



HEALTH AND SAFETY APPLICATIONS IN WELDING



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CORPORATE

Magmaweld is a leading and trusted brand in welding. Since its foundation in 1957, the company has played a pioneering role in the development of the Turkish welding industry, building a strong reputation through a comprehensive and evolving product portfolio.

Responding to the needs of an advancing industrial landscape, Magmaweld expanded its manufacturing capabilities to include MIG/MAG and TIG wires, flux-cored wires, and submerged arc wires and fluxes. In 1971, the company started producing welding machines, later extending into robotic welding solutions through a strategic partnership with Panasonic in 1998.

In 2000, Magmaweld centralized its R&D, production, and logistics operations in a state-of-the-art facility in Manisa, Turkey. The move significantly enhanced efficiency, innovation, and quality. With this strategic step, Magmaweld strengthened its global presence and introduced its internationally recognized brand "Magmaweld". The name reflects the resemblance between molten magma beneath the Earth's surface and the molten weld pool.

Today, Magmaweld operates local production and sales organizations in **6 countries** across **3 continents** and exports to more than **75 countries** worldwide.

With a commitment to **"Non-Stop Welding"**, Magmaweld empowers industries with high-quality products, advanced technologies, and solution-driven engineering excellence, ensuring seamless and reliable welding operations across the globe.



Welding Consumables Factory
Organize Sanayi Bölgesi 2. Kısım, Manisa, Turkey



Welding Machines and Automation Factory
Organize Sanayi Bölgesi 5. Kısım, Manisa, Turkey



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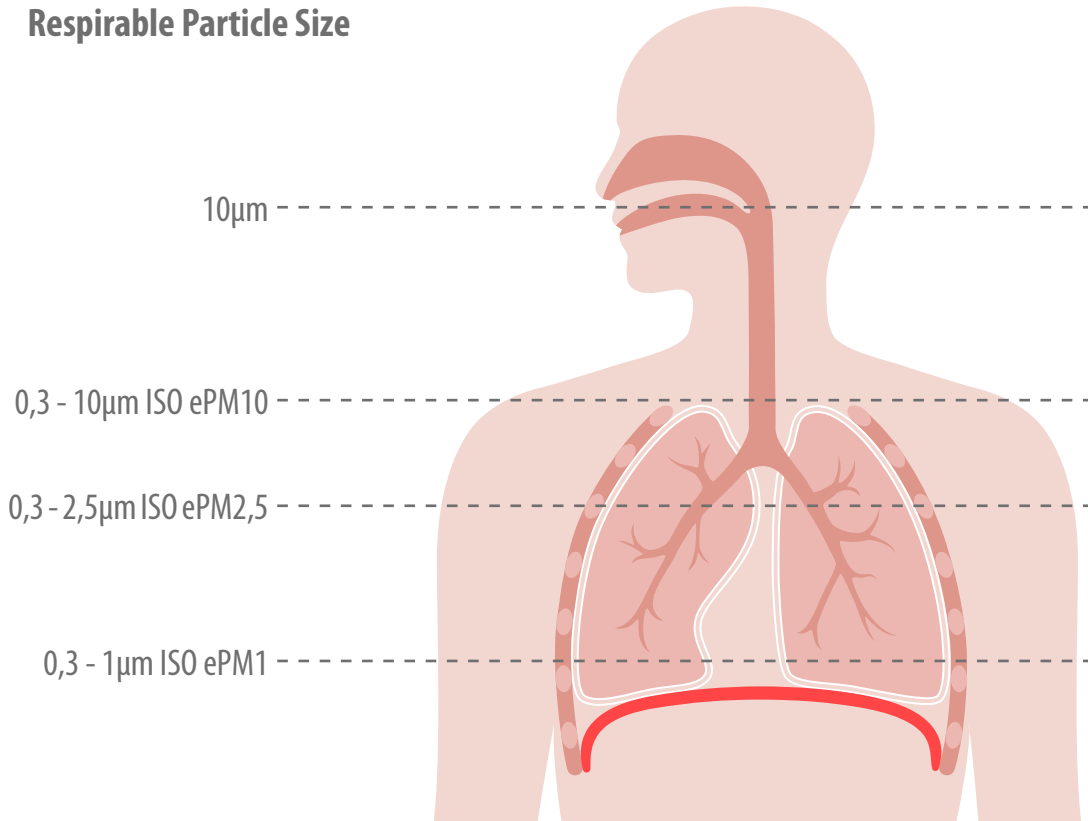
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EFFECTS OF WELDING FUMES AND HEALTH PRECAUTIONS

Welding fume extraction and filtration systems play a critical role in ensuring occupational health and safety. The efficiency of these systems is governed by defined technical standards and performance requirements to ensure compliance with occupational exposure limits and to maintain a safe and controlled working environment.

Respirable Particle Size



Welding fumes contain harmful metal oxide particulates, with particle sizes typically ranging from 0.01 µm to 1 µm. When inhaled, these fine particles can penetrate deep into the lungs and reach the alveoli.

In 2018, the International Agency for Research on Cancer (**IARC**) classified welding fumes and ultraviolet (UV) radiation generated during welding as Group 1 carcinogens.

Fumes generated during welding processes, consisting of gases and metal oxide particulates produced by the melting of metals, pose significant health risks. Inhalation of these fumes by workers can lead to serious illnesses and, in some cases, may result in fatalities.

Examples of Hazardous Metals and Gases:

CHROMIUM VI	CADMIUM	NICKEL
CO	OZONE	BERYLLIUM



EFFECTS OF WELDING FUMES AND HEALTH PRECAUTIONS

Welding fume filtration systems provide a safe and healthy working environment for welders by filtering over 99% of the generated welding fumes.

Welding Fume Filters			Filter Performance According to EN 779:2012	
Particle Size	Group	Filters	Average Capture Rate (A_m) % for Standard Dust Particles	Average Efficiency (E_m) % for 0.4 Micron Dust
	Particle Class	Filter Class		
Coarse Particle	G	G3	$80 < A_m < 90$	-
		G4	$90 < A_m$	-
Fine Particle	F	F7	-	$80 < E_m < 90$
		F8	-	$90 < E_m < 95$
		F9	-	$95 < E_m$

Welding Fume Filters			Filter Performance According to EN 1822:2011	
	Group	Filters	Particle - Dust Size	Separation %
Ultrafine Particle	EPA	E10	0.1 - 0.3 Micron	$85 <$
		E11	0.1 - 0.3 Micron	$95 <$
		E12	0.1 - 0.3 Micron	$99.5 <$
	HEPA	H13	0.1 - 0.3 Micron	$99.95 <$
		H14	0.1 - 0.3 Micron	$99.995 <$

Designed according to EN ISO 21904-1 standard.



E12-H13



F9

WELDING FUME EXTRACTION AND FILTRATION SYSTEMS (DEFS)

DFS 1M, DFS 2M

DFS 1MK, DFS 2MK

Mobile Models



Single-Arm Model
DFS 1M

Double-Arm Model
DFS 2M

- Operates on 3-phase 380 V – 50/60 Hz power supply
- Equipped with G3-class pre-filter and standard F9 main filter
- Perforated metal mesh provides effective spark suppression
- Filter replacement indicator light for timely maintenance
- Reverse phase control indicator ensures safe operation
- Supplied with a 3-meter power cable as standard
- Optional movable extraction arms available in 2 m, 3 m, and 4 m lengths
- Optional lighting for enhanced visibility
- Carbon filter for aluminum and stainless steel applications (MK models only)
- Optional E12 and H13 main filters for advanced filtration efficiency

WELDING FUME EXTRACTION AND FILTRATION SYSTEMS (DEFS)



	DFS 1M	DFS 2M
	DFS 1MK	DFS 2MK
Supply Voltage	380 V - 50 / 60 Hz	380 V - 50 / 60 Hz
Filtration Efficiency	> 99%	> 99%
Motor Power	1,1 kW / 1,5 kW (K model)	1,5 kW
Suction Capacity	2250 m ³ / hour	1650 m ³ / hour
Suction Capacity (for K Models)	2100 m ³ / hour	1350 m ³ / hour
Noise Level	72 dB (A)	72 dB (A)
Dimensions (l x w x h)	650 x 750 x 1050 mm	650 x 750 x 1050 mm
Dimensions (l x w x h) (for K Models)	650 x 750 x 1200 mm	650 x 750 x 1200 mm
Weight	96 kg	108 kg
Weight (for K Models)	115 kg	115 kg

Product Codes

DFS 1M / DFS 2M (with 2 m arm)	8411145M12	8411445M12
DFS 1M / DFS 2M (with 3 m arm)	8411145M13	8411445M13
DFS 1M / DFS 2M (with 4 m arm)	8411145M14	8411445M14
DFS 1MK / DFS 2MK (with 2 m arm)	8411245M12	8411545M12
DFS 1MK / DFS 2MK (with 3 m arm)	8411245M13	8411545M13
DFS 1MK / DFS 2MK (with 4 m arm)	8411245M14	8411545M14

Consumables and Optional Accessories

Pre-Fiber Filter	8490000301	8490000301
Cassette Filter (F9)	8490000105	8490000105
Carbon Filter (for K Models)	8490000200	8490000200
Lighting 3 m (Optional)	8421000103	8421000103



WELDING FUME EXTRACTION AND FILTRATION SYSTEMS (DEFS)

DFS 1S, DFS 2S

DFS 1SK, DFS 2SK

Fixed Models



Single-Arm Model
DFS 1S

Double-Arm Model
DFS 2S

- Operates on 3-phase 380 V – 50/60 Hz power supply
- G3-class pre-filter for initial dust capture
- Standard F9 main filter ensures high filtration efficiency
- Perforated metal mesh for effective spark suppression
- Indicator light for timely filter replacement
- Reverse phase control indicator for safe operation
- Supplied with a 3-meter power cable as standard
- Optional movable extraction arms available in 2 m, 3 m, and 4 m lengths
- Optional lighting for improved workspace visibility
- Carbon filter for aluminum and stainless steel fume extraction (SK models only)
- Optional E12 and H13 main filter upgrades for advanced protection

WELDING FUME EXTRACTION AND FILTRATION SYSTEMS (DEFS)



	DFS 1S DFS 1SK	DFS 2S DFS 2SK
Supply Voltage	380 V - 50 / 60 Hz	380 V - 50 / 60 Hz
Filtration Efficiency	> 99%	> 99%
Motor Power	1,1 kW / 1,5 kW (K model)	1,5 kW
Suction Capacity	2250 m ³ / hour	1650 m ³ / hour
Suction Capacity (for K Models)	2100 m ³ / hour	1350 m ³ / hour
Noise Level	72 dB (A)	72 dB (A)
Dimensions (l x w x h)	655 x 755 x 935 mm	655 x 755 x 935 mm
Dimensions (l x w x h) (for K Models)	655 x 755 x 1085 mm	655 x 755 x 1085 mm
Weight	90 kg	90 kg
Weight (for K Models)	110 kg	110 kg

Product Codes		
DFS 1S / DFS 2S (with 2 m arm)	8412145M12	8412445M12
DFS 1S / DFS 2S (with 3 m arm)	8412145M13	8412445M13
DFS 1S / DFS 2S (with 4 m arm)	8412145M14	8412445M14
DFS 1SK / DFS 2SK (with 2 m arm)	8412245M12	8412545M12
DFS 1SK / DFS 2SK (with 3 m arm)	8412245M13	8412545M13
DFS 1SK / DFS 2SK (with 4 m arm)	8412245M14	8412545M14

Consumables and Optional Accessories		
Pre-Fiber Filter	8490000301	8490000301
Cassette Filter	8490000105	8490000105
Carbon Filter (for K Models)	8490000200	8490000200
Lighting 3 m (Optional)	8421000303	8421000303

DFS MP

Compact Mobile Models



- Operates on single-phase 230 V – 50/60 Hz power supply
- Standard with a 2-meter flexible extraction arm
- Combines low energy consumption with high performance
- Captures welding fumes with up to 99% efficiency via advanced F9-grade filter
- Equipped with activated carbon filter for aluminum and stainless steel fume extraction
- Includes aluminum mesh pre-filter for spark suppression and pre filtration
- Filter replacement indicator ensures timely maintenance
- Integrated process control light for operational status
- Optional E12 and H13 filters available for enhanced filtration needs

Technical Specifications	Unit	Data
Mains Voltage (1 Phase)	230	V
Rated Power	0,575	kW
Suction Capacity	850	m ³ / hour
Noise Level	65	dB (A)
Filter Efficiency	99	%
Dimensions (l x w x h)	480 x 480 x 820	mm
Weight	49	kg
Product Code	8411325M12	

WELDING FUME EXTRACTION AND FILTRATION SYSTEMS (DEFS)

DES MS

Mobile Fan System



DES SS

Fixed Fan System



- Operates on 3-phase 380 V / 50–60 Hz power supply
- **Mobile Fan Systems** are ideal for narrow or enclosed environments
- Supplied with a standard 5-meter suction hose
- Outlet hose options available up to 15 meters
- Magnetic support enables flexible hood positioning at any desired location
- **Fixed Fan Systems** are designed for use in multiple welding cabins.
- Typically integrated into local ventilation infrastructure
- Compatible with 2 m, 3 m, or 4 m acrobat arms for customized reach
- Optional lighting available for DES SS models

		DES MS	DES SS
Supply Voltage		380 V - 50 / 60 Hz	380 V - 50 / 60 Hz
Motor Power		1,1 kW	1,1 kW / 1,5 kW
Suction Capacity		2800 m ³ / hour	2800 m ³ / hour
Noise Level		69 dB (A)	69 dB (A)
Dimensions (l x w x h)		650 x 500 x 250 mm	650 x 500 x 250 mm
Weight		49	37 kg
Product Code (DES MS)	Main Unit	8413145M00	-
	5 m Outlet Hose	8413145M45	-
	10 m Outlet Hose	8413145M46	-
	15 m Outlet Hose	8413145M47	-
Product Code (DES SS)	1.1 kW (2 m)	-	8414145M12
	1.1 kW (3 m)	-	8414145M13
	1.1 kW (4 m)	-	8414145M14
	1.5 kW (2 m)	-	8414245M12
	1.5 kW (3 m)	-	8414245M13
	1.5 kW (4 m)	-	8414245M14
Optional Accessories			
Lighting (2 m)		-	8421000502
Lighting (3 m)		-	8421000503
Lighting (4 m)		-	8421000504

Welding Fume Filtration Tables

DFM 1000

DFM 1250

DFM 1500



Designed for the extraction and filtration of welding fumes and dust.

Ideal for applications involving workpieces under 15 cm in height and not exceeding the dimensions of the welding table.

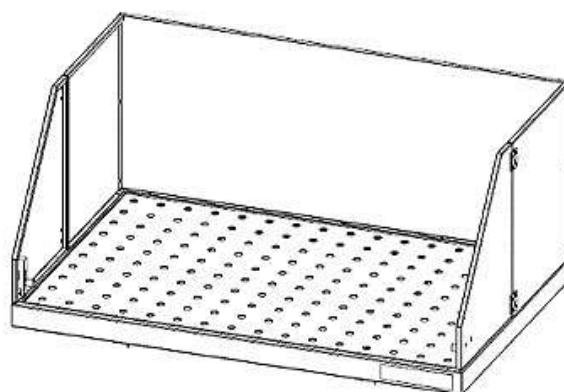
The DFM Welding Fume Extraction Table offers customizable table sizes and shielding options to suit various workspace requirements.

- Operates on 3-phase 380 V – 50/60 Hz power supply
- Equipped with G3-class pre-filter and standard F9 main filter
- Perforated sheet metal grid ensures effective spark suppression
- Filter replacement warning lamp for timely maintenance
- Reverse phase control indicator for safe operation
- Supplied with a standard 3-meter power cable
- Optional shield set available for enhanced protection
- Optional E12 and H13 main filter upgrades for advanced filtration



WELDING FUME EXTRACTION AND FILTRATION SYSTEMS (DEFS)

Technical Specifications	Unit	Data
Mains Voltage (3 Phase)	380 / 50 - 60 Hz	V
Rated Power	1.5	kW
Suction Capacity	1100	m ³ / hour
Noise Level	72	dB (A)
Filter Efficiency	99	%
Dimensions (l x w x h)	650 x 750 x 1015	mm
Weight	96	kg



Product Code	Model	Dimensions	Visor Set	Plexy Visor Set
8415245M00	DFM 1000	1000 x 400 mm	843110M400	843110M401
		1000 x 650 mm	843110M650	843110M651
8415345M00	DFM 1250	1250 x 400 mm	843125M400	843125M401
		1250 x 650 mm	843125M650	843125M651
8415445M00	DFM 1500	1500 x 400 mm	843150M400	843150M401
		1500 x 650 mm	843150M650	843150M651

Welding Grinding Table

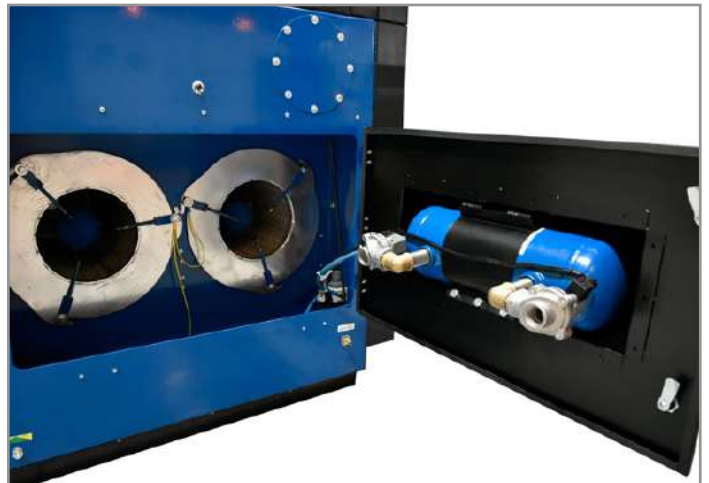


- Designed to absorb dust generated during grinding applications of small metal parts.
- Suitable for use in fine and rough grinding, welding applications.
- Bottom suction system captures fumes and dust before they reach the operator's breathing zone
- Durable and robust structure ensures safe and long-lasting operation
- Integrated dust tray allows for easy and efficient particle removal
- Ergonomic design enhances operator comfort during extended use
- Three-sided enclosed shield system prevents particle dispersion
- Plug fan technology delivers low-noise, high-performance operation

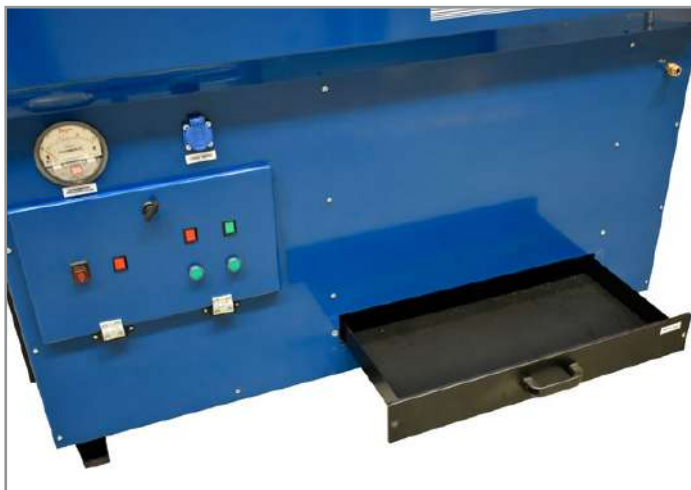
Technical Specifications	Unit	Data
Mains Voltage (3 Phase)	380 / 50-60 Hz	V
Rated Power	2.2	kW
Suction Capacity	900	m ³ / hour
Noise Level	75	dB (A)
Filter Efficiency	99	%
Dimensions (l x w x h)	900 x 1500 x 900	mm
Weight	440	kg



- Grinding chamber made of composite grid



- Jet-Pulse Filter System

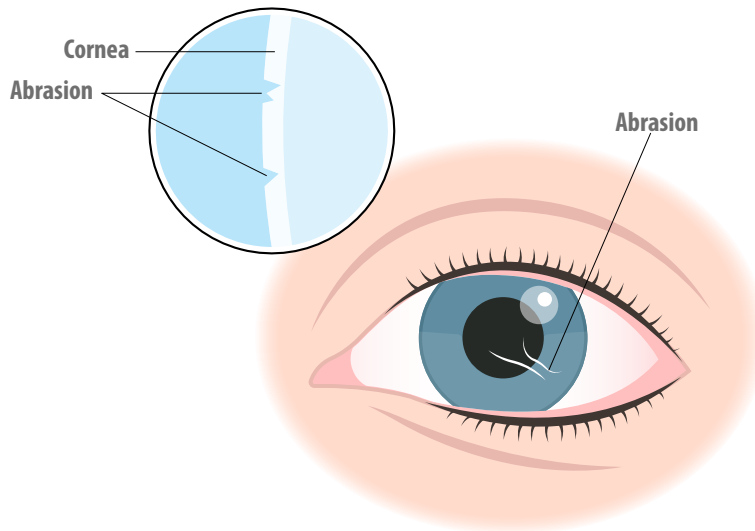


- Easy to clean particle tray

EFFECTS OF WELDING RADIATIONS ON THE EYE AND HEALTH PRECAUTIONS

Arc radiation is emitted during the welding process as high-intensity visible light, ultraviolet (UV) rays, infrared (IR) rays, and heat energy generated by the electric arc between the electrode and the workpiece.

Without proper eye protection or in cases where protective measures are insufficient exposure to arc radiation can lead to serious health risks, including corneal abrasion, retinal damage, and cataract formation.



The use and selection of welding masks are important for Eye and Face Protection.

The EN ISO 16321-2:2021 standard specifies the material, design, performance and safety criteria for protectors that provide eye and face protection in welding work.

EN 16321 Optical Protection Classification

This standard evaluates optical protection performance based on four key criteria. Each feature is rated on a scale from 1 to 3, where **1 represents the highest level of optical quality** and **3 the lowest**.

Image Clarity

Assesses the level of distortion in the viewing area and how accurately the filter reflects the real image.

Light Diffusion

Measures how effectively the filter diffuses light passing through it, minimizing glare and bright spots.

Uniform Darkening

Evaluates the consistency of the selected shade level across the entire filter surface.

Angular Dependence

Indicates how reliably the shade level is maintained when viewed from different angles.



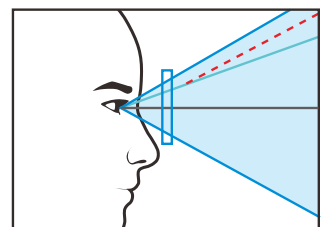
Image Clarity



Light Diffusion



Uniform Darkening



Angular Dependence

EFFECTS OF WELDING RADIATIONS ON THE EYE AND HEALTH PRECAUTIONS

Establishing safe working conditions

Shade Selection Table

Application	Electrode Size (mm)	Welding Current (A)	Minimum Darkening Level	Recommended Shade Value
Electrode (MMA) Welding	2.5	<60	8	-
	2.5 - 4	60 - 160	9	10
	4 - 6.4	160 - 250	10	12
	6.4	250 - 550	11	14
Gas Metal Arc (MIG) and Flux-Cored Arc Welding	-	<60	8	-
		60 - 160	9	11
		160 - 250	10	12
		250 - 550	11	14
Tungsten (TIG) Welding	-	<50	8	10
		50 - 150	8	12
		150 - 500	10	14
Carbon Cutting	Light	<500	10	12
	Heavy	500 - 1000	11	14
Plasma Welding	-	<20	6	6 - 8
		20 - 100	8	10
		100 - 400	10	12
		400 - 800	11	14
Plasma Cutting	Light	<300	8	8
	Medium	300 - 400	9	12
	Heavy	400 - 800	10	14
Brazing	-	-	-	5
Carbon Welding	-	-	-	10 max.

MKM 726S

The **Magmaweld MKM 726S** auto-darkening welding helmet offers a wide viewing area of **100 x 60 mm**, delivering superior visibility and protection during welding operations.

Equipped with an enhanced optical filter, it ensures high sensitivity to arc light and provides reliable protection against harmful radiation, safeguarding your eye health at all times.

Optical Protection Class: 1/1/1/2

Compliant with EN ISO 16321-2 standards, the filter provides an expanded viewing area of 100 x 60 mm, enabling a broader field of vision within the work zone.

Provides exceptionally high protection with an ultra-fast transition time from light to dark (1/30,000 sec).

Allows internal control of shade settings ranging from W 4-8 / 9-13 and enables selection of grinding mode via the control unit.



Enables precise adjustment of sensitivity and delay settings to the desired levels via the touchscreen interface on the filter.



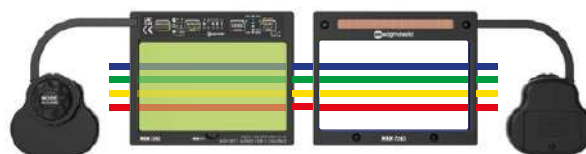
Provides a clearer image with high-quality external and internal lenses.



Certified to EN 175 standards, it offers ergonomic comfort with its high durability, lightweight, and flexible design.



Featuring an ergonomic headgear adjustable at six points, it secures the mask in the optimal position according to your head shape, providing more balanced support and reducing the perceived weight of the helmet.



Utilizes true color technology to provide a clearer view of the work area, reducing eye strain during operation.

MKM 726S

Applied Processes:

Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding – MIG/MAG (GMAW), Flux-Cored Arc Welding (FCAW), Gas Tungsten Arc Welding – TIG (GTAW), Carbon Arc Welding (CAW), Plasma Arc Welding (PAW), Grinding



Technical Specifications		Consumables		
	MKM 726S	Part No.	Material Name	Material Code
Optical Class	1/1/1/2	1	Outer Lens	8501304020
Viewing Area	100 x 60 mm	2	MKM Cartridge	8501LCD726
Cartridge Dimensions	110.00 x 90.00 x 9.00 mm	3	Inner Lens	85010726IC
Shade Levels	W 4 - 8 / 9 - 13	4	Headgear	8501406BAS
Shade Control	Internal, Variable Shade	5	Screw	8501304014
Sensors	4	6	Welding Helmet	8500405003
On / Off	Automatic	7	Lens Holder	8501304019
Power Supply	Solar Cell, Replaceable Battery; 2 x CR 2450			
Response Time	1 / 30,000 s – Light to Dark Transition			
Lightening Time	0.04 ~ 2.0 s – Adjustable via LED Panel			
Operating Sensitivity	≥ 5 A (DC); ≥ 5A (AC)			
Operating Temperature	- 5 °C ~ + 55 °C			
Storage Temperature	- 10 °C ~ + 60 °C			
Weight	470 gr.			
Product Code	8500405726			

MKM 636MA

The MKM 636MA auto-darkening welding helmet offers a wide **100 x 53 mm viewing area**, delivering excellent visibility and protection during welding operations.

Equipped with an advanced optical filter, it ensures high sensitivity to arc light and provides reliable shielding against harmful radiation, prioritizing eye safety and comfort in every application.

Optical Protection Class: 1/1/1/2

Compliant with EN ISO 16321-2 standards, the filter provides an expanded viewing area of 100 x 53 mm, enabling a broader field of vision within the work zone.



Enables precise adjustment of sensitivity and delay settings to the desired levels via the touchscreen interface on the filter.

Provides exceptionally high protection with an ultra-fast transition time from light to dark (1/30,000 sec).

Allows internal control of shade settings ranging from W 4-8 / 9-13 and enables selection of grinding mode via the control unit.



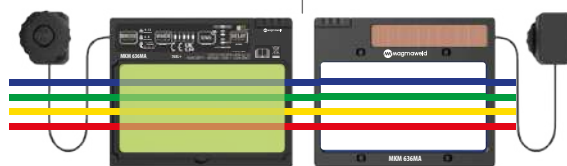
Provides a clearer image with high-quality external and internal lenses.



Certified to EN 175 standards, it offers ergonomic comfort with its high durability, lightweight, and flexible design.



Featuring an ergonomic headgear adjustable at six points, it secures the mask in the optimal position according to your head shape, providing more balanced support and reducing the perceived weight of the helmet.

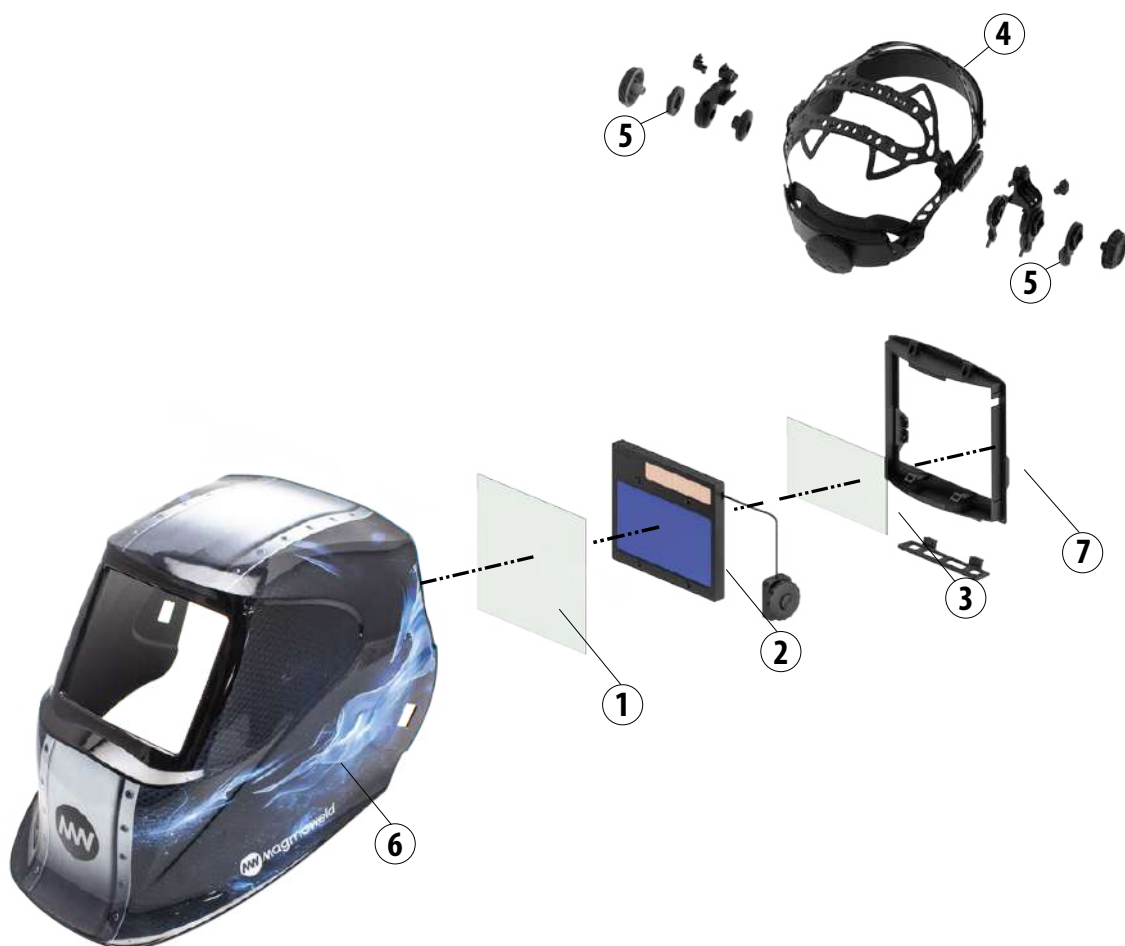


Utilizes true color technology to provide a clearer view of the work area, reducing eye strain during operation.

MKM 636MA

Applied Processes:

Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding – MIG/MAG (GMAW), Flux-Cored Arc Welding (FCAW), Gas Tungsten Arc Welding – TIG (GTAW), Carbon Arc Welding (CAW), Plasma Arc Welding (PAW), Grinding



Technical Specifications		Consumables		
	MKM 636MA	Part No.	Material Name	Material Code
Optical Class	1/1/1/2	1	Outer Lens	8501304020
Viewing Area	100 x 53 mm	2	MKM Cartridge	8501LCD636
Cartridge Dimensions	110.00 x 90.00 x 9.00 mm	3	Inner Lens	850106361C
Shade Levels	W 4 - 8 / 9 - 13	4	Headgear	8501406BAS
Shade Control	Internal, Variable Shade	5	Screw	8501304014
Sensors	4	6	Welding Helmet	8500405004
On / Off	Automatic	7	Lens Holder	8501304018
Power Supply	Solar Cell, Replaceable Battery; 2 x CR 2032			
Response Time	1 / 30,000 s – Light to Dark Transition			
Lightening Time	0.04 ~ 2.0 s – Adjustable via LED Panel			
Operating Sensitivity	≥ 5 A(DC) ; ≥ 5 A(AC)			
Operating Temperature	- 5 °C ~ + 55 °C			
Storage Temperature	- 10 °C ~ + 60 °C			
Weight	450 gr.			
Product Code	8500405636			

MKM 626S

The MKM 626S auto-darkening welding helmet features a **96 x 39 mm viewing area**, delivering reliable protection and high sensitivity against intense welding light.

Its advanced optical filter is engineered for enhanced safety, ensuring consistent performance while safeguarding eye health during every weld.

Optical Protection Class: 1/1/1/2

Compliant with EN ISO 16321-2 standards, the filter provides an expanded viewing area of 96 x 39 mm, enabling a broader field of vision within the work zone.

Provides exceptionally high protection with an ultra-fast transition time from light to dark (1/30,000 sec).

Allows internal control of shade settings ranging from W 4-8 / 9-13 and enables selection of grinding mode via the control unit.



Enables precise adjustment of sensitivity and delay settings to the desired levels via the touchscreen interface on the filter.



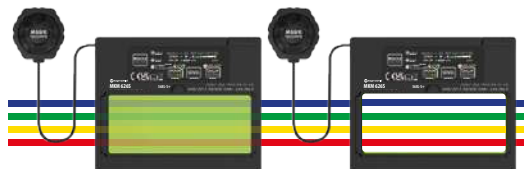
Provides a clearer image with high-quality external and internal lenses.



Certified to EN 175 standards, it offers ergonomic comfort with its high durability, lightweight, and flexible design.



Featuring an ergonomic headgear adjustable at six points, it secures the mask in the optimal position according to your head shape, providing more balanced support and reducing the perceived weight of the helmet.



Utilizes true color technology to provide a clearer view of the work area, reducing eye strain during operation.

MKM 626S

Applied Processes:

Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding – MIG/MAG (GMAW), Flux-Cored Arc Welding (FCAW), Gas Tungsten Arc Welding – TIG (GTAW), Carbon Arc Welding (CAW), Plasma Arc Welding (PAW), Grinding



Technical Specifications		Consumables		
	MKM 626S	Part No.	Material Name	Material Code
Optical Class	1/1/1/2	1	Outer Lens	8501304020
Viewing Area	96 x 39 mm	2	MKM Cartridge	8501LCD626
Cartridge Dimensions	110.00 x 90.00 x 9.00 mm	3	Inner Lens	850106261C
Shade Levels	W 4 - 8 / 9 - 13	4	Headgear	8501406BAS
Shade Control	Internal, Variable Shade	5	Screw	8501304014
Sensors	2	6	Welding Helmet	8500405001
On / Off	Automatic	7	Lens Holder	8501304018
Power Supply	Solar Cell, Replaceable Battery; 2 x CR 2032			
Response Time	1 / 30,000 s – Light to Dark Transition			
Lightening Time	0.04 ~ 1.0 s. Adjustable via LED Panel			
Operating Sensitivity	≥ 5 A(DC) ; ≥ 5 A(AC)			
Operating Temperature	- 5 °C ~ + 55 °C			
Storage Temperature	- 10 °C ~ + 60 °C			
Weight	415 gr.			
Product Code	8500405626			

MKM Series

Magmaweld's MKM Series auto-darkening welding helmets combine advanced optical technology with ergonomic design to deliver superior protection and operator comfort. Featuring large viewing areas ranging from **96 x 39 mm to 100 x 60 mm**, these helmets provide clear visibility and high sensitivity to arc light, ensuring optimal performance in various welding applications. Each model is equipped with an advanced filter system that offers reliable protection against harmful UV/IR radiation, reducing the risk of eye strain, corneal damage, and long-term vision issues. Built with durability and user comfort in mind, the MKM Series supports safe, efficient, and fatigue-free welding, making it the trusted choice for professionals seeking both safety and performance.



MKM 726S

8500405726

MKM 636MA

8500405636



MKM 626S

8500405626



MKM Series

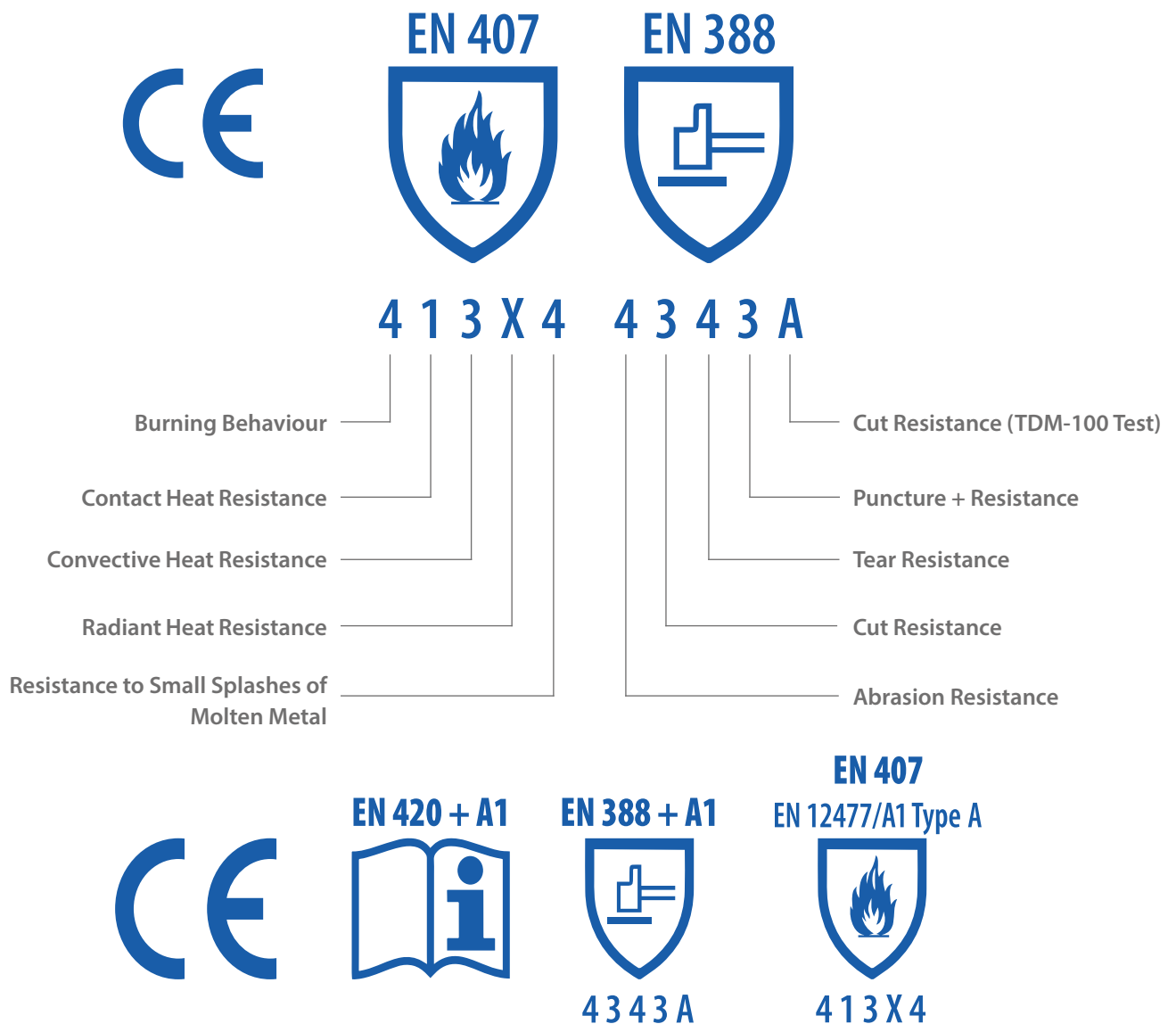


EFFECTS OF WELDING RAYS ON THE BODY AND HEALTH PRECAUTIONS

Arc radiation is emitted during the welding process as a result of the electric arc formed between the electrode and the workpiece. This radiation consists of high-intensity visible light, ultraviolet (UV) rays, infrared (IR) rays, and thermal energy. Prolonged exposure or contact with UV rays and the elevated temperatures generated during welding can cause skin burns, tissue damage, and may increase the risk of skin cancer.

Selecting appropriate protective clothing is crucial for body protection.

The **EN ISO 12477:2016 standard** specifies the required performance levels for **welding gloves** designed to protect hands during welding operations.



EN 407 : Minimum test level value: 1
Maximum test level value: 4

EN 388 : Minimum test level value: 1
Maximum test level value: 4 (cut resistance level up to 5)

TIG B200



Designed to meet the demands of professional welders, the TIG B200 glove is ideal for work environments where **TIG welding** is used intensively such as lighting, automotive, food production, industrial kitchens, white goods manufacturing, and maintenance-repair operations.

Its **Supersoft design and soft-touch texture** ensure enhanced tactile sensitivity and precision, allowing for maximum control during detailed welding tasks. In addition to comfort and flexibility, the TIG B200 provides **excellent protection** with its high resistance to heat, making it a reliable choice for both performance and safety.



EN 420 + A1



EN 388 + A1



3121X

EN 407

EN 12477/A1 Type B



21XX4X

- Stitched with **DUPONT® Kevlar® thread** for flame-resistant and highly durable seams
- **Supersoft design** ensures superior tactile sensitivity and control
- Features an **extended cuff** for added protection and compliance with safety standards
- **Tested and certified** according to **EN 12477:2016** for welding glove performance and safety

MIG 300



Engineered for demanding welding environments such as **automotive manufacturing, shipyards, and steel construction**, the MIG 300 glove is designed to meet the needs of professionals performing intensive welding tasks. It offers **superior cut resistance and long-lasting durability**, outperforming standard gloves in its class. With **high resistance to heat and welding spatter**, the MIG 300 ensures **maximum protection**, even under high-amperage conditions. The **reinforced palm** enhances abrasion resistance, while its ergonomic design delivers comfort and flexibility supporting continuous, fatigue-free work throughout the day.



EN 420 + A1



EN 388 + A1



4343A

EN 407
EN 12477/A1 Type A



413X4X

- Stitched with **DUPONT® Kevlar®** thread for **flame-resistant and highly durable seams**
- **100% cotton lining** ensures comfort during extended use
- **Ergonomic design** with reinforced palm delivers **enhanced performance and comfort**
- **Extended cuff length** provides added protection in compliance with safety standards
- **Tested and certified** in accordance with **EN 12477:2016** for welding glove safety and performance

Glove Size Chart

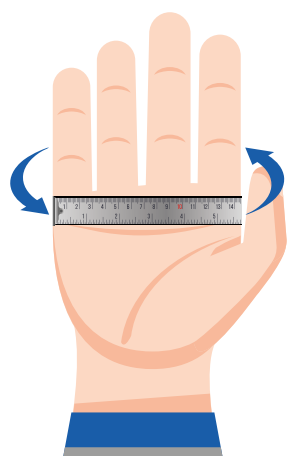
Width Measurement

Wrap a measuring tape around your hand just below the fingers, excluding your thumb, and make a fist. Use the measurement value to select the appropriate size from the chart.

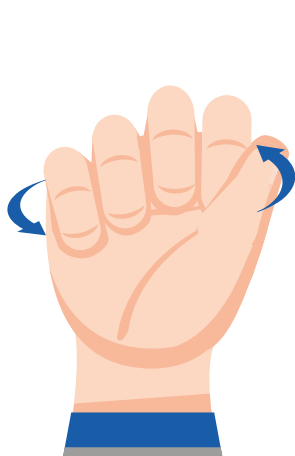
Length Measurement

To determine the length of your fingers, measure from the base of your palm to the tip of your middle finger.

Width	Length	Size
152-178 mm	160 mm	6
178-203 mm	171 mm	7
203-229 mm	182 mm	8
229-254 mm	192 mm	9
254-279 mm	204 mm	10
Over 215 mm	Over 215 mm	11



Width Measurement



Length Measurement

Non-Stop Welding Since 1957

Magmaweld is a leading developer and manufacturer of welding solutions since 1957, based in Turkey. The product range includes Stick Electrodes, MIG/MAG and TIG Wires, Flux Cored Wires, Submerged-Arc Wires and Fluxes, Welding Machines, Fume Extraction Systems, Welding Accessories, and Robotic Welding Automation Systems.

With 95% of its product portfolio manufactured in two state-of-the-art facilities located in Manisa, Magmaweld ensures high-quality, locally produced solutions trusted by professionals worldwide.



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