

FUSION

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SAFETY

Active filters, An«intelligent»technology

Active welding filters provide reliable protection. Whether in a clear or darkened state, they ensure **permanent protection against UV/IR emissions, heat, sparks and projections**. The filter's degree of protection is defined to **avoid «blinding» by the electric arc**.

Active welding filters must always be used with a welding mask. When an electric arc is ignited, the active welding filters are **automatically darkened** and after the arc is extinguished, they return to the initial clear state. So the active welding filters free the welder's two hands, resulting in time savings, less fatigue and greatly improved quality thanks to a better placement of the arc. These filters must be protected by an external and internal polycarbonate protective screen.



Variable tint 6-8 / 9-13



4 independent sensor
XL field of vision: 100 x 49 mm

Ref. FUSV

The + product:

- Blocking of the cell to clear state for grinding
- Fine adjustment and progressive sensitivity
- Auto recovery delay adjustment
- Solar power
- Variable tint «6-8» / «9-13»

+ New Technology

- FILTER
- + fine,
 - + resistant,
 - + light,
 - + rapid

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FUSION

Electro-optical welding range

Products ref.	DESCRIPTION	WEIGHT	STANDARDS
FUSV	Electro-optical welding helmet(complete),variable tint 6-8/9-13	525 g	EN379 / EN175
B7V	Electro-optical filter, variable tint 6-8/9-13	121 g	EN379
COVEXTFUS	Exterior screen guard 114 x 91 mm	12 g	EN166
COVINTFUS	Interior screen guard 103 x 52 mm	7 g	EN166
ST3C	Adjustable headgear	110 g	CE
BESM	Hygienic strip	4 g	CE

CHARACTERISTICS :

Adjustment of the auto recovery and sensitivity adjustment
 Regulation of the darkened tint, tint 6 to 8 and 9 to 13 (continuously)
 Fine and progressive adjustment of sensitivity to optimize ARC detection

Electro-optical filter B1VE :

Size	110 x 90 mm
Lens thickness	8 mm
Field of vision	100 x 49 mm
4 independent photoelectric detectors	
Power supply	solar energy
Clear state	level DIN 4
Darkened state	level DIN 9-13
Reaction time	0,10 ms
Conditions	between -10°C and 60°C

Auto recovery time adjustable from 0,1 s (fast) to 1 s (slow)

Utilization processes :

coated electrodes

MIG / MAG

TIG

Plasma

Conforms to :

EN379, EN175

permanent DIN 16 - UV and IR protection

Warranty :

2 years

PACKAGING AND EAN13 CODE:

FUSV	B7V	COVEXTFUS	COVINTFUS	ST3C
3660740005696	3660740005702	3660740006334	3660740006341	3660740002800
per piece	per bag of 10	per bag of 10	per bag of 10	per piece

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FUSV

Mask painted in ZYTEL in high heat-resistant polyamide
 Adjustable head band, blocking position
 Interchangeable hygienic strip
 «Antireflection» exterior «toric» screen guard 114 x 91 mm
 Interior guard screen : 103 x 52 mm
 Ultra easy to change screen guard and filter
 Special heat reflecting black shiny
 Conforms to EN175
 Lightweight : 271 g

Notified
laboratories
for
certification :

