



MSA® CARTRIDGE STYLE RESPIRATORS



PART NUMBERS AND SCHEMATICS GUIDE

Company Profile

Since 1944, Marco has developed a strong tradition of providing innovative and reliable products and services to the surface preparation and protective coatings industries. We are the world's premier provider of Abrasives, Blasting Equipment, Coating and Painting Equipment, Engineered Systems, Rental Equipment, Safety Equipment, Service, and Repair.

Through innovative designs and a total commitment to quality, Marco manufactures products that increase production rates, create a safer workplace, and reduce maintenance costs. Marco's industry experience, manufacturing capabilities, legendary customer service, product availability, logistics services, and technology leadership is your assurance that we deliver high quality products and services, providing the best value to you, our customer.

The Marco Difference

- **Industry Experience** – With Marco on your team, you have access to expertise which can only come from decades of industry leadership. We have organized our engineering department, production specialists, customer operations, and safety support into a “Center of Competence.” As a Marco customer, you have access to hundreds of years of cumulative experience related to your operations.
- **Manufacturing Excellence** – Marco is a U.S. based, ISO 9001:2008 certified manufacturer of equipment for the Surface Preparation and Protective Coatings industries. Marco's engineers benchmark the industry to ensure that we design and manufacture superior products that set the “Gold Standard” for performance, safety, and quality.
- **Legendary Customer Service** – Marco's legendary customer service team is staffed by friendly, highly-trained individuals who are focused on providing the highest level of product support, order accuracy, and customer satisfaction.
- **Product Availability** – We stock over 10,000 SKU's and have over 45 shipping locations to serve North American and International markets for all major brands of blasting and painting equipment. As the largest provider of surface preparation and protective coatings equipment in the world, our inventory levels and product availability are unmatched.
- **Logistics Services** – Marco's in-house logistics team is dedicated to moving your shipment anywhere in the world. We move over 14,000 truckloads every year, allowing you to save on freight costs by leveraging our buying power. Lower your process costs with a single invoice, which includes product and freight.
- **Technology Leadership** – Our website provides: Operator's Manuals, Part Numbers and Schematics Guides, MSDS information, and Features, Advantages, and Benefits Guides, providing access to information 24/7. Our Extranet application allows you to receive quotes and place orders online. Our Intranet maintains a complete record of your purchase history to assist with ongoing support of your existing equipment and future purchasing decisions.

Vision Statement

Marco is the world's premier provider of Abrasives, Blasting Equipment, Coating and Painting Equipment, Engineered Systems, Rental Equipment, Safety Equipment, Service, and Repair.

Mission Statement

Marco provides strong leadership and innovation to the surface preparation and protective coatings industries. We dedicate our efforts to the continuous improvement of our products, services, processes, people, and most importantly, the quality of our customer's experience.

Quality Policy

Marco is committed to providing superior quality in the design, manufacturing, distribution, rental, service, and repair of our products. Our ISO 9001:2008 certification extends throughout all operations in all locations. Continuous improvement of our processes and supply chain Integration comprise the core of our business strategy for delivering exceptional quality and value in all Marco products and services.



Management Philosophy


We are a company dedicated to the success of every customer and associate. We discuss, debate, challenge, measure, and test our ideas. We will be boundless and limitless in our passion to improve. Through sound leadership and dedicated associates, we will ensure a long term, profitable future for Marco, our associates, customers, and suppliers.

TABLE OF CONTENTS












Company Profile	1
Table of Contents	2
MSA® Full Face Respirators	4
MSA® Respirator Cartridges & Filters	5
MSA® Ultra-Twin® Full Face Respirator	6-7
MSA® Ultra Elite® Full Face Respirator	8-9
MSA® Advantage 200 LS Half Face Respirators	10
MSA® Respirator Cartridges & Filters	11
Optional Accessories	12
Maintenance Notes	13-15

PART NUMBERS & SCHEMATICS GUIDE

		MSA® ULTRA-TWIN® FULL FACE RESPIRATOR			
Part Numbers		Size	Face Mask	Facepiece Material	U.O.M.
	10MSA480259	Small	Full	Silicone	One Each
	10MSA480259	Medium	Full	Silicone	One Each
	10MSA480267	Large	Full	Silicone	One Each
	10MSA471298	Small	Full	Hycar	One Each
	10MSA471286	Medium	Full	Hycar	One Each
	10MSA471310	Large	Full	Hycar	One Each

		MSA® ULTRA ELITE® FULL FACE RESPIRATOR			
Part Numbers		Size	Face Mask	Facepiece Material	U.O.M.
	10MSA10016755	Small	Full	Silicone	One Each
	10MSA10016756	Medium	Full	Silicone	One Each
	10MSA10016757	Large	Full	Silicone	One Each

PART NUMBERS & SCHEMATICS GUIDE

MSA® FULL FACE RESPIRATOR CARTRIDGES & FILTERS				
	Part Numbers	Description	Color	U.O.M.
	10MSA815178	Organic Vapor Cartridge with P100 Particulate Filter	Pink and Black Label	6/Package
	10MSA815180	Organic Vapor, Chlorine, Sulfur Dioxide, Chlorine Dioxide, Hydrogen Chloride, Hydrogen Sulfide Cartridge with P100 Particulate Filter	Pink and Yellow Label	6/Package
	10MSA815181	Ammonia and Methylamine Cartridge with P100 Particulate Filter	Pink and Green Label	6/Package
	10MSA815182	Multi-Purpose Cartridge with P100 Particulate Filter	Pink and Olive Label	6/Package
	10MSA464031	Organic Vapor Cartridge	Black Lid with Black Label	10/Package
	10MSA464046	Organic Vapor, Chlorine, Sulfur Dioxide, Chlorine Dioxide, Hydrogen Chloride, Hydrogen Sulfide Cartridge with R95 and N95 Particulate Filter	Yellow Lid with Yellow Label	10/Package
	10MSA464033	Ammonia and Methylamine Cartridge with R95 and N95 Particulate Filter	Green Lid with Green Label	10/Package
	10MSA492790	Multi-Purpose Cartridge with R95 and N95 Particulate Filter	Olive Lid with Olive Label	10/Package
	10MSA815175	P100 Particulate Filter	Pink Lid	10/Package
	10MSA816662	N95 Particulate Filter	White	10/Package
	10MSA489353	Reusable Snap-On Cover	Black	One Each

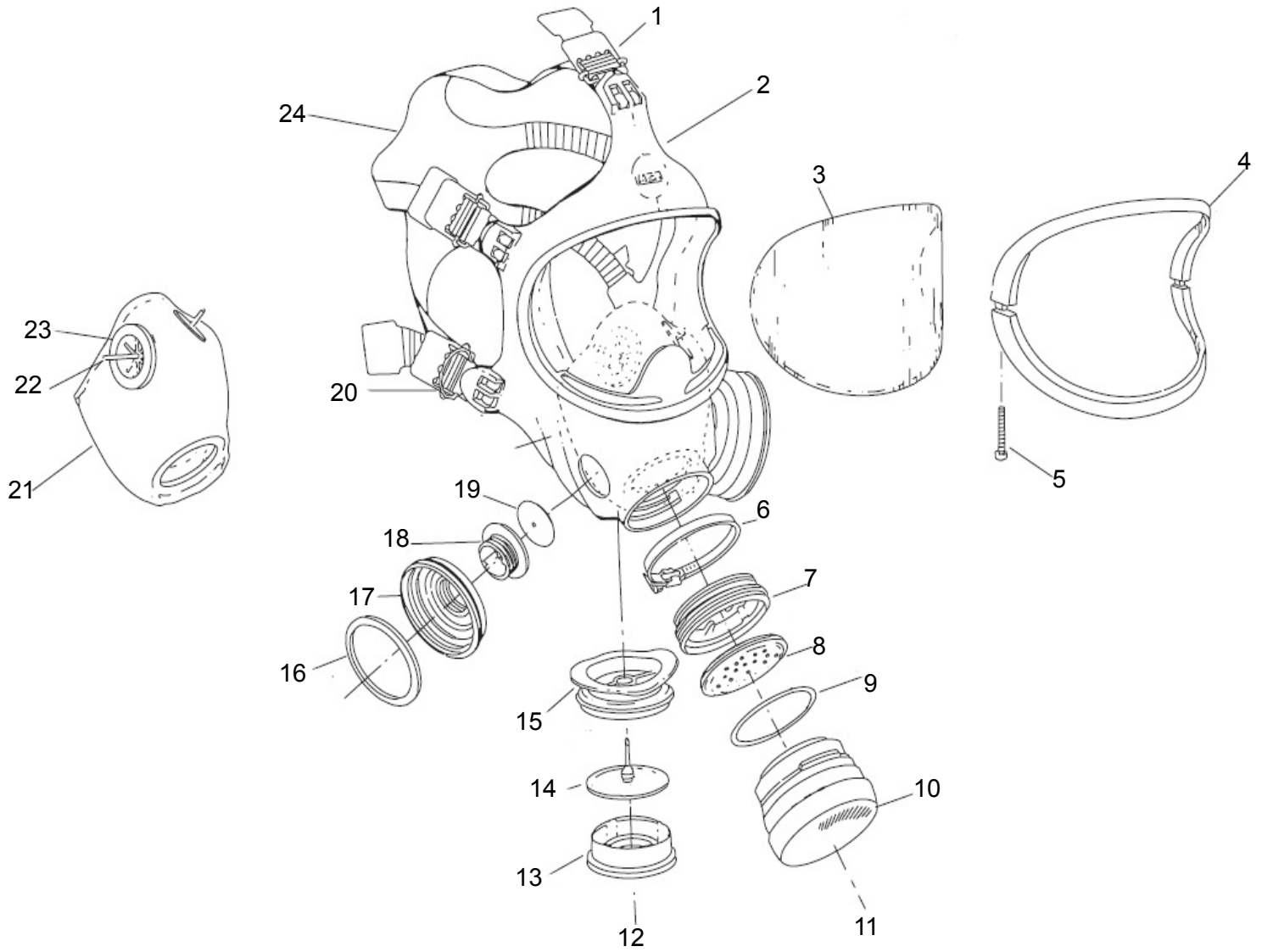
PART NUMBERS & SCHEMATICS GUIDE

MSA® Ultra-Twin® Full Face Respirator

Item #	Part #	Description
Fig. 1		
1	10MSA96662	Buckle for Harness
2	10MSA466202	Facepiece Blank, Medium, Black, Hycar
—	10MSA480214	Facepiece Blank, Medium, Black, Silicone
—	10MSA471587	Facepiece Blank, Large, Black, Hycar
—	10MSA480216	Facepiece Blank, Large, Black, Silicone
3	10MSA96677	Lens
4	10MSA47090	Lens Ring, Small, Gray
—	10MSA462709	Lens Ring, Medium, Black
—	10MSA470910	Lens Ring, Large, Gold
5	10MSA60532	Screw <i>(Two Required)</i>
6	10MSA458212	Clamp
7	10MSA96666	Retainer Ring
8	10MSA488875	Speaking Diaphragm
9	10MSA629935	O-Ring
10	10MSA473699	Speaking Diaphragm Housing
11	10MSA47038	Speaking Diaphragm Assembly <i>(Includes Item #'s: 6,7,8,9, and 10)</i>
12	10MSA82382	Exhalation Valve Assembly <i>(Includes Item #'s: 13,14, and 15)</i>
13	10MSA82382	Exhalation Valve Cover
14	10MSA78703	Exhalation Flapper Valve
15	10MSA461958	Exhalation Valve Body
16	10MSA459035	Cartridge Receptacle Gasket <i>(Two Required)</i>
17	10MSA460184	Cartridge Receptacle
18	10MSA459711	Inhalation Valve Seat <i>(Two Required)</i>
19	10MSA78584	Inhalation Valve <i>(Two Required)</i>
20	10MSA457190	Buckle Assembly with D-Ring <i>(Two Required)</i>
21	10MSA471711	Nose Cup Assembly, Medium
21	10MSA471712	Nose Cup Assembly, Large
22	10MSA491125	Valve Disc <i>(Two Required)</i>
23	10MSA491124	Valve Seat <i>(Two Required)</i>
24	10MSA458173	Head Harness
—	306M497	Part Numbers and Schematics Guide – MSA Full Face Respirators
—	109V103	Operating Instructions – MSA® Ultra-Twin® Full Face Respirator

PART NUMBERS & SCHEMATICS GUIDE

Figure 1: MSA® Ultra-Twin® Full Face Respirator



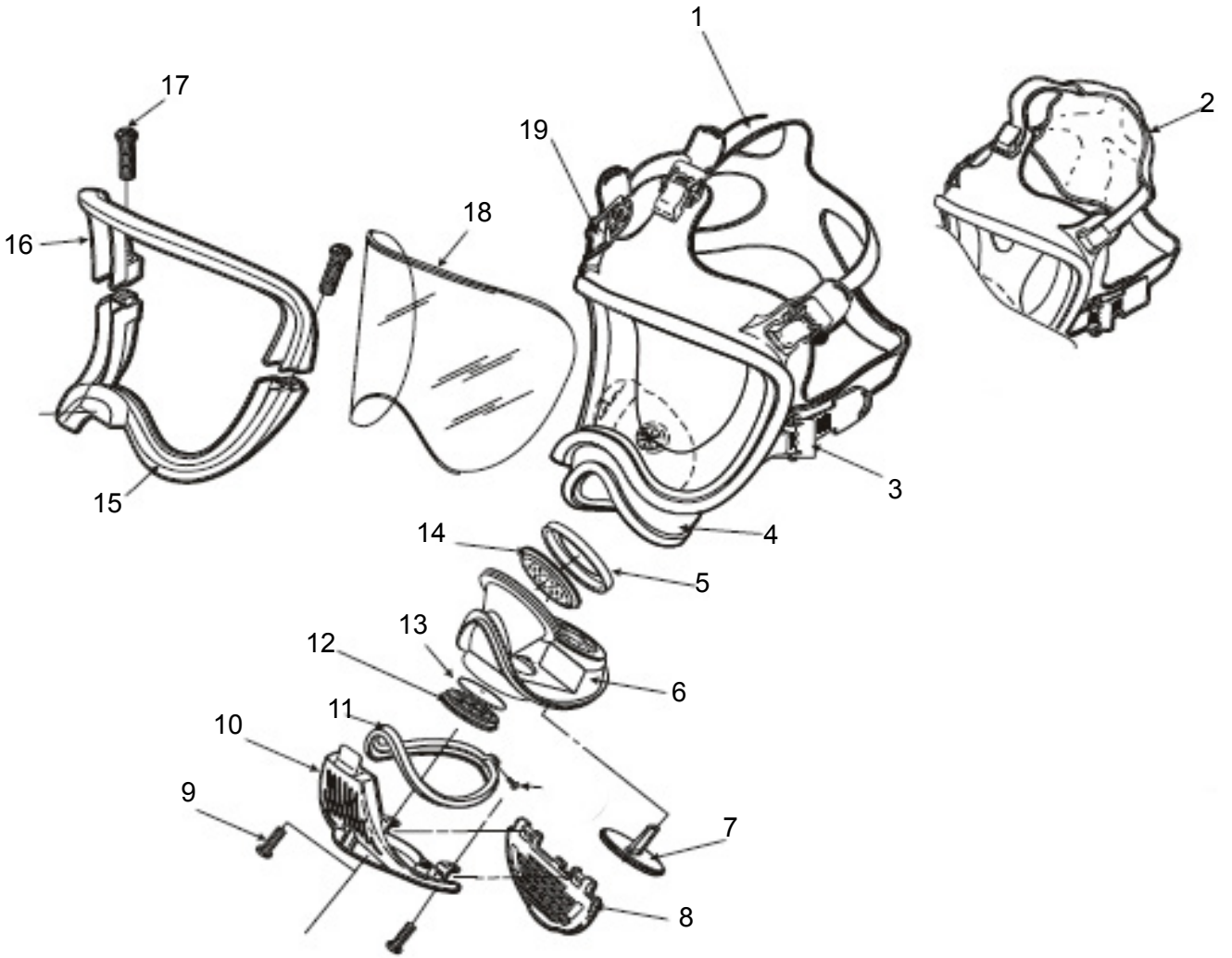
PART NUMBERS & SCHEMATICS GUIDE

MSA® Ultra Elite® Full Face Respirator



Item #	Part #	Description
Fig. 2		
1	10MSA804830	Rubber Harness with Buckles
2	10MSA805015	E-Z Don Harness, Medium with Buckles
—	10MSA805017	E-Z Don Harness, Large with Buckles
3	10MSA804807	Buckle Assembly with D-Ring
4	10MSA490138	Faceblank, Medium, Hycar
—	10MSA491039	Faceblank, Large, Hycar
—	10MSA491387	Faceblank, Medium, Silicone
—	10MSA491389	Faceblank, Large, Silicone
5	10MSA804808	Speaking Diaphragm Retainer
6	10MSA804810	Component Housing
7	10MSA804832	Exhalation Valve
8	10MSA804831	Door, Component Housing
9	10MSA804821	Component Housing Screw (<i>Two Required</i>)
10	10MSA804820	Cover, Component Housing
11	10MSA804809	Speaking Diaphragm
12	10MSA805011	Valve Spider
13	10MSA804813	Inlet Disc
14	10MSA804809	Speaking Diaphragm
15	10MSA804805	Lower Lens Ring
16	10MSA804804	Upper Lens Ring
17	10MSA804806	Lens Ring Screw
18	10MSA805019	Lens Hardcoat
19	10MSA804828	Buckle Assembly (<i>Three Required</i>)
—	306M497	Part Numbers and Schematics Guide – MSA® Full Face Respirators
—	109V104	Operating Instructions – MSA® Ultra Elite® Full Face Respirator

PART NUMBERS & SCHEMATICS GUIDE









Figure 2: MSA® Ultra Elite® Full Face Respirator



PART NUMBERS AND SCHEMATICS GUIDE





		MSA® ADVANTAGE® 200 LS HALF FACE RESPIRATOR			
Part Numbers		Size	Face Mask	Neck Style	U.O.M.
	10MSA815448	Small	Half	Single	One Each
	10MSA815444	Medium	Half	Single	One Each
	10MSA815452	Large	Half	Single	One Each
	10MSA815696	Small	Half	2-Piece	One Each
	10MSA815692	Medium	Half	2-Piece	One Each
	10MSA815700	Large	Half	2-Piece	One Each






PART NUMBERS AND SCHEMATICS GUIDE

MSA® ADVANTAGE® 200 LS RESPIRATOR CARTRIDGES & FILTERS				
	Part Numbers	Description	Color	U.O.M.
	10MSA815362	Organic Vapor Cartridge with P100 Particulate Filter	Pink and Black Label	6/Package
	10MSA815364	Organic Vapor, Chlorine, Sulfur Dioxide, Chlorine Dioxide, Hydrogen Chloride, Hydrogen Sulfide Cartridge with P100 Particulate Filter	Pink and Yellow Label	6/Package
	10MSA815365	Ammonia and Methylamine Cartridge with P100 Particulate Filter	Pink and Green Label	6/Package
	10MSA815366	Multi-Purpose Cartridge with P100 Particulate Filter	Pink and Olive Label	6/Package
	10MSA815355	Organic Vapor Cartridge	Black Lid with Black Label	10/Package
	10MSA815369	P100 Particulate Filter	Pink Lid	10/Package
	10MSA815394	N95 Particulate Filter and Cover	White	10/Package
	10MSA815397	R95 Snap-On Filter and Cover	White and Black	20/Package

101V498 – Flyer – MSA® Advantage® Respirator Cartridge and Filter Reference Chart

OPTIONAL ACCESSORIES

		ALCOHOL WIPES			
Part Numbers	Brand	Size	Description	U.O.M.	
	303M430071	Big Ones	8" x 11"	Individually wrapped	50 Wipes/Box
	303M430073	Procure	5" x 8"	Individually wrapped	100 Wipes/Box
	303M504	3M™	8" x 10"	Individually wrapped, Alcohol-Free	100 Wipes/Box
	303M660034	PDI® Sani-Dex®	6" x 7.5"	Individually wrapped	100 Wipes/Box

		FIT TESTING			
Part Numbers	Description	Manufacturer	Contents	U.O.M.	
	303MFT10	Qualitative Fit Test Kit	3M™	FT-11, FT-12, FT-14, FT-15, FT-13 (2)	One Kit
	303M430090	Banana Oil	Allegro	10 Glass Ampules Solution	10 Ampules/Box
	303M900601	Fit Test Adapter	3M™	Adapter, Connectors, Hose	One Kit
	303MFT12	Sweet Solution	3M™	Solution	6/Case
	303MF11	Saccharin Solution	3M™	Solution	6/Case

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