

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
- thickened rim 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
- for integrated breathing protection equipped with a face seal, sweatbands and an airduct

Welding hood CA-20 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 110 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



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 - TH3PSL

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 - TH3

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



classification :
with CA Pressure Dual Flow:
EN 14594:052A

with CA Pressure Flow Master:
EN 14594:05 2A/3A/3B

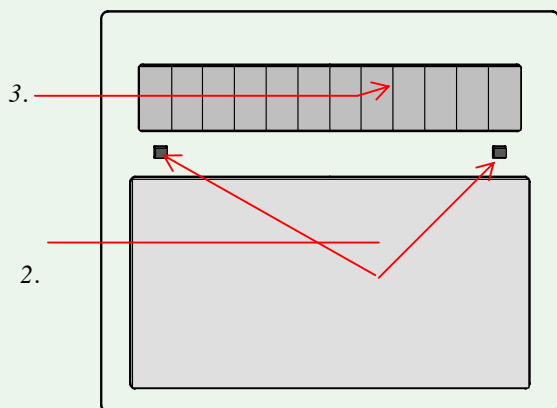
Filter V913 DS adc (code 405040)

Autodarkening welding filter is manufactured according EN 379 standard and is CE, GS, DIN as well as DIN Plus certified.

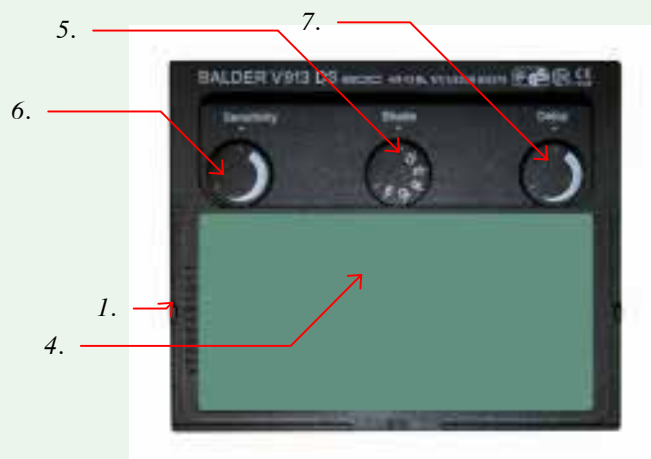
Dati Tecnici:

viewing area	95 X 46,5 mm
weight	95 g
open state shade	4
closed state shade	9 - 13
shade adjustment	yes / built in knob
sensitivity adjustment	yes / built in knob
delay adjustment	yes / built in knob
grinding mode	no
switching time at -5°C	0,0005 s
switching time at +23°C	0,00015 s
switching time at +55°C	0,00008 s
clearing time	0,2 - 0,8 s
UV/IR protection	UV 15 / IR 14
temperature range	- 10°C / +60°C
TIG detection	enhanced
energy supply	solar cells / no battery change

Clean AIR BALDER V913 DS adc scheme:



1. Filter housing
2. Photo-sensors (Photo diodes)
3. Photocell
4. Liquid crystal active light filter



5. Shade adjustment knob
6. Sensitivity adjustment knob
7. Delay adjustment knob

Filter DS adc PLUS (code 405070)

Autodarkening welding filter Clean AIR DS adc is manufactured according EN 379 standard and is CE, GS, DIN as well as DIN Plus certified.

Technical data:

ADF classification	1 / 1 / 1 / 1
dimensions	110 x 110 mm
viewing area	97 x 68 mm
weight	135 g
open state shade	4
closed state shade	9-13
shade adjustment	yes / internal knob
sensitivity adjustment	yes
delay adjustment	yes / internal knob
grinding mode	no
switching time at +23°C	0,5 ms
clearing time	0,2 - 0,8 s
UV/IR protection	UV 16 / IR 16
temperature range	- 10°C / +60°C
TIG detection	enhanced
energy supply	solar cells / no battery change

Filter GDS adc PLUS (cod. 405080)

Autodarkening welding filter is manufactured according EN 379 standard and is CE, GS, DIN as well as DIN Plus certified.

Technical data:

ADF classification	1 / 1 / 1 / 1
dimensions	110 x 100 mm
viewing area	97 x 68 mm
weight	165 g
open state shade	4
closed state shade	6-8 / 9-13
shade adjustment	yes / built in knob
sensitivity adjustment	yes
delay adjustment	yes / built in knob
grinding mode	yes / built in knob
switching time at +23°C	0,15 ms
clearing time	0,2 - 0,8 s
UV/IR protection	UV 16 / IR 16
temperature range	- 10°C / +60°C
TIG detection	enhanced
energy supply	solar cells / no battery change