

Clean-air[®]

for welding

Increasing demands on personal protection bring the need of effective breathing protection during welding. An appropriate solution is to use a respiratory device which delivers a stream of clean air into the welding hood. The created overpressure prevents harmful substances in the surrounding air to enter into the hood. The system is effective, comfortable and does not increase the breathing resistance.



Welding hood CA-22 with integrated breathing protection

- stable, comfortable and well-balanced
- double/ thickened rim /heavy-beaded shell around the visor contributes to the increased heat insulation
- two stage flip-up window
- for autodarkening cassettes or fixed welding filter of size 110 x 90 cm
- clear safety polycarbonate folio for perfect visibility at grinding, checking and other operations is positioned under the flip-up window
- easy exchange of folios and the welding filter
- EN 175 B
- for integrated breathing protection equipped with a face seal, sweatbands and an airduct

Welding hood CA-24 with integrated breathing protection

- lightweight and flexible, covering the great part of the head
- developed for use with an autodarkening cassette of size 110 x 90 cm, which minimises the need to raise and lower the helmet during work
- allows to use autodarkening cassettes with outside adjustment, control knobs are placed on the left outer side and thus easily accessible without taking off the helmet
- easy exchange of folios and the welding cassette
- smooth and functional design for integrated breathing protection equipped with a face seal, sweatbands and an airduct
- EN 175 S



Clean-Air respiratory systems for welding hoods

respiratory unit **CA Basic**
for protection against particles



classification:
with CA Basic Dual Flow:
EN 12941 TH1PSL

with CA Basic Flow Control:
EN 12941 TH2PSL

respiratory unit **CA Chemical**
for protection against particles,
gaseous contaminants and
combination of both



classification:
with CA Chemical Dual Flow:
EN 12941 TH1

with CA Chemical Flow Control:
EN 12941 TH2

airline unit **CA Pressure** for
protection against the complete
spectrum of contaminants



classification :
with CA Pressure Dual Flow:
EN 1835 LDH2

with CA Pressure Flow Control:
EN 1835 LDH2

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Autodarkening cassettes

They switch to the dark state automatically at the strike of an arc and they return to the clear state after welding is complete. Usage of an autodarkening cassette minimises the need to manipulate with a welding hood. Cassettes are powered by solar cells in combination with the built in battery. All filters are manufactured according to DIN and EN standards.

F11



V913



V913ES



V913GDS



Technical parametres	F11	V913	V913ES	V913GDS
appropriate type of the welding hood	CA-22 CA-24	CA-22 CA-24	CA-24	CA-24
size	110 x 90 mm	110 x 90 mm	110 x 90 mm	110 x 90 mm
viewing area	95 x 46,5 mm	95 x 46,5 mm	95 x 46,5 mm	95 x 46,5 mm
powered by	solar cells	solar cells	solar cells	solar cells
UV / IR protection	UV15 / IR 14	UV15 / IR 14	UV15 / IR 14	UV15 / IR 14
open state shade	3	4	4	4
closed state shade	11	9 - 13	9 - 13	9 - 13
switching time at 23°C	0,5 ms	0,2 ms	0,2 ms	0,2 ms
clearing time	0,2 s	0,4 s	0,4 s	0,2 - 0,8 s
shade adjustment	no	yes internal knob	yes external knob	yes external knob
opening time delay adjustment	no	no	no	yes external knob
sensitivity adjustment	no	yes internal knob	yes internal knob	yes internal knob
weight	75 g	95 g	112 g	112 g
range of temperature in use	-10°C to +60°C	-10°C to +60°C	-10°C to +60°C	-10°C to +60°C
certification	EN 379	EN 379	EN 379	EN 379

Useful accessories

- **neck protection**
for all types of welding hoods
- **head protection**
for all types of welding hoods
- **Tyvek**
inner protective hood
- **protective folios**
inner and outer
- **welding lens**
size 110 x 90 shade 9 to 13

