst, NJ 07071 (Kitagawa).

Mine Safety Appliances Co., 3880 Meadowbrook Rd., Murrysville, PA 15668.

National Mine Service Co., 3000 Koppers Bldg, Pittsburgh, PA 15219 (Drager--
Mining Industries).

National Drager, Inc., 401 Parkway View Dr., Pittsburgh, PA 15205 (Drager--
Non-Mining Industries).

RESPIRATORY PROTECTIVE DEVICES

The following respiratory protective devices have been approved by the Mine Safety and Health Administration, Department of Labor, and the National Institute for Occupational Safety and Health, Department of Health and Human Services, as of June 1, 1980, 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	BG-174A/3	O	3 hr.	FF	CC	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.
39	Scott	900000-00	A	30 min.	FF	ODM	Bm	--	--
40	Scott	900014-00	A	30 min.	FF	OPD	Bm	--	--
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

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.
				min.					
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
54	SurvivAir	9081-15 9881-15	A	5 min.	FF	ES,OPD,SAR	Fm	4-250	50-125
55	MSA	76753	A	5 min.	MP	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	Steele-Gorman	014422,10	A	30 min.	FF	ODM	Fm	--	--
59	Steele-Gorman	014422,11	A	30 min.	FF	OPD	Fm	--	--
60	Scott	900050	O	4 hr.	FF	CC	Bm	--	--
61	MSA	456989	A	5 min.	DN	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	A	5 min.	ON,FF	ES,OPD,SAR	Fm	25-250	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.
		-04, -11, -12 -13, -14							
65	Robertshaw Controls	900-002-267 -21, -31	A	15 min.	ON,FF	OPD	Fm	--	--
66	Scott	900055-01 900055-03 900055-02 900055-21 900055-30 900055-31 900055-04	A	5 min.	ON,FF	ES,ODM	Fm	--	--
67	Scott	900055-09 900055-10 900055-17 900055-18 900055-05 900055-06 900055-32 900055-33	A	5 min.	ON,FF	ES,ODM,SAR	Fm	10-250	60-125
68	Scott	900055-13 900055-14 900055-24 900055-25	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,	A	15 min.	FF	ES,ODM,SAR	Fm	25-100	50-70

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.
		2505-4							
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	Fm	--	--
80	Scott	900225	A	30 min.	FF	OPD	Fm	--	--
82	SurvivAir	9045-20 9045-22 9845-20 9845-22	A	30 min.	FF	OPD	Bm	--	--
83	MSA	465251	A	5 min.	ON	ES, ODM	Bm	--	--
84	BioMarine	BioPak 30	O	30 min.	FF	CC	Bm	--	--
85	BioMarine	BioPak 60	O	60 min.	FF	CC	Bm	--	--
86	SurvivAir	00028-00	A	5 min.	HH	ES, CF	Bm	--	--
87	Drager	OXY-SR60A	O	60 min.	MP	ES, CC	Bm	--	--
88	Scott	802300-02	O	15 min.	HH	ES, CC	Fm	--	--
89	MSA	465182, 465183, 465185 465186, 465199 465200, 465202	A	30 min.	FF	ODM, SAR	Bm	25-300	50-100

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.
		465203							
90	MSA	465188, 465189, 465191 465192, 465205 465206, 465208 465209	A	30 min.	FF	OPD, SAR	Rm	25-300	50-100
91	MSA	465184, 465187, 465201 465204	A	15 min.	FF	ODM, SAR	Rm	25-300	50-100
92	MSA	465190, 465193, 465207 465210	A	15 min.	FF	OPD, SAR	Rm	25-300	50-100

GAS MASKS APPROVED BY MSHA/NIOSH

Approval number TC-14G-	Approval issued to	Model number(s)	Respirator type	Face-piece type	Type of respiratory protection ^{3/}												
					OV	Cl	SO2	CO	NH3	MA	VC	PEST	DFM	AG	H2S	PH3	
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									X			H
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

GAS MASKS APPROVED BY MSHA/NTOSH

Approval number TC-14G-	Approval issued to	Model number(s)	Respirator type	Face-piece-type	Type of respiratory protection ^{3/}												
					OV	Cl	SO2	CO	NH3	HA	VC	PEST	DFH	AG	H2S	PH3	
93	Hillson	2164F, 2264F	Fm	FF						X	X				D, F, M		
94	Hillson	2161F, 2261F	Fm	FF	X								X		D, F, M		
95	Hillson	2162F, 2262F	Fm	FF	X										D, F, M		
96	MSA	465331, 465327	Bm	FF	X			X	X					H	X		
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	X	X
																Escape Only	15 ppm Entry
																	1500 ppm Escape Only
99	MSA	448940, 448941 448942, 448943	Bm	FF	X								X		H		
100	MSA	460119, 460120, 460121, 460122 460123, 460124	Bm	FF	X										D, M	X	
101	MSA	448926, 448927 448928, 448929 448930, 448931 448936, 448937	Bm	FF						X					D, M		

GAS MASKS APPROVED BY MSHA/NIOSH

Approval number TC-14G-	Approval issued to	Model number(s)	Respirator type	Face- piece- type	Type of respiratory protection ^{3/}												
					OV	Cl	SO2	CO	NH3	MA	VC	PEST	DFM	AG	H2S	PH3	
		448938, 448939															
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
104	Scott	6030-1113 6030-1213 6030-2113 6030-2213 6030-3113 6030-3213 6030-4113 6030-4213	Fm, Es	FF					X								X
105	MSA	466225 466226	Fm, Es	FF					X								H
106	MSA	466231 466232	Fm, Es	FF					X								H
107	MSA	466227 466351 466228 466350	Fm, Es	FF					X								D, M, X

GAS MASKS-APPROVED BY-MSHA/NIOSH

Approval number	Approval issued to	Model number(s)	Respirator type	Face- piece- type	Type of respiratory protection ^{3/}											
					OV	Cl	SO2	CO	NH3	MA	VC	PEST	DFM	AG	H2S	PH3
108	MSA	466229 466230	Fm, Es	FF	X											H
109	MSA	448936 448937 448938 448939	Bm	FP					X							D, M
110	Norton	7601L 7601LN 7601LS 7601LSN	Fm	FF	X											

10803 1100036

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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-L, -M, -S w-858 w-870 w-280 w-283 w-286-L, -M, -S w-292	C, CE	Cf	Bm	HH	25-300	50-90
70	3M	w-820 w-880 w-881-L, -M, -S w-888 w-890 w-281 w-284 w-287 w-293	C, CE	Cf	Bm	HH	25-100	60-80
71	Scott	4616-11, -12, -15, -21, -22, -25, 4622	C	Cf	Fm	ON, FF	15-50	12-25

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.
		-11, -12, -15, -21, -22, -25					50-250	25-40
72	Scott	4616-18, -19, -2A -29, 4622 -18, -19, -28, -29	C	Cf	Fm	DN,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, 842A3, 46539, 457164, 9392A, 94988	C	Dm	Bm	DN,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	DN,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	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.
		461709, 461710, 461711, 461712						
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,CF	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,CF	Cf	Bm	HH	25-200	80-95
84	Ace Enterprises		77	C,CE	Cf	Bm	HH	25-200 80-95

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.
84	Cientex, 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 R5099	C	Cf	Bm	ON	12.5-75 100-175 200-300	7-15 13-25 18-35
87	3M	W-270-L,=M,=S W-271 W-272 W-274-L,=M,=S W-277 W-282 W-285 W-288 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 93226	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,						

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.
		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	10159 10237	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
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	999-3 999-5 999-6	C,CE	Cf	Bm	HH	10-100	12-25

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.
102	Cleco	999-4	C,CE	Cf	B+	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
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	C	Cf	Bm	ON	12.5-25 50-75 100-150	8- 9 10-11 12-13

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.
		85106, 85107 85108, 85109 85110, 85111 85112, 85113 85114, 85115 85116, 85117 85118, 85119 85120, 85121 85122, 85123 85124, 85125 85126					175-300	17-18
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 25-75 75-150 175-300	8-9 10-11 12-13 17-18
111	AO	50734	C	Cf	Bm	FF	25 50-75 100-125 150-200 225-300	8-11 11-15 14-18 18-23 21-28
112	Glendale	GR5000 GR6000	C	Cf	Bm	ON, FF	25-300	30-35
113	MSA	463281 463300 463301 463302 463277 463297 463298 463299	C	Cf	Bm	FF	15-50	10-15

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.
114	Binks	40-140	C	Cf	Bm	FF	15-50	10-15
115	MSA	463293 463307 463305 463309 463294 463308 463306 463310	C	Cf	Bm	HH	15-50	16-20
116	MSA	463295 463291 463303 463296 463292 463304 463312 463311	CE	Cf	Bm	HH	15-50	16-20
117	MSA	463924 463982	CF	Cf	Bm	HH	25-300	75-100
118	MSA	463927 463978 463928 463977	C	Cf	Bm	HH	25-300	75-100
119	MSA	463935 463956 463957 463958 463936 463966	CE	Cf	Bm	HH	75-300	75-100
120	Defense Apparel- Nucon Products	HSU-10	C	Cf	Bm	HH	50-100	25-35
121	Casco Safety Products	97	C	Cf	Bm	DN	25-300	35-40

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.
122	U.S. Safety Service	152	C	Cf	Bm	ON	25-300	35-40
123	34	W-298	C	Cf	Bm	ON	25 50 100	6-16 7-16 11-22
124	Safety and Supply	RC2095	C	Cf	Bm	HH	25 50 100 150 200 250	18-29 23-36 28-42 32-47 35-51 37-57
125	DeVilbiss	MPH-532	C	Cf	Bm	ON	15-100 100-300	10-32 21-50
126	U.S. Safety Service	153	C	Cf	Bm	HH	25-300 (max. 7 lengths)	35-60
127	Cesco	98	C	Cf	Bm	HH	25-300 (max. 7 lengths)	35-60
128	Standard Safety Equipment	SD-5890	C	Cf	Bm	HH	50-100	40-60

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

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type	Face- piece type2/	No. of filters	Type of respiratory protection														
						D	F	M	H	R	A	S	AB							
132	3M	6983 8710 8550	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	w-250 w-252 w-254 w-255 w-260-12 w-260-24 w-261-12 S, M, L w-261-24 S, M, L w-266-12 w-266-24 w-267 w-278-12 w-278-24 w-289-12 w-289-24 w-290 w-295-12 w-295-24 w-297	Pw	H/H	1									X	X					
137	3M	w-251	Pw	H/H	1															X

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

Approval Number TC-21C-	Approval Issued to	Model number(s)	Respirator type	Face- piece type2/	No. of filters	Type of respiratory protection								
						D	F	M	H	R	A	S	AB	
		W-265-12 W-265-24												
138	MSA	96000 457344	Rp,Fm	ON	1	X		X						
139	Willson	560	Rp,Fm	ON	1	X		X						
140	Willson	1210 1210S 1210SR	Rp,Fm	ON	2	X		X				X		
141	Willson	1211 1211S 1211SR	Rp,Fm	ON	2	X	X	X				X		
142	Willson	1212 1212S 1212SR	Rp,Fm	ON	2					X				
143	Willson	1400	SU	ON	1									X
144	AO	R4030 R5030 R6030	Rp,Fm	ON	2	X		X				X		
147	AO	R1050	SU	ON	1									X
149	Scott	662-1 662-2 6160-1050	Rp,Fm	FF	1					X				

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

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type	Face- piece type2/	No. of filters	Type of respiratory protection														
						D	F	M	H	R	A	S	AB							
		6160-2050 6170-0050 6170-1050 6170-2050 6150-0050 6150-1050 6150-2050 6155-0050 6155-1050 6155-2050 6160-0050																		
150	MSA	88479 457117	Rd, Fm	FF	1															X
151	Norton	7506 7506M	Rd, Fm	ON	2					X		X								X
152	Norton	7580 7580M	Rd, Fm	ON	2															X
153	Norton	7406L 7406LM	Rd, Fm	ON	1					X		X								X
154	Sellstrom	315-F100	Rd, Fm	ON	2					X										X
154	Cover	1482-F100	Rd, Fm	ON	2					X										X
154	Safe-Tex	236-F100	Rd, Fm	ON	2					X										X
154	Eastern	E-450	Rd, Fm	ON	2					X										X
155	MSA	460185 465937	Rd, Fm	FF	2															X
156	MSA	461683	Rd, Fm	ON	1					X		X								

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

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type	Face- piece type2/	No. of filters	Type of respiratory protection								
						D	F	M	H	R	A	S	AB	
157	Pulmosan	C264 10045 10213 10234	Rd,Fm	DN	1	X		X						
158	Pulmosan	C263 10042 10231	Rd,Fm	DN	1								X	
159	MSA	460357	Rd,Fm	DN	1	X						X		
160	AO	R4057 R5057 R6057	Rd,Fm	DN	2								X	
161	AO	R4056 R5056 R6056	Rd,Fm	DN	2	X	X	X						X
162	AO	R8100	Rd,Fm	DN	1	X						X		
163	Cesco	94R20	Rd,Fm	DN	2	X						X		
164	Glendale	GR2000 GR4000	Rd,Fm	DN	2	X						X		
165	Pulmosan	LA00 10171 10174 10216	Rd,Fm	DN	1	X						X		

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

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type	Face- piece type2/	No. of filters	Type of respiratory protection								
						D	F	M	H	R	A	S	AB	
166	AO	R2090N	Rp,Fm	ON	1	X		X						
167	Devilbiss	MSD-507	Rp,Fm	ON	1	X		X						
168	Norton	75BP80 75BP80M	Rp,Fm	ON	2					X				
169	AO	R8156	Rp,Fm	ON	1	X	X	X						
170	Norton	7170	Ru	ON	1	X		X						
170A	Norton	7170	Su	ON	1							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 8530	Su	ON	1								X	
174	Binks	40-150	Su	ON	1								X	
175	Norton	7100 7100V	Rp,Fm	ON	1	X		X						

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

Approval number	Approval Issued to	Model number(s)	Respirator type	Face-piece type2/	No. of filters	Type of respiratory protection							
						D	F	M	H	R	A	S	AB
176	3M	9900	Su	OH	1	X						X	
177	Scott	604035-00 6411-2100 6411-0100 6411-3100 6421-0100 6413-2100 6413-0100 6413-3100 6423-0100	Rp, Fm	ON	2	X		X					
178	Scott	604022-50 6411-2050 6411-0050 6411-3050 6413-0050 6413-2050 6421-0050 6413-3050 6423-0050	Rp, Fm	OH	2				X	X			
179	U.S. Safety	150T10	Rp, Fm	OH	2	X		X				X	
180	Cesco	95RC15	Rp, Fm	ON	2	X		X				X	
181	MSA	462240 466212	Rp, Bm	ON	2	X		X					
182	willson	1610 1710	Rp, Fm	FF	2	X		X				X	
183	willson	1611	Rp, Fm	FF	2	X	X	X				X	

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

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type	Face- piece type2/	No. of filters	Type of respiratory protection							
						D	F	M	H	R	A	S	AB
		1711											
184	Willson	1612 1712	Rp,Fm	FF	2					X			
186	MSA	463353 463354 463355 466607 466608	Pw	ON,FF	2					X			
187	MSA	461847 465938	Rp,Fm	FF	2	X	X	X		X	X		
188	MSA	461845 466242 466243	Rp,Fm	FF	2	X		X			X		
189	Glendale	GR-2026 GR-4026	Rp,Fm	ON	2	X	X	X					
190	3M	9910	Su	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	Casco	95RC16	Rp,Fm	ON	2	X	X	X		X	X		

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

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type	Face- piece type2/	No. of filters	Type of respiratory protection							
						D	F	M	H	R	A	S	AB
195	Glendale	SU-1 GR-500	Su	DN	1								X
196	Cover	1482-F108	Rd,Fm	DN	2	X	X	X		X	X		
197	Racal	AH5	Pw	FF	1	X		X				X	
198	Scott	6422-0100	Rd,Fm	FF	2	X		X				X	
199	Scott	6422-0050	Rd,Fm	FF	2				X	X			
200	HSA	466095 466096	Rd,Fm (combination type C, continuous flow 35 - 40 psig; 25-300 ft. hose)	FF	2					X			
201	HSA	466097 466098	Rd,Fm (combination type C, continuous flow 35 - 40 psig; 25-300 ft. hose)	DN	2					H			
202	3M	9920	Ru	DN	1	X	X	X		X	X		
203	Norton	7507 7507M	Rd,Fm	DN	2	X	X	X					
204	Norton	75BP07 75BP07M	Rd,Bm	DN	2	X	X	X					
205	Norton	7607 7607S	Rd,Fm	FF	2	X	X	X					

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

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type	Face- piece type2/	No. of filters	Type of respiratory protection								
						D	F	M	H	R	A	S	AB	
		7607SN 7607N												
206	MSA	467010	Rd,Fm	DN	1	X		X				X		
207	A0	R7030	Rd,Fm	FF	2	X		X				X		
208	A0	R7057	Rd,Fm	FF	2					X				
209	Scott	6411-0300 6413-0300 6423-0300	Rd,Fm	DN	2	X	X	X				X	X	
210	Scott	6470-0300	Rd,Fm	FF	2	X	X	X				X	X	
211	Racal	AH15 AH21	Pw	HH	1	X		X					X	
212	Racal	AH5 AH17	Pw	HH	1					X	X			
213	MSA	467559	Rd,Fm	DN	1	X		X				X		
214	Willson	1410	Rd	DN	1	X		X						
215	Binks	40-145	Rd	DN	1	X		X						
216	Cesco	96RC15	Rd,Fm	FF	2	X		X				X		

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

Approval number TC-21C-	Approval Issued to	Model number(s)	Respirator type	Face- piece type2/	No. of filters	Type of respiratory protection							
						D	F	M	H	R	A	S	AB
217	U.S. Safety	151T10	Rp,Fm	FF	2	X		X				X	
218	Cesco	96RC16	Rp,Fm	FF	2	X		X			X	X	
219	U.S. Safety	151T11	Rp,Fm	FF	2	X		X			X	X	
220	MSA	767541	Ru	ON	1	X		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		
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 1221S 1221SR	Rp,Fm	ON	2						X					
51	willson	122110 122110S 122110SR	Rp,Fm	ON	2						X					D,M,A
52	willson	122113 122113S 122113SR	Rp,Fm	ON	2						X					D,F,M
54	willson	122115 122115S 122115SR	Rp,Fm	ON	2						X			X	X	D,M

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	PA	PLE	PEST	DFM	
55	Scott	70-CL	E _s	M	1									X	
56	AO	R4051 R5051 R6051	R _D ,F _m	ON	2									X	
59	DeVilbiss	MSE-502 MSE-502-1	R _D ,F _m	ON	2									X	
60	AO	R4052 R5052 R6052	R _D ,F _m	ON	2				X	X		X			
63	Norton	7504 7504M	R _D ,F _m	ON	2										X
64	Norton	7514 7514M	R _D ,F _m	ON	2									X	D,M,A
65	Norton	7503 7503M	R _D ,F _m	ON	2				X	X	X	X			
66	Norton	7513 7513M	R _D ,F _m	ON	2				X	X	X	X			D,M,A
70	Willson	1224 1224S 1224SR	R _D ,F _m	ON	2								X	X	
71	Willson	122410	R _D ,F _m	ON	2								X	X	D,M,A

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number	Approval issued to	Model number(s)	Respirator type	Face-piece type	No. of cartridges	Type of respiratory protection								
TC-23C-						OV	Cl	SO2	HCl	NH3	MA	PLE	PEST	DFM
		122410S 122410SR												
73	Norton	7511 7511M	Rp,Fm	DN	2				X					D,M,A
74	Norton	7549 7549M	Rp,Fm	DN	2								X	
75	Norton	7531 7531M	Rp,Fm	DN	2				X				X	
75	Acme Automotive Finishes	27	Rp,Fm	DN	2				X				X	
76	Willson	1225 1225S 1225SR	Rp,Fm	DN	2			X	X	X	X			
77	Willson	122510 122510S 122510SR	Rp,Fm	DN	2			X	X	X	X			D,M,A
78	34	W-262-12 W-262-24 W-263-L,-M,-S W-279-12 W-279-24 W-264 W-291-12 W-291-24 W-296-12 W-296-24	Pw,Fm	H/H	1								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
79	MSA	448848 461009	Rd,Fm,Bm	ON	2								X	
80	MSA	448849 462241 460853 466249 466250 466251 466255 466528 466529	Rd,Fm,Bm	ON	2	X							X	D,M
81	Pulmosan	C256 10009 10183 10219	Rd,Fm	ON	1	X								
82	AO	R4053 R5053 R6053	Rd,Fm	ON	2	X	X	X	X	X				
83	AO	R4055 R5055 R6055	Rd,Fm	ON	2	X								D,M
84	AO	R8151	Rd,Fm	ON	1	X								
85	AO	R8153	Rd,Fm	ON	1	X	X	X	X	X				
86	Binks	40-129	Rd,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	SO ₂	HCl	NH ₃	MA	PLE	PFST	CFM	
87	Binks	40-128	Rp,Fm	OV	2							X			D,M
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 GR4021-60 GR2021-60	Rp,Fm	ON	2							X			
91	Pulmosan	C259 10024 1019A 10222	Rp,Fm	ON	1							X			D,M
92	AO	RA191P	Rp,Fm	ON	1							X			D,M
93	AO	RA151P	Rp,Fm	ON	1							X			D,M
94	AO	R4051 R5051P R6051	Rp,Fm	ON	2							X			D,M
96	DeVilbiss	MSP-505 MSP-505-1	Rp,Fm	ON	2							X			D,M
97	AO	R4091P R5091P	Rp,Fm	ON	2							X			D,M

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				
		R6091P																
99	Cesco	94R40	Rp,Fm	ON	2			X										
100	Pulmosan	C-251	Rp,Fm	ON	1			X										X
100	Fiber Metal	C-251 10006 10180 10225	Rp,Fm	ON	1			X										X
101	Norton	7401L 7401LM	Rp,Fm	ON	1			X										
102	Norton	750P01 750P01M	Rp,Bm	ON	2			X										
103	Norton	750P11 750P11M	Rp,Bm	ON	2			X										D,M,A
104	Norton	750P03 750P03M	Rp,Bm	ON	2			X	X	X	X							
105	Norton	750P13 750P13M	Rp,Bm	ON	2			X	X	X	X							D,M,A
106	AO	R4058 R5058 R6058	Rp,Fm	ON	2			X									X	D,F,M
107	Cover	1482-G100	Rp,Fm	ON	2			X										
107	Sellstrom	315-G100	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	SO ₂	HCl	NH ₃	MA	PL	PE	ST
		6421-0113 6413-3113 6423-0113												
115	Scott	604022-01 6413-2001 6411-0001 6413-3001 6413-0001 6411-2001 6421-0001 6411-3001 6423-0001	Rp, Fm	ON	2		X	X	X					
116	Scott	604032-01 6411-2101 6411-0101 6411-3101 6413-0101 6413-2101 6421-0101 6413-3101 6423-0101	Rp, Fm	ON	2		X	X	X					D, M
117	Scott	604032-00 6411-2213 6411-0213 6411-3213 6413-0213 6413-2213 6421-0213 6413-3213 6423-0213	Rp, Fm	ON	2		X							X
118	U.S. Safety	150T20	Fm	ON	2		X							

CHEMICAL-CARTRIDGE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-230-	Approval issued to	Model number(s)	Respirator type	Face- piece type	No. of cartridges	Type of respiratory protection												
						OV	Cl	SO2	HC1	NH3	MA	PLE	PEST	DFM				
119	Cesco	95RC25	Fm	OH	2				X									
120	U.S. Safety	150T23	Rp,Fm	OH	2													D,M,A
121	Cesco	95RC45	Rp,Fm	OH	2													D,M,A
122	Norton	7542, 7542M	Rp,Fm	OH	2				X	X	X							D,M,A
123	3M	8712 8734	Su	OH	1													D,M 8734 only
124	Cover	1482-G100- F102	Rp,Fm	OH	2													X
124	Eastern	E454	Rp,Fm	OH	2													X
124	Sellstrom	315-G100- F102	Rp,Fm	OH	2													X
124	Safe-Tex	236-G100- F102	Rp,Fm	OH	2													X
125	U.S. Safety	150T24	Rp,Fm	OH	2													X
126	Cesco	95RC35	Rp,Fm	OH	2													X
127	Stewart- Warner	7931	Rp,Fm	OH	2													X
128	Norhcott	70-450	Rp,Fm	OH	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	CFM
129	3M	8714 8720	SU	ON	1		X	X	X					D, M 8720 only
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			D, M, A
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
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	C1	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 466256 466257	Rp,Fm	FF	2	X						X				D,M
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

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
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 1482-G104-F100 only
163	Sellstrom	315-G104	Rp, Fm	ON	2	X	X	X	X					
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

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
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	604022-15 6411-2015 6411-0015 6411-3015 6413-0015 6413-2015 6421-0015 6413-3015 6423-0015	Fm	ON	2		X	X	X	X				
174	Scott	604032-15 6411-2115 6411-0115 6411-3115 6413-0115 6413-2115 6421-0115 6413-3115 6423-0115	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	75RP14 75RP14M	Rp,Bm	ON	2				X					D,M,A
178	Norton	75RP49 75RP49M	Rp,Bm	ON	2								X	
179	Norton	75RP42 75RP42M	Rp,Bm	ON	2			X	X	X				D,M,A
180	Norton	7601 7601S 7601N 7601SN	Rp,Fm	FF	2			X						
181	Norton	7603 7603S 7603N 7603SN	Rp,Fm	FF	2			X	X	X	X			
182	Norton	7604 7604S 7604N 7604SN	Rp,Fm	FF	2							X		
183	Glendale	GR-2022 GR-4022	Rp,Fm	ON	2			X	X	X				
184	Glendale	GR-2022-10 GR-4022-10	Rp,Fm	ON	2			X	X	X				D,M

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
185	Norton	7611 7611S 7611N 7611SN	Rd,Fm	FF	2	X								D,M,A
186	Norton	7613 7613S 7613N 7613SN	Rd,Fm	FF	2	X	X	X	X					D,M,A
187	Norton	7614 7614S 7614N 7614SN	Rd,Fm	FF	2					X				D,M,A
188	Norton	7631 7631S 7631N 7631SN	Rd,Fm	FF	2	X						X		
189	Norton	7642 7642S 7642N 7642SN	Rd,Fm	FF	2		X	X	X					D,M,A
190	Norton	7649 7649S 7649N 7649SN	Rd,Fm	FF	2								X	
191	U.S. Safety	150T22	Fm	ON	2					X	X			
192	Cesco	95PC65	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	SO ₂	HCl	NH ₃	MA	PLE	PEST
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	A716	SU	ON	1								-- 10 ppm vinyl chloride
201	MSA	465486 466239 466240 466241 466526 466527	Rp,Fm	ON	2			X				X	D,M
202	Cover	14A2-G100 F104	Rp,Fm	ON	2			X				X	D,M

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
203	Pulmosan	10012 101A5 10240	Rp, Fm	OH	1		X	X	X					
204	Norton	7581, 7581M	Rp, Fm	OH	2			X						
205	Norton	758PA1 758PA1M	Rp, Bm	OH	2			X						
206	Norton	7681, 7681S	Rp, Fm	FF	2			X						
207	Norton	7582, 7582M	Rp, Fm	OH	2				X	X	X			
208	Norton	758PA2 758PA2M	Rp, Bm	OH	2			X	X	X				
209	Norton	7682, 7682S	Rp, Fm	FF	2			X	X	X				
210	Norton	7583, 7583M	Rp, Fm	OH	2		X	X	X	X				
211	Norton	758PA3 758PA3M	Rp, Bm	OH	2		X	X	X	X				
212	Norton	7683, 7683S	Rp, Fm	FF	2		X	X	X	X				
213	Norton	7584, 7584M	Rp, Fm	OH	2								X	
214	Norton	758PA4	Rp, Bm	OH	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
		75BP84M												
215	Norton	7684, 7684S	Rp,Fm	FF	2									X
216	3M	8725 8726	SU	ON	1		X	X	X	X				D,M 8726 only
217	3M	8727 8728	SU	ON	1						X	X		D,M 8728 only
218	Scott	6422-0101 6470-0101	Rp,Fm	FF	2		X	X	X					D,M
219	Scott	6422-0013 6470-0013	Rp,Fm	FF	2		X							
220	Scott	6422-0113 6470-0113	Rp,Fm	FF	2		X							D,M
221	Scott	6422-0015 6470-0015	Rp,Fm	FF	2		X	X	X	X				
222	Scott	6422-0115 6470-0115	Rp,Fm	FF	2		X	X	X	X				
223	Scott	6411-2213 6411-3213 6413-2213 6413-3213 604032-00 6411-0213	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	SO ₂	HCl	NH ₃	MA	PLE	PEST	CFM						
		6413-0213 6421-0213 6423-0213																		
224	Scott	6422-0213 6470-0213	Rp, Fm	FF	2		X													X
225	Scott	6422-0001 6470-0001	Rp, Fm	FF	2			X	X	X										
226	Norton	7502 7502M	Rp, Fm	ON	2			X	X	X										
227	Norton	75BP02 75RP02M	Rp, Bm	ON	2			X	X	X										
228	Norton	7602 7602S 7602SN 7602SN	Rp, Fm	FF	2			X	X	X										
229	Norton	7512 7512M	Rp, Fm	ON	2			X	X	X										D, M, A
230	Norton	75BP12 75RP12M	Rp, Bm	ON	2			X	X	X										D, M, A
231	Norton	7612 7612S 7612N 7612SN	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			
245	MSA	466164	Rp,Fm	FF	2				X								H
246	Scott	6411-0301 6411-0301 6421-0301 6423-0301	Rp,Fm	ON	2				X	X	X						DFMAR
247	Scott	6470-0301	Rp,Fm	FF	2				X	X	X						DFMAR
248	Scott	6411-0313 6413-0313 6421-0313 6423-0313	Rp,Fm	ON	2				X								DFMAR
249	Scott	6470-0313	Rp,Fm	FF	2				X								DFMAR
250	Scott	6411-0315 6413-0315 6421-0315 6423-0315	Rp,Fm	ON	2				X	X	X	X					DFMAR
251	Scott	6470-0315	Rp,Fm	FF	2				X	X	X	X					DFMAR
252	Scott	6411-0004 6413-0004 6421-0004 6423-0004	Rp,Fm	ON	2									X	X		
253	Scott	6470-0004	Rp,Fm	FF	2									X	X		
254	Scott	6411-0104	Rp,Fm	GN	2									X	X		DMA

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	C1	SO2	HC1	NH3	MA	PLE	PEST	DFM
		6413-0104 6421-0104 6423-0104												
255	Scott	6470-0104	Rp, Fm	FF	2					X	X			DMA
256	Scott	6411-0304 6413-0304 6421-0304 6423-0304	Rp, Fm	ON	2					X	X			DFMAR
257	Scott	6470-0304	Rp, Fm	FF	2					X	X			DFMAR
258	Willson	122116 122116S 122116SR	Rp, Fm	ON	2							X		DM
259	Willson	162116 172116	Rp, Fm	FF	2							X		DM
260	MSA	466903	Rp, Fm	ON	2			X	X	X	X			DMA
261	MSA	466902	Rp, Fm	ON	2			X	X	X	X			DM
262	MSA	466904	Rp, Fm	FF	2			X	X	X	X			DM
263	Cesco	96RC45	Rp, Fm	FF	2			X						DMA
264	U.S. Safety	151T23	Rp, Fm	FF	2			X						DMA

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	PFST	DFM		
265	Cesco	96RC75	Rp,Fm	FF	2		X	X	X							DMA
266	U.S. Safety	151T25	Rp,Fm	FF	2		X	X	X							DMA
267	Cesco	96RC105	Rp,Fm	FF	2		X	X	X	X						DMA
268	U.S. Safety	151T28	Rp,Fm	FF	2		X	X	X	X						DMA
269	Cesco	96RC95	Rp,Fm	FF	2							X	X			DMA
270	U.S. Safety	151T27	Rp,Fm	FF	2							X	X			DMA
271	Cesco	96RC35	Rp,Fm	FF	2		X								X	
272	U.S. Safety	151T24	Rp,Fm	FF	2		X								X	
273	Cesco	96RC125	Rp,Fm	FF	2											X
274	U.S. Safety	151T30	Rp,Fm	FF	2											X
275	Cover	1482-G100- F100	Rp,Fm	ON	2		X									DFM
276	Cover	1482-G100- F100	Rp,Fm	ON	2		X									D,M

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
277	Devilbiss	MSP-507	Rp,Fm	DN	1	X								
278	Devilbiss	MSP-506	Rp,Fm	DN	2	X					X		D,M	
279	Cover	1482-G106	Rp,Fm	DN	2					X	X			
280	Cover	2482-G106- F100	Rp,Fm	DN	2					X	X		D,M	
281	A0	4563 5563 6563	Rp,Fm	DN	2	X	X	X	X			X	D,F,M	
282	A0	7563	Rp,Fm	FF	2	X	X	X	X			X	D,F,M	

VINYL CHLORIDE RESPIRATORS APPROVED BY MSHA/NIOSH

Approval number TC-11-	Approval issued to	Model number(s)	Respirator type	Face- piece type
1	Scott	601460-01 601460-03 601460-11 601460-13	Rm	ON

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.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-13F-			9661-27, regulator assembly. 9155-22, cylinder assembly. 9304-41 through 50, 9304-70 through 73, or 9304-85, airline hose.
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, nosecup 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	Draeger	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. 800013-04, regulator assembly. 800029-00, hose coupling assembly. 801450-07 or 17042-01, facepiece and tube assembly (below 32 F add 801432-00 or 22300-01 nosecup to above).
40	Scott	900014-00	800020-04, harness and back-plate assembly. 800010-00 or 800010-10, -02, -12, cylinder and valve assembly. 800212-04 or 800212-06, regulator assembly. 800029-00, hose coupling assembly. 801500-07 or 40577-01, facepiece and tube assembly (below 32 F add 801432-00 22300-01 nosecup 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
41	Scott	900002-00	800110-02, harness assembly. 800010-01, cylinder and valve assembly. 800013-04, regulator assembly. 800029-01, hose coupling assembly. 801450-07 or 17042-01, facepiece and tube assembly (Below 32 F add 801432-00 or 22300-01 nosecup assembly to the above).
42	Scott	900015-00	800110-02, harness assembly. 800010-01, cylinder and valve assembly. 800212-04 or 80212-06, regulator assembly. 800029-01, hose coupling assembly. 801500-07 or 40577-01, 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, backpack and harness assembly (Below 32 F add 2254 nosecup to above).
44	Survivafr	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).
45	Survivafr	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	Survivafr	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.

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
46	MSA	457150, 95061, 457151, 95068	9457-00, back pack assembly. (Below 32 F add 9038-90 low-temperature kit to above). 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).
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, nosecup to the 96057 facepiece or the 96671 nosecup to the 461614 facepiece).
48	Scott	900006	801450-07, facepiece assembly and breathing tube assembly. 802157-00, hose and coupling assembly. 800013-05, 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 nosecup assembly to the above).
49	Scott	900007	801500-01, facepiece and breathing tube assembly. 802157-00, hose and coupling assembly. 800212-05, 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, nosecup 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.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
			(Below 32 F add 96671, nosecup 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, nosecup 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, nosecup assembly to the above).
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	Dräger	8G-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.

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
58	Stebe Gorman	01422.10	B174A, harness and frame assembly. C174A/4, cylinder and valve. 9X18-28C02, canister. 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	Stebe Gorman	01422.11	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. 80173R-00, housing cover assembly. 900050-10, housing assembly.
61	MSA	456989	94331, facepiece. 46199R, regulator. 455660, cylinder and valve assembly. 460616, carrier assembly. 460614, regulator and hose assembly.
62	MSA	45R178, 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.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-13F-			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 900055-02 900055-03 900055-04 900055-21 900055-30 900055-31	801450-40 or 8139-6, facepiece assembly. 802261-01 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. 802200 or 800300, harness assembly. (Below 32 F add 801432-00 nosecup assembly to the above).
67	Scott	900055-05, 900055-06, 900055-09 900055-17 900055-18 900055-32 900055-33	801450-40 or 8139-6, facepiece assembly. 802261-01 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

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
			801432=00 nose cup to the above).
68	Scott	900055-13, 900055-14 900055-24 900055-25	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).
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 nose cup assembly to above).
72	Globe	2509	2217-1, facepiece and demand valve assembly.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-13F-			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	802161-01, 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. 602228-01, 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).
76	Scott	900455	802181-01, back pack assembly. 802167-01, mask facepiece assembly. 802240-01, harness assembly.

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

Approval number	Approval (issued to)	Model number(s)	Component parts, number(s) and description
			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.)
82	Survivaire	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.
83	MSA	465251	94331, facepiece assembly. 456651, breathing tube. 460743, carrier assembly.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-13F-			465238, cylinder and regulator assembly.
84	BioMarine	BioPak 30	300-603, rebreather assembly. 300-578, mask assembly. 201-226, soda sorb bag. 300-577, scrubber assembly. 300-579, scrubber lid assembly. 300-585, oxygen cylinder assembly. 201-228, antifog agent. (Below 15 F substitute 300-617, scrubber assembly; 400-301, scrubber lid assembly; and 201-227, soda sorb bag).
85	BioMarine	BioPak 60	300-643, rebreather assembly. 300-578, mask assembly. 201-227, soda sorb bag. 300-617, scrubber assembly. 400-301, scrubber lid assembly. 300-619, oxygen cylinder assembly. 201-228, antifog agent.
86	SurvivAir	0028-00	002826, hood assembly. 002878, case assembly. 002851, regulator assembly. 002848, manifold assembly. 002860, cylinders.
87	Dräger	OXY-SR60A	R31230, self rescuer.
88	Scott	802300-02	802320-04, hood and life support pak. 802310-02, case assembly. 60158-00, lens preparation.
89	MSA	465182 465183 465185 465186 465199 465200 465202 465203	96680 or 95940, facepiece assembly. 465178, regulator-audilarm assembly. 94007 or 460320, cylinder and valve assembly. 449267, breathing tube assembly. 95184, carrier and harness assembly. 455021 and/or 455022, air-line hose assemblies. 463203, case assembly. At temperatures between 32 F and -25 F add 96671 or 89863 nose cup assembly to above.
90	MSA	465188 465189 465191 465192 465205 465206	461614 or 96057, facepiece assembly. 465179, regulator-audilarm assembly. 94007 or 46032, cylinder and valve assembly. 449267, breathing tube assembly. 95184, carrier and harness assembly. 455021 and/or 455022, air-line hose assemblies.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-13F-		465208 465209	463203, case assembly. At temperatures between 32 F and -25 F add 96671 or 455668 nose cup assembly to above.
91	MSA	465184 465187 465201 465204	96680 or 95940, facepiece assembly. 46517A, regulator-audiflarm assembly. 456104, cylinder and valve assembly. 449267, breathing tube assembly. 95184, carrier and harness assembly. 455021 and/or 455022, air supply hose assemblies. 465194, case assembly. At temperatures between 32 F and -25 F add 96671 or 89863 nose cup assembly to above.
92	MSA	465190 465193 465207 465210	461614 or 96057, facepiece assembly. 465179, regulator-audiflarm assembly. 456104, cylinder and valve assembly. 449267, breathing tube assembly. 95184, carrier and harness assembly. 455021 and/or 455022, air supply hose assemblies. 465194, case assembly. At temperatures between 32 F and -25 F add 96691 or 455668 nose cup assembly to above.

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 (7-223-1 or 7-203-1) facepiece, 88306, 457168, or 457175, breathing tube assy. 84937 or 8493A, 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 (7-223-1 or 7-203-1) facepiece. 448972 (TC-14G-86), canister.
87	MSA	448975, 448976, 448977, 448978	95940, 96679, 463705, 464557, or 96680, (7-223-1 or 7-203-1) facepiece. 448974 (TC-14G-87), canister.
88	MSA	448979, 448980, 448981, 448982	95940, 96679, 463705, 464557, or 96680, (7-223-1 or 7-203-1) facepiece. 448973 (TC-14G-88), canister.
89	MSA	460131, 460132, 460133, 460134	95940, 84304, or 96680, (7-223-1 or 7-230-1) facepiece. 460113 (TC-14G-89), canister.
91	Norton	7820, 7820S, 7829, 7829S 7820V 7820SN 7829V 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,	95940, 96679, 463705, 464557, or 96680, (7-203-1 or 7-203-1) facepiece)

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
		461140, 461141	461132 (TC-14G-92), canister.
93	Willson	2164F, 2264F	2100 or 2200, facepiece assembly. 64F (TC-14G-93), canister.
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.

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
101	MSA	448926, 448927, 448928, 448929, 448930, 448931 448928 448936 448937 448938 448939	95940 or 96680, facepiece assembly (7-203-1 or 7-223-1), 88306, 457175, or 45716A, breathing tube assembly, 84937 or 84938, harness. 448964 (TC-14G-101), 448967 (TC-14G-101) or 448968 (TC-14G-101), canister.
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.
104	Scott	6030-1113 6030-1213 6030-2113 6030-2213 6030-3113 6030-3213 6030-4113 6030-4213	600100-00 or 600100-01, or 801450-40, facepiece or 802167-01, mask facepiece; with 802240-01, harness assembly. 802472-01, adapter assembly. 600252-13 (TC-14G-104), canister.
105	MSA	466225 466226	84304, 95940, 96679, 96680, 463705, 466284, 464557, facepiece assembly. 466221 (TC-14G-105), canister.
106	MSA	466231 466232	84304, 95940, 96679, 96680, 463705, 464557,, or 466284, facepiece assembly. 466219 (TC-14G-106), canister.
107	MSA	466227 466351	84304, 95940, 96679, 96680, 463705, 464557, 466284, facepiece assembly.

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
		466228 466350	466222 (TC-14G-107), canister.
108	MSA	466229 466230	84304, 95940, 96679, 96680, 463705, 464557, or 466284, facepiece assembly. 466220 (TC-14G-108), canister.
109	MSA	448936 448937 448938 448939	463705, 464557, 466284, 84304, 95940, 96679, or 96680, facepiece. 84937, 84938, or 86978, harness. 88306 or 457175, breathing tube. 448967 or 448968, canister.
110	Norton	7601L 7601LN 7601LS 7601LSN	7600-A, 7600-AS, 7600-8M, or 7600-SN, facepiece assembly. 7600-1L (TC-14G-110), canister.

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-286-L,=M,=S	W-5002, 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-810	W-5003 BA, helmet. W-2861, air-regulating valve and W-5114 breathing tube assembly. W-9463, belt. W-9435, air supply hose.
		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-L, -M, -S	W-2810, hood. W-2861, air-regulating valve and W-5114 breathing tube assembly. W-9463, belt. W-9435, air supply hose.
		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.

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
		W-880	W-5005, helmet. W-6803 CA, vortex with W-5114 breathing tube. W-9435, air supply hose.
		W-890	W-5002, helmet. W-6803 CA, vortex with W-5114, breathing tube. W-9435, air supply hose.
		W-881-S, -M, -L	W-2810, hood. W-6803 CA, vortex with W-5114, breathing tube. W-9435, air supply hose.
		W-287	
		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 or 802167-01, facepiece with 802240-01 head harness and 802474-01, adapter assy. 800227-00, regulator assembly. 26022-01/03, supply hose or 26022-01/03, supply hose with 26025-01, strap and belt assembly

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-			
			and 30010/30020 series extension hose.
74	Scott	801548	801450-05, facepiece assembly or 802240-01, facepiece with 802240-01, head harness and 802474-01, adapter assy. 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.
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.

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
			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.
		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.

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
			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.
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.

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-			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.
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.

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-			
			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 or 46-0, 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, 77-1, 46-1B and 46-1, lenses.
84	Titan	77	77-0 or 46-0, 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, 77-1, 46-1B and 46-1, 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 or 46-0, 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, 77-1, 46-1B and 46-1, lenses.
84	Clemtex	77	77-0 or 46-0, 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, 77-1, 46-1B, and 46-1 lenses.
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 R5099	51282 or 50243, respirator subassembly. 51520, breathing tube. 51281, valve and belt assembly. 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
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-S,-M,-L	W-2817, vortemp with W5114 breathing tube and belt. W-2810, hood. W-9435, hose.
		W-277-S,-M,-L	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-28A	W-2863, vortemp. W-2875, softcap. W-9435, air supply hose. W-2866, breathing tube assembly.
		88	Binks
40-158, breathing tube assembly.			
40-157, control valve.			
40-156, web belt.			
40-154 and/or 40-155, air supply hose.			
89	AO	R56001	56001, hood assembly. 56017, canopy assembly. 56016, belt. 56013, coupling. 56030, 56031, or 56032, air supply hose.
90	Robertshaw	900-002-264-01	595-900-068-01, full facepiece assembly, or 595-900-065-01, half facepiece assembly.
		900-002-264-11	

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
			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.
92	Globe	2185-6 2185-4	2217-4, facepiece and demand valve with continuous-flow control.

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
			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 10159 10237	10783, facepiece and breathing tube assembly. 10942, belt with orifice coupler assembly. 2013A, 20141, or 20144, air supply hose (with 10924 or 10954 cushion).
96	Casco	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,	802281-01 or 802281-02, facepiece assembly. 800227-00, regulator 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
		-09, -10, -13, -14	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.
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	999-3 999-5 999-6	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 46A, lenses. consist of V-10-25-EXT parts only.
102	Clenco	999-4	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, 463266, or 461706, quick-disconnect valve. 455021 or 455022, 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-			
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.
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 461706, 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.

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
		A5111	
		A5113	
		A5104	86001, facepiece assembly.
		A5106	86006, air control valve assembly.
		A5108	86006, quick connect coupling.
		A5110	86008, 86009, air hose assembly.
		A5112	
		A5114	86002, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86007, air hose assembly.
		A5115	86001, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86008, air hose assembly.
		A5116	86002, facepiece assembly.
		A5118	86005, air control valve assembly.
		A5120	86006, quick connect coupling.
		A5122	86009, air hose assembly.
		A5124	
		A5126	
		A5117	86002, facepiece assembly.
		A5119	86005, air control valve assembly.
		A5121	86006, quick connect coupling.
		A5123	86008, 86009, air hose assembly.
		A5125	
110	Norton	A5201	86003, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86007, air hose assembly.
		A5202	86003, facepiece assembly. 86005, air control valve assembly. 86006, quick connect coupling. 86008, air hose assembly.
		A5203	86003, facepiece assembly.
		A5205	86005, air control valve assembly.
		A5207	86006, quick connect coupling.
		A5209	86009, air hose assembly.
		A5211	
		A5213	
		A5204	86003, facepiece assembly.

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		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			
	111	AO	50734	51281, valve and belt assembly. 51513, facepiece assembly. 51147, breathing tube assembly. 51501, lens cover. 56031 or 56032, airline hose assembly.
	112	Glendale	GR5000 GR6000	GR5000 or GR6000 series facepiece with CF-1 or CF-1a, strap assembly. CF-2, adapter with GR5000 series only. CF-3, clamp. CF-4, breathing tube. CF-5, hose assembly. CF-6, air regulating valve assembly. CF-8, washer insert and nut. The following are for GR6000 exclusively: CF-9, insert CF-14, clamp and CF-17, optional nose cup kit assembly.
	113	MSA	463281 463300 463301	460861, 96680, 95940, 94331, facepiece. 457158, breathing tube. 463278 or 463265, valve.

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
		463302	78362, harness.
		463277	9961, belt.
		463297	455020, 455021, or 455022, hose.
		463298	
		463299	
114	Binks	40-140	40-159, facepiece, 40-158, breathing tube, 40-138, control valve, 40-156, belt, 40-139, 40-145, and 40-155, hose.
115	MSA	463293	460886, hood.
		463307	94379, cape.
		463305	94029, collar.
		463309	463278 or 463265, valve.
		463294	463267 or 463266, connector.
		463308	460893, filter holder.
		463306	95302, cartridge.
		463310	9961, belt. 455020, 455021, 455022, hose.
116	MSA	463295	460885, hood.
		463291	72800, cover hood.
		463303	94417 or 460924, cape.
		463296	94488 or 94029, collar.
		463292	463278, 463265 or 463267, valve.
		463304	9961, belt.
		463312	455020 or 455021, 455022, hose.
		463311	
117	MSA	463924	464816, helmet.
		463922	9961, belt. 464817, hood. 463922, collar.
			463938 or 463955, quick disconnect valve.
			455021 or 455022, hose.
118	MSA	463927	464810, helmet.
		463978	9961, belt
		463928	463922, collar.
		463977	463923, cape. 463938 or 463955, quick disconnect valve. 455021 or 455022, hose.
119	MSA	463935	464815, helmet.
		463956	9961, belt.
		463957	463912 or 463918, cape.
		463958	463931, collar.
		463936	463938 or 463955, quick disconnect valve.

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
		463966	455021 or 455022, hose.
120	Defense Apparel	HSQ-10	1100, headpiece assembly. 1200, belt loop plate assembly. 1300 and 1400, airline assembly.
121	U.S. Safety Service Co.	152	152-A-00, facepiece assembly. 152-A-01, breathing tube assembly. 152-A-02, harness assembly. 152-A-03, quick disconnect. 152-A-04, control valve. 152-25 or 152-50, air supply hose.
122	Cesco Safety Products	97	97-A-00, facepiece assembly. 152-A-01, breathing tube assembly. 152-A-02, harness assembly. 152-A-03, quick disconnect. 152-A-04, control valve. 152-25 or 152-50, air supply hose.
123	3M	W-298	W-2908, facepiece. W-2888, breathing tube assembly. W-9435-25, -50, -100, high pressure hose.
124	Safety and Supply	RC2095	RC2095-HA, -SC, or -ST, hood and belt. 6000 series -HA, -SC, or -ST, airline hose. One length of either 4052-HA, -SC, or -ST, recoil hose may be substituted for one length of the 6000 series hose.
125	Devilbiss	MPH-532	R726 or R727, facepiece. R726, breathing tube assembly. P729, airline belt subassembly. R714, air supply hose.
126	U.S. Safety Service	153	153-A-00, facepiece assembly. 16133, breathing tube assembly. 152-A-02, harness assembly. 152-A-03, quick disconnect assembly. 152-A-04, control valve assembly. 152-25 or 152-50, air supply hose assembly.
127	Cesco	98	98-A-00, facepiece assembly. 16133, breathing tube assembly. 152-A-02, harness assembly. 152-A-03, quick disconnect assembly. 152-A-04, control valve assembly. 152-25 or 152-50, air supply hose assembly.
128	Standard	SD5890	SD-5734, hood assembly.

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-			
	Safety		SD-5735, air regulating valve, belt & hose assembly. SD-5736-50/75/100, air supply hose.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-21C-			
132	3M	8710 6983 8550	8710, 6983, or 8550, 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, 449703, 446486, or 466487, 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, 449703, or 466486, 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-260-12 W-260-24 W-261-12 S, M, L W-261-24 S, M, L W-266-12 W-266-24 W-267 W-278-12 W-278-24 W-289-12 W-289-24 W-290 W-295-12 W-295-24 W-297	W-2031, filter. W-2009AA or W-2009AD, back pack harness, or W-2008, W-2008BA, or W-2008-24 machine mounting. W-5005, W-5003BA, W-5002, W-5201, W-2810, or W-2850, helmet. W-2851 or W-2875, softcap, or W-2860, hardhat/shroud. 9450, belt. W-5108, W-2884, W-2877, W-2090, breathing tube.
137	3M	W-251 W-265	W-2031, filter. W-2090 or W-5108, breathing tube. W-2009AD or W-2009AA, back pack harness. W-2008, W-2008BA, W-2008-24, machine mounting. W-5006BA, sandblasting helmet. 9450, belt.
138	MSA	96000 457344	96042, filter. 96000 or 457344, facepiece.
139	Willson	560	AR699, respirator component.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-21C-			R707, filter/cartridge holder assembly. R60, filter. R635, filter retainers.
140	Willson	1210 1210S 1210SR	AR700 or AR700S, basic respirator assembly. R10, filters. R682, filter retainers. For full facepiece, AR1600 or AR1700, facepiece, R10 filters, and R682, filter retainers.
141	Willson	1211 1211S 1211SR	AR700 or AR700S, basic respirator assembly. R11, filters. For full facepiece, AR1600 or AR1700 facepiece and R11 filters.
142	Willson	1212 1212S 1212SR	AR700 or AR700S, basic respirator assembly. R12, filters. For full facepiece, AR1600 or AR1700, facepiece and R12 filters.
143	Willson	1400	1400, respirator assembly.
144	AO	R5030 R4030 R6030	50600, 50440, 50625, or 50119, basic respirator subassembly. 51062, filter covers. R30, filters.
147	AO	R1050	R1050, respirator assembly.
149	Scott	662-1 662-2 6150-0050 6150-1050 6150-2050 6155-0050 6155-1050 6155-2050 6160-0050 6160-1050 6160-2050 6170-0050 6170-1050 6170-2050	805, 742, 600100-00, 600100-01, 600121-01, 802167-01, or 801450-40 facepiece assembly. 802240-01, harness and 802472-01 canister adapter with 604100-50, filter. 502-R, filter.
150	MSA	88479, 457117	96680, 7-203-1, 7-223-1, or 95940, facepiece. 88480, 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
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 465937	7-204-1 or 460560, facepiece. 459322 or 465312, filter.
156	MSA	461683	461683, facepiece. 457481, filter.
157	Pulmosan	C-264 10045 10213 10234	10771, body assembly with either 10924, 10954 or 10792 face cushion, LR00-A 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 10042 10231	10768, body assembly. 10924, 10954, face cushion. C-263-7, filter.
159	MSA	460357	460357, facepiece. 457481, filter.
160	AO	R5057,	50600, 50440, 50625, 50206, or 50119, basic

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
		R6057 R4057	respirator subassembly. R57, filter.
161	AO	R5056, R6056 R4056	50440 or 50625 or 50119, basic respirator subassembly. R56, filter.
162	AO	R8100	51294 or 50270, basic respirator subassembly. 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 10171 10174 10216	10771, body assembly. 10924, 10954, or 10795, face cushion. C-264-7, filter. L-800-8, filter cap.
166	AO	R2090N	51460, basic respirator subassembly. R90N, filter. 51062, filter cover.
167	Devilbiss	MSD-507	51461, basic respirator subassembly. MSD-508, filter. 51062, filter cover.
168	Norton	75RP80 75RP80M	75RP30, 75RP30M, facepiece assembly. 7500-8, 7500-8F, 7500-8H, 7500-8S, or 7500-8SA (TC-21C-152), filters.
169	AO	R8156	51294 or 50270, basic respirator subassembly. R156, filter.
170	Norton	7170	7170, respirator.
170A	Norton	7170	7170, respirator. (single-use)
171	Norton	7680, 7680S	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-21C-			
		7680N 7680SN	7500-8, 7500-8F, 7500-8H, 7500-8S or 7500-8SA (TC-21C-152), filters. 7600-10, noseclip assembly.
172	Glendale	GR1000, GR3000	F-100 or F-300, facepiece. F-10A, filter. F-14, filter cover.
173	3M	8800 or 8530	8800 or 8530, respirator.
174	Rinks	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 6413-0100 6423-0100 6411-0100 6421-0100	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 or 68214-01, filter retainer. 64127-00 or 64172-01 (TC-21C-177), filter.
178	Scott	604022-50, 6411-2050, 6411-3050, 6413-2050, 6413-3050 6423-0050 6411-0050 6421-0050 6413-0050	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	150110	150, facepiece assembly. PI 159T5A, filter holder. 159T59, filter cover. 15AT10 (TC-21C-179), filter.
180	Cesco	95RC15	95, facepiece assembly. PI159T5A, filter holder. 95R8, filter cover. RC15 (TC-21C-180), filter.
181	MSA	462240 466212	7-202, facepiece, breathing tube and plenum assembly.

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
			459032 (TC-21C-133), filter. 459027, filter cover.
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 466607 466608	463352, 463246, 466356, 466496, or 466498, facepiece. 463380, motor-blower and hose assembly. 463284 (TC-21C-186), filter. 463239, battery. 463469, belt.
187	MSA	461847 465938	7-204-1, facepiece. 459321 (TC-21C-134), filter.
188	MSA	461845 466242 466243	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	15AT11	150, facepiece assembly. 15AT11 (TC-21C-193), filters.
194	Casco	95RC16	95, facepiece assembly. FC16 (TC-21C-194), filters.
195	Glendale	59-1 or G-570	59-1 or G-570, respirator.

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
196	Cover	1482-F108	B222, respirator. F108 (TC-21C-196), filter. B205, filter retainer.
197	Racal	AH5	A52, helmet assembly. A5938 or A55-3, visor surround with A575-3, visor. AS117 or AS118, face seals. AS119, temple seals. A54-3, motor assembly. A53 or A53-15, battery pack. AS23-3 (TC-21C-197), main filter. AS22-3 (TC-21C-197), pre filter.
198	Scott	6422-0100 6470-0100	802167-01, facepiece assembly, w/802240-01, harness. 802451-01, adapter assembly. 64172-01 (TC-21C-177), filters. 66215-01, filter retainer.
199	Scott	6422-0050 6470-0050	802167-01, facepiece assembly, w/802240-01, harness. 802451-01, adapter assembly. 804412050 or 604412-50 (TC-21C-178), filters.
200	MSA	466095 466096	7-203-1 or 7-223-1, facepiece. 456651 or 457158, breathing tube assembly. 466058 or 466077, duo flow adapter. 464807 or 88480, filter. 9961, belt. 455021 or 455022, hose.
201	MSA	466097 466098 466603	7-250-1, 7-250-2, 466497, or 466498, facepiece. 456651 or 457158, breathing tube assembly. 466058 or 466077, duo flow adapter. 446807 or 88480, filter. 9961, belt. 455021 or 455022, hose.
202	3M	9920	9920, respirator.
203	Norton	7507 7507M	7500-30 or 7500-30M, half mask assembly. 7500-7 (TC-21C-203), filters.
204	Norton	758P07 758P07M	758P-30 or 758P-30M, facepiece assembly. 7500-7 (TC-21C-203), filters.
205	Norton	7607 7607S	7608, 7608S, 7608N, 7608SN, full facepiece assembly. 7500-7 (TC-21C-203), filters.

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

Approvals issued since July 1, 1978

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-21C-			
		7607N 7607SN	
206	MSA	467010	453250, facepiece assembly. 467011 (TC-21C-106), filters.
207	AO	R7030	51512, full facepiece assembly. R30 (TC-21C-144/145), filter. R39, filter cover.
208	AO	R7057	51512, full facepiece assembly. R57 (TC-21C-160), filters.
209	Scott	6411-0300 6413-0300 6423-0300	600131-01 or 600131-03, facepiece. 600109-00 or 600118-00, head harness. 68246-01 (TC-21C-209), filters. 68214-01, filter holders. 68247-01, filter retainers.
210	Scott	6470-0300	802167-01, facepiece assembly. 802240-01, harness assembly. 8024510-1, adapter assembly. 68214-01, filter holders. 68246-01 (TC-21C-209), filters. 68247-01, filter retainers.
211	Racal	AH15 AH21	AS2, helmet assembly. AS5-3 or AS93h, visor surround. AS 75-3, visor. AS 117 or AS 118, face seal. AS 119, temple seal. AS 4-3, motor assembly. AS 3-15, battery pack. AS 23-3 (TC-21C-197), main filter. AS 22-3 (TC-21C-197), prefilter.
212	Racal	AH3 AH17	AS 939 or AS 937, helmet and faceshield assembly. AS 119, temple seal. AS 902, main housing assembly. AS 903, airflow module assembly. AS 904, battery pack assembly. AS 907 or AS 908, hose. AS 905, filter.
213	MSA	467559	467560, facepiece 467011 (TC-21C-206), filter.

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

Approvals issued since July 1, 1972

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-21C-			
214	Willson	1410	1410, respirator.
215	Binks	40-145	40-145, respirator.
216	Cesco	96RC15	96, full facepiece assembly. RC15 (TC-21C-180), filters. PI 159T58, filter holders. 95R8, filter covers.
217	U.S. Safety Service	151T10	151, full facepiece assembly. 158T10 (TC-21C-179), filters. PI 159T58, filter holders. 159T59, filter covers.
218	Cesco	96RC16	96, full facepiece assembly. RC-16 (TC-21C-194), filters.
219	U.S. Safety Service	151T11	151, full facepiece assembly. 158T11 (TC-21C-193), filters.
220	MSA	467541	467541 (TC-21C-220), respirator

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			
40	MSA	459433 461005 460852	449703, 7-201-1, 7-201-2, 466486, 466487, 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, 7-201-2, 466486, 466487, 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, 7-201-2, 466486, 466487, 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, 7-201-2, 466486, 466487, 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 75BP-30 or 75BP-30M, facepiece assembly. 7500-1, 7500-1F, 7500-1S, 7500-1SA (TC-23C-49), cartridges.
50	Willson	1221 1221S 1221SR	AR700 or AR700S, basic respirator assembly. R21 (TC-23C-50), 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
51	Willson	122110 122110S 122110SR	AR700 or AR700S, basic respirator assembly. R21 (TC-23C-50), cartridges. R10 (TC-21C-140), filters. R682, filter retainers.
52	Willson	122113 122113S 122113SR	AR700 or AR700S, basic respirator assembly. R21 (TC-23C-50), cartridges. R13 (TC-23C-52), filters.
54	Willson	122115 122115S 122115SR	AR700 or AR700S, 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.
56	AO	R5051 R4051 R6051	50206, 50440, 50119, 50625, basic respirator sub-assembly. R51 (TC-23C-56/57), cartridges.
59	Devilbiss	MSE-502 MSE-502-1	50728 or 51342, basic respirator sub-assembly. MSE-506 (TC-23C-59), cartridges.
60	AO	P5052 R4052 R6052	50206, 50440, 50119 or 50625, basic respirator assembly. R52 (TC-23C-60), cartridges.
63	Norton	7504 7504M	7500-30 or 7500-30M, facepiece assembly. 7500-4, 7500-4F, or 7500-4SA (TC-23C-63), cartridges.
64	Norton	7514 7514M	7500-30 or 7500-30M, facepiece assembly. 7500-4, 7500-4F, 7500-4SA (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, 7500-3F, 7500-3S, 7500-3SA (TC-23C-65), cartridges.
66	Norton	7513	7500-30 or 7500-30M, facepiece 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
		7513M	7500-3 (TC-23C-65), cartridges. 7500-6 (TC-21C-151) filters. 7500-14, filter covers.
70	Willson	1224 1224S 1224SR	AR700 or AR700S, basic respirator assembly. R24 (TC-23C-70), cartridges.
71	Willson	122410 122410S 122410SR	AR700 or AR700S, 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, 7500-1F, 7500-1S, 7500-1SA (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, 7500-21F, 7500-21SA (TC-23C-74), cartridges.
75	Norton	7531 7531M	7500-30 or 7500-30M, facepiece assembly. 7500-1, 7500-1F, 7500-1S, 7500-1SA (TC-23C-49), cartridges. 7500-10 (TC-23C-75), filters. 7500-26, filter covers.
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 1225S 1225SR	AR700 or AR700S, basic respirator assembly. R25 (TC-23C-76), cartridges.
77	Willson	122510 122510S 122510SR	AR700 or AR700S, basic respirator assembly. R25 (TC-23C-76), cartridges. R10 (TC-21C-140), filters. R682, 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
78	3M	W-262-12, -24 W-263-12 S,M,L W-264-12 W-279-12, -24 W-296-12, -24 W-291-12, -24	W-2801, W-2008-24, powered air purifier. W-2031 (TC-21C-136A), filter. W-2114 (TC-23C-7A), 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, or W-2860 Hardhad/Shroud. 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, 466486, 466487, 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 466249 466250 466251 466255 466528 466529	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 10009 10183 10219	10768, body assembly with either 10924, 10954, or 10792, face cushion. 17160 (TC-23C-81), cartridge.
82	AO	R5053, R6053 R4053	50206, 50440, 50119, 50600, 50625, basic respirator subassembly. R53 (TC-23C-82), cartridge.
83	AO	R5055, R6055 R4055	50206, 50440, 50119, 50600, 50625, basic respirator subassembly. R55 (TC-23C-83), 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
84	AO	R8151	51294 or 50270, basic respirator sub-assembly. 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.
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 GR2021-60 GR4021-60	F-200, F200A, F400, F400A, facepiece. C-21 (TC-23C-88), cartridge. F-20 or F60 (TC-23C-90), filter. F-21, filter retainer.
91	Pulrosan	C-259 10024 10198 10222	10768, body assembly. 10792, 10954, or 10924, face cushion. 17160 (TC-23C-81), cartridge. C-264-7 (TC-21C-157), filter. C-200-A, 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.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			R151 (TC-23C-84), cartridge. R149 (TC-23C-93), filter. R150, filter clip.
94	AO	R5051P R4051P R6051P	50206, 50440, 50625, or 50119, basic respirator sub-assembly. R51 (TC-23C-56/57), cartridge. R49 (TC-23C-94/95), filter. R185, filter clip.
96	Devilbiss	MSP-505 MSP-505-1	50728, 51342, basic respirator assembly. MSE-506 (TC-23C-59), cartridge. MSP-403 (TC-23C-96), filter. MSP-405, filter clip.
97	AO	R5091P R4091 R6091	50206, 50440, 50625, 50119, basic respirator sub-assembly. R91 (TC-23C-97/98), cartridge.
99	Cesco	94R40	94, facepiece assembly. R40, cartridge.
100	Pulmosan	C-251 10006 10180 10225	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. 7500-1, 7500-1F, 7500-1S, 7500-1SA (TC-23C-49) 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
103	Norton	75BP11 75BP11M	75BP30 or 75BP30M, facepiece assembly. 7500-1, 7500-1F, 7500-1S, 7500-1SA (TC-23C-49) cartridges. 7500-6 (TC-21C-151), filter. 7500-14, filter covers.
104	Norton	75BP03 75BP03M	75BP30 or 75BP30M, facepiece assembly. 7500-3, 7500-3F, 7500-3S, 7500-3SA (TC-23C-65), cartridges.
105	Norton	75BP13 75BP13M	75BP30 or 75BP30M, facepiece assembly. 7500-3, 7500-3F, 7500-3S, 7500-3SA (TC-23C-65) cartridges. 7500-6 (TC-21C-151), filter. 7500-14, filter cover.
106	AO	R505A, R605B R405A	50206, 50440, 50119, 50600, 50625, basic respirator subassembly. R5A (TC-23C-106), cartridge.
107	Cover	14R2-G100	B222, respirator assembly. G100 (TC-23C-107), cartridge.
107	Sellstrom	313-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	HSA	460400	461319, pocket respirator. 460401 (TC-23C-108), cartridge.
109	AO	R505A, R605B R405A	50206, 50440, 50119, 50600, 50625, basic respirator subassembly. R5A (TC-23C-109), cartridge.
110	Pulmosan	C-241	1076A, body assembly. 10924, 10954, or 10792, face cushion. 17160 (TC-23C-81), cartridge. C-241-7 (TC-23C-110), filter.

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
			C-200-8, filter cap.
110	Fiber Metal	C-241 10003 10177 10228	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 6411-0013 6413-0013 6421-0013 6423-0013	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps or 600126-00, facepiece assembly. 604412-13 or 604500-13 (TC-23C-113), cartridge.
114	Scott	604032-13, 6411-2113, 6411-3113, 6413-2113, 6413-3113 6411-0113 6413-0113 6421-0113 6423-0113	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps or 600126-00, facepiece assembly. 604412-13 or 604500-13 (TC-23C-113), cartridge. 65127-01 or 64172-01 (TC-21C-177), filter. 64100-00 or 68215-01, filter retainer.
115	Scott	604022-01, 6411-2001, 6411-3001, 6413-2001, 6413-3001 6413-0001 6423-0001 6411-0001	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps or 600126-00, facepiece assembly. 604412-01 or 604500-01 (TC-23C-115), cartridge.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			
		6421-0001	
116	Scott	604032-01, 6411-2101, 6411-3101, 6413-2101, 6413-3101, 6413-0101 6423-0101 6411-0101 6421-0101	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps, or 600126-00, facepiece assembly. 604412-01 or 604500-01 (TC-23C-115), cartridge. 64127-01 (TC-21C-177), filter. 64100 or 68215-01, filter retainer.
117	Scott	604032-00, 6411-2213, 6411-3213, 6413-2213, 6413-3213 6413-0213 6423-0213 6411-0213 6421-0213	600131-03 or 600131-01, facepiece with 600109-00 or 600118-00, head straps or 600126-00, facepiece assembly. 604412-13 or 604500-13 (TC-23C-113), cartridge. 68176-00 or 64173-01 (TC-23C-117), filter or 68246-01 (TC-21C-209), filter. 64030-00 or 68216-01, filter retainer.
118	U.S. Safety	150T20	150, facepiece assembly. 15AT20 (TC-23C-118), cartridge.
119	Cesco	95RC25	95, facepiece assembly. RC25 (TC-23C-119), cartridge
120	U.S. Safety	158T23	150, facepiece assembly. 15AT20 (TC-23C-118), cartridges. 15AT10 (TC-21C-179), filters. 159159, filter covers.
121	Cesco	95RC45	95, facepiece assembly. RC25 (TC-23C-119), cartridges. RC15 (TC-21C-180), filters. 95RB, filter covers.
122	Horton	7542 7542M	7500-30 or 7500-30M, facepiece assembly. 7500-2, 7500-2f, 7500-2SA (TC-23C-122), 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
			7500-40 (TC-23C-122), filters. 7500-14, filter covers.
123	3M	8712 8734	8712 (TC-23C-123), respirator. For dusts and mists add: 8732 (TC-23C-123), filter; 8733, 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.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			
			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.
129	3M	8714 8720	8714 (TC-23C-129) respirator. For dusts and mists add 8732 (TC-23C-123) filter and 8733 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.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			
142	Willson	162510, 172510	AR1600 or AR1700, facepiece. R25 (TC-23C-76), cartridges. R10 (TC-21C-140), filters. R6R2, filter retainers.
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.
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. 448R47 (TC-23C-79), cartridges.
149	MSA	461846 466256 466257	7-204-1, facepiece. 459315 (TC-23C-40), cartridges. 448R42 (TC-23C-80), filters. 448R46, filter covers.
150	MSA	461854	7-204-1, facepiece. 461834 (TC-23C-150), 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
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, 466486, 466487, facepiece, breathing tube, and plenum assembly (belt-mounted) 461634 (TC-23C-150), cartridges.
157	MSA	460965, 462238	7-201-1 or 7-201-2, facepiece or 7-202-1, 466486, or 466487, 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, 466486, 466487, 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, 466486, 466487, 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 7-202-1, 466486, 466487, 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	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.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			
169	U.S. Safety	150T25	158T21 (TC-23C-168), cartridges. 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 6411-0015 6421-0015 6413-0015 6423-0015	600131-01 or 600131-03, facepiece. 600109-00 or 600118-00, head straps. 600126-00, facepiece assembly. 604412-15 or 604500-15 (TC-23C-172), cartridges.
174	Scott	6411-2115 6411-3115 604032-15 6413-3115 6413-2115 6411-0115 6421-0115 6413-0115 6423-0115	600131-01 or 600131-03, facepiece, with 600109-00 or 600118-00, head straps, or 600126-00, facepiece assembly. 604412-15 or 604500-15 (TC-23C-172), cartridges. 64127-00 or 64172-01 (TC-21C-177), filters. 641000-00, filter retainers.
175	Norton	75BP31 75BP31M	75BP-30 or 75BP-30M, facepiece assembly. 7500-1, 7500-1F, 7500-1S, 7500-1SA (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	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			
176	Norton	75BP04 75BP04M	75BP-30 or 75BP-30M, facepiece assembly. 7500-4, 7500-4F, 7500-4SA (TC-23C-63), cartridges.
177	Norton	75BP14 75BP14M	75BP-30 or 75BP-30M, facepiece assembly. 7500-4, 7500-4F, 7500-4SA (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, 7500-21F, or 7500-21SA (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, 7500-1F, 7500-1S, or 7500-1SA (TC-23C-49) cartridges.
181	Norton	7603 7603S 7603N 7603SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-3, 7500-3F, 7500-3S, 7500-3SA (TC-23C-65), cartridges.
182	Norton	7604 7604S 7604N 7604SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-4, 7500-4F, 7500-4SA (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.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			
185	Norton	7611 7611S 7611N 7611SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-1, 7500-1F, 7500-1S, 7500-1SA (TC-23C-49), cartridges. 7500-6 (TC-21C-151), filters. 7500-14, filter covers.
186	Norton	7613 7613S 7613N 7613SN	7600-8, 7600-8S, 7600-8N, or 7600-8SN, full facepiece assembly. 7500-3, 7500-3F, 7500-3S, 7500-3SA (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, 7500-4F, 7500-4SA (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, 7500-1F, 7500-1S, 7500-1SA (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, 7500-21F, 7500-21SA (TC-23C-74), cartridges.
191	U.S. Safety	150T22	150, facepiece assembly. 158T22 (TC-23C-191), cartridges.
192	Cesco	95RC65	95, facepiece 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
			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.
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 466239 466240 466241 466526 466527	7-201-1, facepiece. 459315 (TC-23C-40), cartridges. 465947 (TC-23C-201), filters. 462603, 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
202	Cover	1482-G100-F104	8222, respirator assembly. G100 (TC-23C-107), cartridge. F104 (TC-23C-202), filter. B205, filter retainer.
203	Pulmosan	10012 10186 10240	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.
214	Norton	75BP84	75BP-30 or 75BP-30M, backpack 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
		758P84M	7500-84 (TC-23C-213), cartridges.
215	Norton	7684 7684s	7600-8 or 7600-8S, full facepiece assembly. 7500-84 (TC-23C-215), cartridges.
216	3M	8725 8726	8725 (TC-23C-216), respirator For dusts and mists add 8732 (TC-23C-123) filter. and 8734 filter retainer.
217	3M	8727 8728	8727 (TC-23C-217), respirator. For dusts and mists add 8732 (TC-23C-123) filter. and 8734 filter retainer.
218	Scott	6422-0101 6470-0101	802167-01, facepiece assembly, w/802240-01, harness. 802451-01, adapter assembly. 604500-01 (TC-23C-115), cartridges. 64172-01 (TC-21C-177), filters. 68215-01, filter retainers.
219	Scott	6422-0013 6470-0013	802167-01, facepiece assembly, w/802240-01, harness. 802451-01, adapter assembly. 604500-13 (TC-23C-113), cartridges.
220	Scott	6470-0113 6422-0113	802167-01, facepiece assembly, w/802240-01, harness. 802451-01, adapter assembly. 604500-13 (TC-23C-113), cartridges. 64172-01 (TC-21C-177), filters. 68215-01, filter retainers.
221	Scott	6422-0015 6470-0015	802167-01, facepiece assembly. 802240-01, harness. 802451-01, adapter assembly. 604500-15 (TC-23C-172), cartridges.
222	Scott	6422-0115 6470-0115	802167-01, facepiece assembly, w/802240-01, harness. 802451-01, adapter assembly.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			604500-15 (TC-23C-172), cartridges. 64172-01 (TC-21C-177), filters. 68215-01, filter retainers.
223	Scott	6411-2213 6411-0213 6411-3213 6413-0213 6421-0213 6413-2213 6413-3213 6423-0213 604032-00	600131-00 or 600131-03, facepiece w/ 600109-00 or 600118-00, head harness. 600126-00, facepiece assembly. 64173-01 (TC-23C-117) or 68246-01 (TC-23C-209) filters. 604500-13 (TC-23C-113), cartridges. 68216-01, filter retainers.
224	Scott	6422-0213 6470-0213	802167-01, facepiece assembly. w/802240-01, harness. 802451-01, adapter assembly. 604500-13 (TC-23C-113), cartridge. 64173-01 (TC-23C-117) or 68246-01 (TC-23C-209) filters. 68216-01, filter retainers.
225	Scott	6422-0001 6470-0001	802167-01, facepiece assembly. w/802240-01. 802451-01, adapter assembly. 604500-01 (TC-23C-115), cartridges.
226	Norton	7502 7502M	7500-30 or 7500-30M, facepiece assembly. 7500-2, 7500-2F, or 7500-2SA (TC-23C-122), cartridges.
227	Norton	75BP02 75BP02M	75BP-30 or 75BP-30M, facepiece assembly. 7500-2, 7500-2F, or 7500-2SA (TC-23C-122), cartridges.
228	Norton	7602 7602S 7602N 7602SN	7600-8, 7600-8S, 7600-8N, 7600-8SN, facepiece assembly. 7500-2, 7500-2F, or 7500-2SA (TC-23C-122), cartridges.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			
229	Norton	7512 7512M	7500-30 or 7500-30M, facepiece assembly. 7500-2, 7500-2F, or 7500-2SA (TC-23C-122), cartridges. 7500-6 (TC-21C-151), filters. 7500-14, filter covers.
230	Norton	75BP-12 75BP-12M	75 BP-30 or 75BP-30M, facepiece assembly, 7500-2, 7500-2F, or 7500-2SA (TC-23C-122), cartridges. 7500-6 (TC-21C-151), filters. 7500-14, filter covers.
231	Norton	7612 7612S 7612N 7612SN	7600-8, 7600-8S, 7600-8N or 7600-8SN, facepiece assembly, 7500-2, 7500-2F, or 7500-2SA (TC-23C-122), cartridges 7600-6 (TC-21C-151), filter. 7500-14, filter cover.
232	Pulmosan	10027	10915, 10948 or 10960, facepiece assembly. 17165 (TC-23C-203), cartridge. 17108 (TC-21C-157), filter. 10804, filter retainer.
233	AO	R7052	51512, full facepiece assembly. R52 (TC-23C-60/61), cartridges.
234	AO	R7053	51512, full facepiece assembly. R53 (TC-23C-82), cartridges.
235	AO	R7054	51512, full facepiece assembly. R54 (TC-23C-109), cartridges.
236	AO	R7051	51512, full facepiece assembly. R51 (TC-23C-56/57), cartridges.
237	AO	R7055	51512, full facepiece assembly. R55 (TC-23C-83), cartridges.
238	AO	R7058	51512, full facepiece assembly.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			R58 (TC-23C-106), cartridges.
239	AO	R7051P	51512, full facepiece assembly. R51 (TC-23C-56/57), cartridges. R69 (TC-23C-94/95), filter. R185, filter clip.
240	AO	R7091P	51512, full facepiece assembly. R91 (TC-97/98), cartridges.
241	Glendale	GR-2023 GR-4023	F-200, F-200A, F-400 or F-400A, facepiece assembly. C-23 (TC-23C-241) cartridges.
242	Glendale	GR-2023-10 GR-4023-10	F-200, F-200A, F-400 or F-400A, facepiece assembly. C-23 (TC-23C-241), cartridges. F-10-S (TC-23C-89), filters. F-21, filter retainers.
243	MSA	466165	7-201-1, 466486, or 466487, facepiece. 461937 (TC-23C-243), cartridges.
244	MSA	466163	7-201-1, facepiece assembly. 461001, breathing tube assembly. 461004, plenum assembly. 461973 (TC-23C-243), cartridges.
245	MSA	466164	7-204-1, facepiece assembly. 461973 (TC-23C-243), cartridges.
246	Scott	6411-0301 6413-0301 6421-0301 6423-0301	600131-01 or 600131-03, facepiece. 600109-00 or 600118-00, head harness. 604500-01 (TC-23C-115), cartridges. 68246-01 (TC-21C-209) filters. 68247-01, filter retainers.
247	Scott	6470-0301	802167-01, facepiece assembly. 802240-01, harness assembly. 802451-01, adapter assembly. 604500-01 (TC-23C-115), cartridges. 68246-01 (TC-21C-209), filters.

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
			68247-01, filter retainers.
248	Scott	6411-0313 6413-0313 6421-0313 6423-0313	600131-01 or 600131-03, facepiece. 600109-00 or 600118-00, head harness. 604500-13 (TC-23C-113) cartridges. 68246-01 (TC-21C-209) filters. 68247-01, filter retainers.
249	Scott	6470-0313	802167-01, facepiece assembly. 802240-01, harness assembly. 802451-01, adapter assembly. 604500-13 (TC-23C-113), cartridges. 68246-01 (TC-21C-209), filters. 68247-01, filter retainers.
250	Scott	6411-0315 6413-0315 6421-0315 6423-0315	600131-00 or 600131-03, facepiece assembly. 600109-00 or 600118-00, head harness. 604500-15 (TC-23C-172), cartridges. 68246-01 (TC-21C-209), filters. 68247-01, filter retainers.
251	Scott	6470-0315	802167-01, facepiece assembly. 802240-01, harness assembly. 802451-01, adapter assembly. 604500-15 (TC-23C-172), cartridges. 68246-01 (TC-21C-209), filters. 68247-01, filter retainers.
252	Scott	6411-0004 6413-0004 6421-0004 6423-0004	600131-01 or 600131-03, facepiece. 600109-00 or 600118-00, head harness. 604500-04 (TC-23C-252), cartridges.
253	Scott	6470-0004	802167-01, facepiece assembly. 802240-01, harness assembly. 802451-01, adapter assembly. 604500-04 (TC-23C-252), cartridges.
254	Scott	6411-0104 6413-0104	600131-01 or 600131-03, facepiece. 600109-00 or 600118-00, head harness.

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
		6421-0104 6423-0104	604500-04 (TC-23C-252), cartridges. 64172 (TC-21C-177), filters. 68215-01, filter retainers.
255	Scott	6470-0104	802167-01, facepiece assembly. 802240-01, harness assembly. 802451-01, adapter assembly. 604500-04 (TC-23C-252), cartridges. 64172-01 (TC-21C-177), filters. 68125-01, filter retainers.
256	Scott	6411-0304 6413-0304 6421-0304 6423-0304	600131-01 or 600131-03, facepiece. 600109-00 or 600118-00, head harness. 604500-04 (TC-23C-252), cartridges. 68246-01 (TC-21C-209), filters. 68247-01, filter retainers.
257	Scott	6470-0304	802167-01, facepiece assembly. 802240-01, harness assembly. 802451-01, adapter assembly. 604500-04 (TC-23C-252), cartridges. 68246-01 (TC-21C-209), filters. 68247-01, filter retainers.
258	Willson	122116 122116S 122116SR	AR700 or AR700S, half-mask facepiece assembly. R21 (TC-23C-50), cartridges. R16 (TC-23C-258), filters. R683, filter retainers.
259	Willson	162116 172116	1600 or 1700, full facepiece assembly. R21 (TC-23C-50), cartridges. R16 (TC-23C-258) filters. R683, filter retainers.
260	MSA	466903	7-201-1, facepiece assembly. 466796 (TC-23C-260), cartridges.
261	MSA	466902	7-202-1, facepiece assembly. 466796 (TC-23C-260), 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
262	MSA	466904	7-204-1, facemask assembly. 466796 (TC-23C-260), cartridges.
263	Cesco	96RC45	96, full facemask assembly. PC25 (TC-23C-119), cartridges. PC15 (TC-21C-180), filters. 95RB, filter covers.
264	U.S. Safety Service	151T23	151, full facemask assembly. 158T20 (TC-23C-118), cartridges. 158T10 (TC-21C-179), filters. 159T59, filter covers.
265	Cesco	96RC75	96, full facemask assembly. RC55 (TC-23C-164), cartridges. RC15 (TC-21C-180), filters. 95RB, filter covers.
266	U.S. Safety Service	151T25	151, full facemask assembly. 158T21 (TC-23C-168), cartridges. 158T10 (TC-21C-179), filters. 159T59, filter covers.
267	Cesco	96RC105	96, full facemask assembly. RC85 (TC-23C-166), cartridges. RC15 (TC-21C-180), filters. 95RB, filter covers.
268	U.S. Safety Service	151T28	151, full facemask assembly. 158T26 (TC-23C-170), cartridges. 158T10 (TC-21C-179), filters. 159T59, filter covers.
269	Cesco	95RC95	96, full facemask assembly. RC65 (TC-23C-192), cartridges. RC15 (TC-21C-180), filters. 95RB, filter covers.
270	U.S. Safety Service	151T27	151, full facemask assembly. 158T22 (TC-23C-191), cartridges.

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

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-23C-			
			158T10 (TC-21C-179), filters 159T59, filter covers.
271	Cesco	96RC35	96, full facepiece assembly. RC25 (TC-23C-119), cartridges. RC35 (TC-23C-126), filters. PI 159T60, filter retainers.
272	U.S. Safety Service	151T24	151, full facepiece assembly. 158T20 (TC-23C-110), cartridges. 158T24 (TC-23C-125), filters. PI 159T60, filter retainers.
273	Cesco	96RC125	96, full facepiece assembly. RC125 (TC-23C-199), cartridges.
274	U.S. Safety Service	151T30	151, full facepiece assembly. 158T30 (TC-23C-198), cartridges.
275	Cover	1482-G100-F108	R222, respirator assembly. G100 (TC-23C-107), cartridges. F108 (TC-21C-196), filters. R205, filter retainers.
276	Cover	1482-G100-F100	R222, respirator assembly. G100 (TC-23C-107), cartridges. F100 (TC-21C-154), filters. R205, filter retainers.
277	Devilbiss	MSP-507	51344, respirator assembly. MSP-16 (TC-23C-177), cartridge.
278	Devilbiss	MSP-506	51344, respirator assembly. MSP-16 (TC-23C-177), cartridge. MSP-17 (TC-23C-278), filter. MSP-19, filter clip.
279	Cover	1482-G106	R222, facepiece assembly. G106 (TC-23C-279), 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
260	Cover	1482-G106-F100	B222, facepiece assembly. G106 (TC-23C-279), cartridges. F100 (TC-21C-154), filters. B202, filter retainers.
281	AO	R4563 R5563	50440, 50119, 50625, facepiece. R563 (TC-23C-281), cartridge.
282	AO	R7563	51512, full facepiece. R563 (TC-23C-2A1), cartridge.

Table III-6. Vinyl chloride respirators component parts, by approval number.

Approval number	Approval issued to	Model number(s)	Component parts, number(s) and description
TC-11-			
1	Scott	601460-01 601460-03 601460-11 601460-13	802281-01 or 802281-02, facepiece, 64152-02, valve assembly, 600309, harness assembly with 600324-02, breathing tube, or 565 harness assembly with 600323-01, breathing tube, 084-VCL, canister.

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., 14 Mechanic Street, Southbridge, MA 01550.
Anderson Manufacturing Co., 1014 Fox Chase Road, Rockledge, PA 19111.
Bendix Corporation, P.O. Drawer 931, Lewisburg, Wv 24901.
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.
Browning Ferris Industries, Fannin Bank Building, Houston, TX 77025.
Bullard, E. D., Co., 2680 Bridgeway, Sausalito, CA 94965.
Cesco Safety Products, Parrelee Industries, Inc., P.O. Box 1237, Kansas City, MO 64141.
Clenco Industries, 2177 Jerrold Ave., San Francisco, CA 94124.
Clemtex, Ltd., 248 McCarthy Drive, Houston, TX 77020.
Cover, H.S. Co., 107 East Alexander St., Buchanan, MI 49107.
Defense Apparel, 285 Murphy Road, Hartford, CT 06114.
Devilbiss Company, 300 Phillips Ave., P.O. Box 913, Toledo, OH 43692.
Dragerwerk, AG, D-24 Luebeck 1, Postfach 1339, West 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 Siedler, Inc., 714 North Brookhurst St., Anaheim, CA 92803.
Mohawk Industrial Supply Company, P.O. Box 945, Manchester, CT 06040.
Mine Safety Appliances Co., 400 Penn Center Blvd., Pittsburgh, PA 15235.
3M Company, 3M Center, Building 230-B, St. Paul, MN 55101.
Northcott Products Co., 1826 W. Diversey Parkway, Chicago, IL 60614.
Norton Safety Products, 2000 Plainfield Pike, Cranston, RI 02920.
Pauli & Griffin, 137 Utah Ave., South San Francisco, CA 94080.
Pulmosan Safety Equipment Corp., 30-48 Linden Place, Flushing, NY 11354.
Robertshaw Controls Co., 333 North Euclid Way, Anaheim, CA 92803.
Safe-Tex, Toronto, Ontario, CANADA.
Safety and Supply Co., 5510 East Marginal Way South, Seattle, WA 98134.
Schmidt Manufacturing Inc., Houston, TX.
Scott Aviation, Division of ATO, Inc., 225 Erie Street, Lancaster, NY 14086.
Sellstrom Manufacturing Co., 59 E. Van Buren St., Chicago, IL 60605.
Siebe Gorman, Ltd., Chessington Surrey, ENGLAND.
Standard Safety Equipment Corp., P.O. Box 188, Palatine, IL 60067.
Stewart-warner, Chicago, IL.
SurvVAir, 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.
United States Safety Service, Panmelee Industries, Inc., P.O. Box 1237, Kansas City, MO 64141.
Willson Division ESB Incorporated, 2nd & Washington Sts., Reading, PA 19603.

CERTIFICATION NO. TC-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	GenRad	1982 (1982-9700)	1562 (1562-9701) or 1567 (1567-9701)	(1962-3300) Microphone (1982-0100) Instructions (1562-0100-I) Instructions or (1567-0100-C) Instructions	(1560-7551) Windscreen (1933-0220) Microphone Ext. Cable
114	GenRad	1565-B (1565-9702)	1562 (1562-9701) or 1567 (1567-9701)	(1560-2133) Microphone (1565-0101F) Instructions (1562-0100-I) 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 (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
122	GenRad	1981-B (1981-9750)	1562 (1562-9701) or 1567 (1567-9701)	(1962-3300) Microphone (1981-0110-C) Instructions (1562-0100-I) Instructions or (1567-0100-C) Instructions	(1560-7551) Windscreen (1933-0220) Microphone Ext. Cable
123	GenRad	1983 (1983-9730)	1562 (1562-9701) or 1567 (1567-9701)	(1983-2200) Microphone (1983-0150-A) Instructions (1562-0100-I) Instructions or (1567-0100-C) Instructions	(1560-7551) Windscreen

NAMES AND ADDRESSES OF MANUFACTURERS AND DISTRIBUTORS

Advanced Acoustical Research Corp., 1211 Stewart Ave., Bethpage, NY 11714.

GenRad, 300 Baker Avenue, Concord, MA 01742.

Mine Safety Appliances Co., 201 North Braddock Ave., Pittsburgh, PA 15208.

Quest Electronics, 510 Worthington St., P.O. Box 128, Oconomowoc, WI 53066.

Simpson Electric Co., 853 Dundee Ave., Elgin, IL 60120.