



We're aimed at offering competitive products to make all welders around the world afford it and effective solutions for their health and safety.



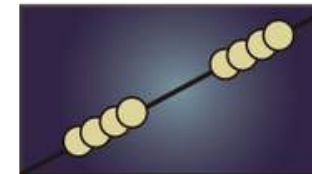
## EXAMPLES OF APPLICATION >>>



When we use heavy currents to weld stainless steel, there is usually a brilliant weld pool. When we finish welding, there remains strong residual light. So you can use "delay" (function) to extend the time of the changing screen regaining light.

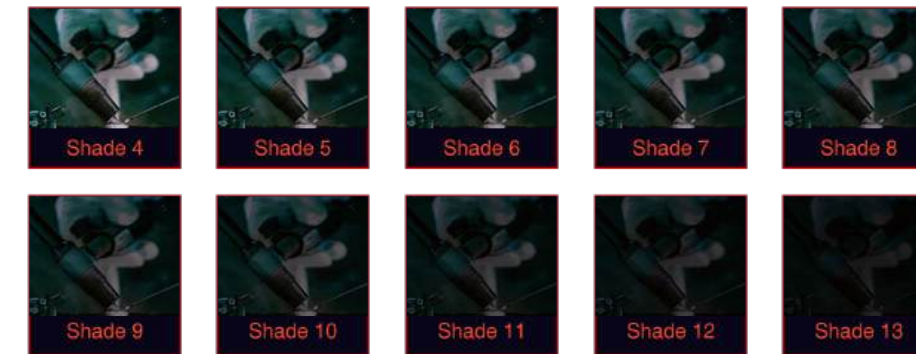


Use TIG inverter welder, set 1 amperage stable current, and you can make ADF sense weak and stable arc by raising "sensitivity", thus achieving the goal of changing light.



If you hope to improve work efficiency when shortly welding, you can make the changing s1xCReen regain light quickly by reducing the delay time. So you can check the welding point as soon as possible and prepare for the next welding.

## EXAMPLES OF APPLICATION TRUE COLOR TECHNOLOGY >>>



RECOMMENDE SHADE NUMBER ACCORDING TO EN 379

Welding process	Current in amperes ( A )																				
	1.5	6	10	15	30	40	60	70	100	125	150	175	200	225	250	300	350	400	450	500	600
MMAW(Covered electrodes)				8				9		10		11		12		13		14			
MAG				8				9		10		11		12		13					
TIG				8		9		10		11		12		13							
MIG								9		10		11		12		13		14			
MIG with light alloys										10		11		12		13		14			
Air-arc gouging										10		11		12		13		14		15	
Plasma jet cutting											9	10	11		12		13				
Microplasma arc welding		4		5		6		7		8		9	10		11		12				

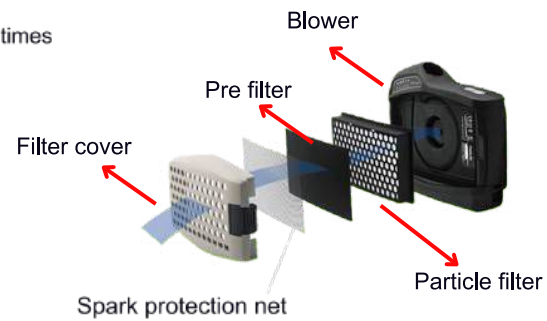
The table recommends best dark shade of welding filter for various working applications. According to the conditions of use, the next greater or the next smaller scale number can be used.

# AIR - I



- Filter level** TH3P
- Min Air flow** 170 L/MIN
- Low Air flow** 10-11 Hours
- Max Air flow** 220L/Min
- High Air flow** 8-9 Hours
- Charging time** 2.5 hours per time, Can be charged more than 500 times
- Belt** waist belt +shoulder belt
- Alarm** Light signal and sound vibration
- Storage / working** -5 ~+25°C / -5~+55 °C
- Air supply hose length** 850mm (900mm, including connectors) including protective sleeve
- Air supply hose diameter** 31 millimeters (inner diameter)

**MULTIPLE FILTERING**



# KWH-SHARKX-AIR 1-148



## SHARKX

SERIES

- Unique hemispherical design
- True color & High-resolution view
- Real 1/1/1/1 optical class
- High-speed switching time 1/35,000s
- Shade number DIN4/5~9/9~13
- Suitable for ergonomic design & more comfortable

**Colour**



BW 148	
1. Lithium battery	7. Delay time control button
2. ON/OFF	8. LCD
3. Digital display	9. Solar panel
4. Sensitivity control button	10. Arc sensor
5. Low voltage indicator	11. UV/IR Filter
6. Shade number button	

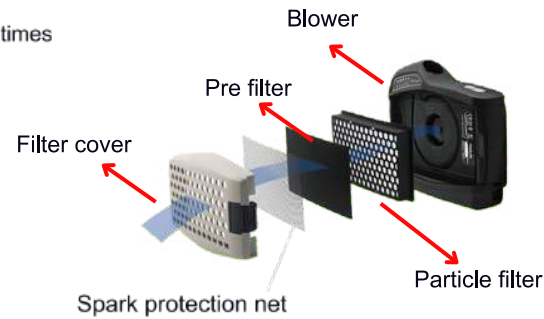
MODEL	Cartridge Size (mm)	Viewing Area (mm)	Light State	Dark State	UV/IR Protection	Switching Time	Low TIG amps rated	Grinding	Power Supply	Arc Sensor
BW 148	133X114X10	100x80	DIN 4	DIN 5-8/9-13	DIN 16	1/35,000s	5amps(DC/AC)	YES	1xCR2450	4

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**MULTIPLE FILTERING**



# KWH-FAB-AIR 1-192W



## FAB SERIES

- Large Viewing Size & Better clarity
- True color & High-resolution view
- Real 1/1/1/1 optical class
- High-speed switching time 1/30,000s
- Shade number DIN4/5-9/9-13
- Suitable for ergonomic design & more comfortable

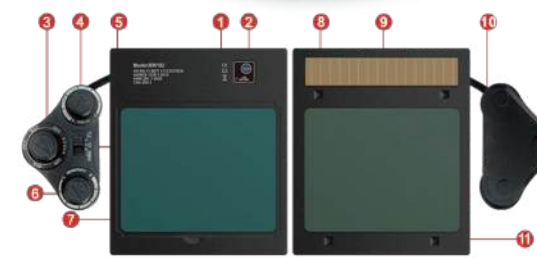
**Colour**

ELECTRODE

MIC/MAG

TIG

CUT



BW 182	
1. Low voltage indicator	7. LCD
2. Self-Test button	8. Solar panel
3. Shade control knob	9. UV/IR Filter
4. Delay time control knob	10. Lithium battery
5. Grind-Cut-Weld	11. Arc sensor
6. Sensitivity control knob	



BW 192W	
1. Shade control knob	7. Self-Test button
2. Delay time control knob	8. Arc sensor
3. Grind-Cut-Weld	9. Solar panel
4. Sensitivity control knob	10. Lithium battery
5. LCD	11. UV/IR Filter
6. Low voltage indicator	

MODEL	Cartridge Size (mm)	Viewing Area (mm)	Light State	Dark State	UV/IR Protection	Switching Time	Low TIG amps rated	Grinding	Power Supply	Arc Sensor
BW 182	133X114X10	100x80	DIN 4	DIN 5-9/9-13	DIN 16	1/30,000s	5amps(DC/AC)	YES	1xCR2450	4
BW 192W	133X114X10	100x98	DIN 4	DIN 5-9/9-13	DIN 16	1/30,000s	5amps(DC/AC)	YES	1xCR2450	4



## KWH-EPIC 120

### EPIC SERIES

- Flip-up design
- Filter with digital display & more professional
- True color & High-resolution view
- Real 1/1/1/1 optical class
- High-speed switching time 1/35,000s
- Shade number DIN4/5-8/9-13
- Suitable for ergonomic design & more comfortable

**Colour**

ELECTRODE

MIG-MAG

TIG

CUT



## KWH-SHARKX 142

### SHARKX SERIES

- Unique hemispherical design
- True color & High-resolution view
- Real 1/1/1/1 optical class
- High-speed switching time 1/35,000s
- Shade number DIN4/5-9/9-13
- Suitable for ergonomic design & more comfortable

**Colour**

ELECTRODE

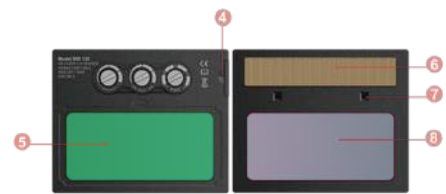
MIG-MAG

TIG

CUT



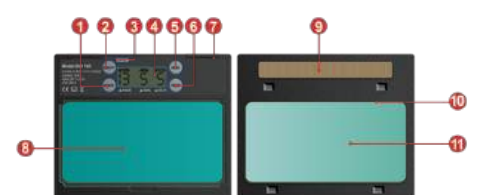
BW 102	
1. Lithium battery	4. Solar panel
2. Filter Housing	5. Arc sensor
3. LCD	6. UV/IR Filter



BW 120	
1. Sensitivity control knob	5. LCD
2. Delay time control knob	6. Solar panel
3. Shade control knob	7. Arc sensor
4. Lithium battery	8. UV/IR Filter



BW 142	
1. Lithium battery	7. Low voltage indicator
2. Switch/Mode Select	8. LCD
3. Shade control button	9. Solar panel
4. Digital display	10. Arc sensor
5. Sensitivity control button	11. UV/IR Filter
6. Delay time control button	



BW 145	
1. Lithium battery	7. Lithium battery
2. Switch/Mode Select	8. LCD
3. Low voltage indicator	9. Solar panel
4. Digital display	10. Arc sensor
5. Sensitivity control button	11. UV/IR Filter
6. Delay time control button	

MODEL	Cartridge Size (mm)	Viewing Area (mm)	Light State	Dark State	UV/IR Protection	Switching Time	Low TIG amps rated	Grinding	Power Supply	Arc Sensor
BW 102	110x90x9	90x35	DIN 3	DIN 11	DIN 16	1/15,000s	30amps(DC/AC)	No	1xCR2032	2
BW 120	110x90x9	92x42	DIN 4	DIN 9-13	DIN 16	1/25,000s	10amps(DC/AC)	No	1xCR2032	2

MODEL	Cartridge Size (mm)	Viewing Area (mm)	Light State	Dark State	UV/IR Protection	Switching Time	Low TIG amps rated	Grinding	Power Supply	Arc Sensor
BW 142	110x90x9	92x42	DIN 4	DIN 5-8/9-13	DIN 16	1/35,000s	5amps(DC/AC)	YES	2xCR2032	4
BW 145	110x90x9	100x50	DIN 4	DIN 5-8/9-13	DIN 16	1/35,000s	5amps(DC/AC)	YES	2xCR2032	4