



C500 Powered Air Purifying Respirator (PAPR)

For more than 40 years Micronel AG has been a leading Swiss manufacturer of high efficiency fans and blowers used for both, equipment cooling and personal protection applications in Industry, Civil Defence, Homeland Security, Army and Special Task Forces.

The MICRONEL C500 PAPR is a unique breathing support when wearing of protection suits and the use of filters are required.

Product Information

- the outside shell of the C500 is made of chemical resistant material (PP0)
- special shell design for easy decontamination
- high performance blower with brushless flat motor (maintenance-free) and equipped with a MICRONEL ASIC for the motor control
- electronic control for battery and motor management for 2 working points
- protected ON/OFF switch against unintended operation
- external connection for battery-independent operation with push-pull plug for avoiding accidental loosening of the supply cable
- plug for battery module; automatic connection of this plug when fitting the battery module

- acoustic battery alarm for 15 minutes reaction time
- air exhaust equipped with Rd52 connection
- automatic air input control for 2 working points with control and adjustment unit

Applications

The C500 unit is made for the use in critical environments such as

- nuclear Power Plants
- biological and virological environments
- maintenance in radio-active environments
- use of medical technologies
- hospitals

	Characteristics	Dimensions / Weights																																																				
	<ul style="list-style-type: none"> - high quality blower unit - extremely compact design - rugged design - light weight - easy handling and decontamination (IP67) - demountable battery module - NiMH Batteries (9 Ah) - external connection (push-pull) - constant airflow independent on filter pollution degree - more than 4 hours running time with battery 600l/min - 2nd battery module as independent unit - Adjustable for 4 filters (PF10 filters) RD40 x 1/7" 	<p>C500 PAPR Dimensions (length x width x height)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-right: 20px;">without battery module</td> <td>192 x 190 x 76 mm</td> </tr> <tr> <td>with battery module</td> <td>249 x 190 x 76 mm</td> </tr> <tr> <td>with battery module + filter</td> <td>249 x 190 x 108 mm</td> </tr> <tr> <td>battery module only</td> <td>88 x 190 x 70 mm</td> </tr> </table> <p>C500 PAPR Weights</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-right: 20px;">without filter and battery module</td> <td>approx. 900 g</td> </tr> <tr> <td>with 4 filters without battery module</td> <td>approx. 1260 g</td> </tr> <tr> <td>with 4 filters and battery module</td> <td>approx. 2500 g</td> </tr> </table>	without battery module	192 x 190 x 76 mm	with battery module	249 x 190 x 76 mm	with battery module + filter	249 x 190 x 108 mm	battery module only	88 x 190 x 70 mm	without filter and battery module	approx. 900 g	with 4 filters without battery module	approx. 1260 g	with 4 filters and battery module	approx. 2500 g																																						
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