



C H O O S E   R E D   S A F E T Y

## DOUBLE PROTECTION IN ONE SINGLE SYSTEM

Pantera Air System, the portable system that simultaneously protects eyes and respiratory tract.



# Pantera Air System

The ideal protection in all welding situations

Pantera Air System is a device that guarantees excellent respiratory tract and face protection, for added safety and comfort during welding. Portable and comfortable, it is ideal in all operating situations.

In indoor environments it can be combined with a centralized suction system for total protection, in outdoor environments it is the ideal solution, thanks to its power supply with long-lasting batteries, up to 8 continuous hours.

## THE HOSE

Corrugated hose with flameproof cotton cover and bayonet couplings.

## THE MASK

Pantera Mask equipped with digital controls with large visual area (114x113 mm) and darkening time less than 0.1 ms. Safety is guaranteed by 4 optical sensors.

## THE SUPPORT

Practical, comfortable and adjustable shoulder strap and padded belt.

## THE VENTILATION SYSTEM

The blower unit is the heart of the system.

- 3-speed air flow for optimal handling in all working conditions.
- Filter efficiency of 99.99% = 0.3  $\mu\text{m}$ .
- Full and intuitive digital display.
- System adjustable wearing gloves.

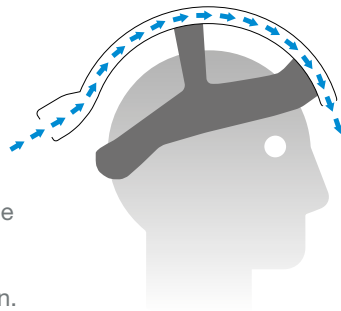
Pantera Air System complies with the following regulations:

- EN 12941:1998 + A2:2008
- EN 175
- EN 379
- ANSI Z87.1 2010
- CSA Z94.3

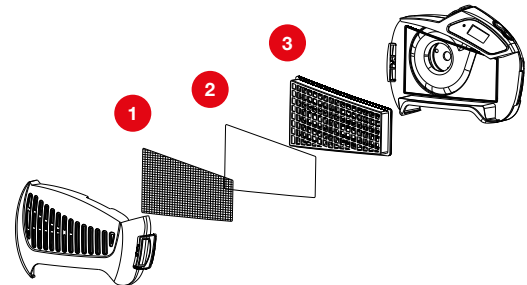


### PANTERA AIR SYSTEM OPERATION

The Pantera Air System aspires air from the environment and, filtering it with prefilters and filters, conveys a clean airflow to the head, ensuring a clean area for the respiratory tract, and therefore a good oxygenation.



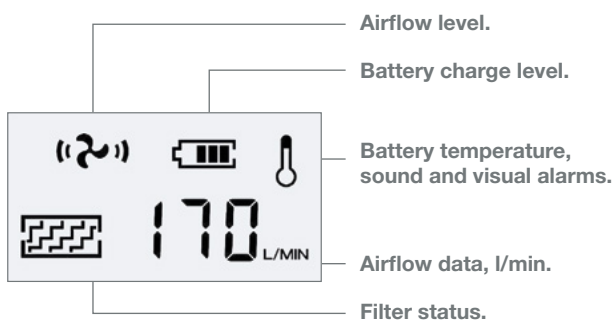
### COMPOSITION OF THE FILTER SYSTEM



- 1 Spark arrester to block coarse powders.
- 2 Prefilter to block powders in general.
- 3 Specific filter for thin particles with a filter efficiency of 99.99% = 0.3 µm.

Filters should be replaced in relation to hours of use. We recommend replacing them with a higher frequency to ensure a good clean air flow. In case of negligence in the replacement of the filters, the system goes into alarm signaling an inadequate airflow.

### LCD DISPLAY FUNCTIONS



### PANTERA, THE HIGH-PERFORMING AUTO DARKENING MASK

Pantera is the top autodarkening mask of the new Sacit series. Thanks to the use of four darkening sensors, precise digital adjustment and wide viewing area, this mask is dedicated to a welder who wants excellent performance in all welding processes.

**The innovative True Color system delivers real-world color vision, which allows less visual fatigue.**



The regulation of the DIN 5÷8 / 9÷13 filter is very precise thanks to the totally digital control.

Sensitivity and Delay digital adjusting.

Grinding function.

Four darkening sensors that guarantee maximum filter efficiency and better operator safety.

### Technical characteristics of the Pantera filter

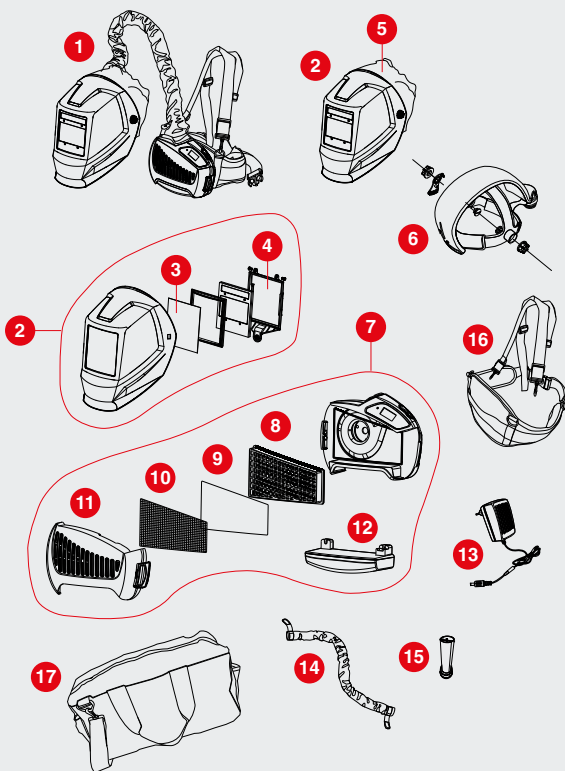
FILTER SIZE	WEIGHT	VISIBLE AREA	CLARITY DEGREE	DARKENING DEGREE	UV/IR PROTECTION	REACTION TIME	DELAY	POWER SUPPLY	OPTICAL CLASS
114x133	510	100x60	DIN 4	DIN 5÷13	DIN 15	< 0,08 ms	0,1÷0,9 s		1/1/1/2



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### Pantera Air System technical data

Filter type	TH2 P R SL
Filter efficiency level	99,99% = 0,3 µm
Airflow level	1 <sup>st</sup> speed: 170 l/min 2 <sup>nd</sup> speed: 200 l/min 3 <sup>rd</sup> speed: 230 l/min
Noise level	Max 70 dB
Belt size	900 ÷ 1300 mm
Blower unit size	240 x 165 x 70 mm
Blower unit weight	1,29 Kg
Battery model	Rechargeable Li-ION 440 mAh
Battery life	1 <sup>st</sup> speed > 8 h 2 <sup>nd</sup> speed > 6 h 3 <sup>rd</sup> speed > 4 h
Battery charge time	3,5 h
Number of battery recharges	500
Information on the digital display	Air flow rate and data Battery level Filter status
Usage temperatures	-5°C +55°C
Storage temperatures	-10°C +55°C



Code	Description
<b>1</b>	<b>MSC000440</b> Pantera Air System filter system + Pantera mask
<b>Pantera autodarkening mask</b>	
<b>2</b>	<b>MSC00430</b> Pantera autodarkening mask 114x133 mm
<b>3</b>	<b>LVE000238</b> External protection plate 111 x133x1 mm
<b>4</b>	<b>LVE000237</b> Internal protection plate 106x66x1 mm
<b>5</b>	<b>SPL000390</b> Cotton throat protection
<b>6</b>	<b>VCE000695</b> Air conveyer + headgear
<b>Pantera Air System filter system</b>	
<b>7</b>	<b>MU0360</b> Blower Unit
<b>8</b>	<b>SPL000380</b> Filter
<b>9</b>	<b>SPL000381</b> Prefilter
<b>10</b>	<b>SPL000382</b> Spark arrestor
<b>11</b>	<b>BW0755</b> Filter cover
<b>12</b>	<b>SPL000383</b> Rechargeable Li-ION battery
<b>13</b>	<b>SPL000388</b> Charger 120V
<b>14</b>	<b>SPL000384</b> Flame retardant corrugated air pipe 1 m
<b>15</b>	<b>SPL000387</b> Flowmeter
<b>16</b>	<b>SPL000385</b> Padded belt + shoulder strap
<b>17</b>	<b>SPL000389</b> Black canvas bag

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Edition 07/2017  
Code EA1335

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