

PAPR. Welding PAPR Complete System



Description

The ClearVIEW PA700 is a stylish powered air purifying respirator based on the principle of circulating filtered air into the hood. The lightweight belt-mounted blower unit delivers filtered air via an air hose into a headtop (welding hood). The supply of filtered air creates positive pressure inside of the headtop, which prevents the external contaminated air from entering the users breathing zone.

Features

The ClearVIEW PA700 unit has been designed to maximize comfort while providing excellent performance. The light weight compact unit is well balanced on the comfort belt reducing the risk of discomfort during use.

Using a highly efficient TH2 P R SL filter allows the ClearVIEW PA700 to protect against hazards such as powders, mists and welding fumes. The assigned protection factor is AP20.

The ClearVIEW PA700 provides a constant flow of 180 l/min ensuring that positive pressure is always maintained. It features a dual warning system using both audible and visual alarms to warn the user if the flow rate drops below 170 l/min, if the battery level is low, or a filter is blocked.

Constructed from robust ABS material, the PA700 unit is tough and able to cope with the harsh welding environment. It also comes with a spark deflector designed to protect the PRSL filter from direct contact with spatter or airborne particles.

The reusable and replaceable light weight Li-Ion batteries provide enough power to operate the unit for 8 hours (fully charged unit fitted with a clean filter). The Li-Ion battery is replaceable allowing the unit to be used for split shifts by simply changing the battery over.

Every aspect, of the welding environment has been taking into consideration and show in the design. For example the hose comes complete with a cotton FR treated cover to reduce the risk of damage from spatter.

The ClearVIEW PA700 uses the ClearVIEW OHE410 welding helmet fitted a cotton FR treated face seal to maximize comfort and a multi adjustable headgear with an overhead air duct and a fluted air diffuser to reduce the risk of "dry eye effect" by directing the air flow towards the front of the shell and not straight over the user's eyes.

The ClearVIEW OHE410 headtop is equipped with a high quality 4/9-13 electronic Auto Darkening Filter (ADF) with grind function lens. Switching time from clear to dark is approximately 0.003 seconds (0.3ms) providing quick and effective protection. The ADF changes from dark to light between 0.1 and 0.8 seconds depending on the lens setting. The ADF provides complete UV and IR light protection in both dark and clear states and is powered by solar cells with an enclosed back up Lithium battery. The welding filters operate well under extreme low lighting and very strong sunlight by simply adjusting the sensitivity of the lens.

Technical Specification

Helmet type	PA700 PAPR
Part #	11320066
Outer lens	119 x 99.3 x 1.5mm
Inner lens	94.1 x 44.8 x 1.0mm
Field of view	41 x 92mm
Light shade state	4
Dark shade state	9-13 external control
Switching speed	0.003s (0.3ms)
Delay adjustment and sensitivity	Internal
Sensors	2
Power supply	Solar cells + Lithium battery (back up)
Operating temperature	-5 to +55 °C
Used for	MMA welding, MIG (Steel, stainless, aluminum), TIG (above 20 amps)
Grinding safety	This welding helmet is suitable for grinding applications
Air flow	180 Litres/ Min
Type of filter	P R SL
Type of battery	Replaceable and rechargeable Li-ion 7.4V/5200Ah
Charging cycles	>350
Visual (LED) and audible	For low battery voltage
Alarm	For insufficient flow rate (below 170L/min)
Actual Protection Factor (APF)	20
Noise level	65dBA
Operating time	Greater than 8 hours with a new filter and fully charged battery in a clean environment NOTE: Operating time can be shortened in case of clogged filter or undercharged battery undercharged battery
Weight with filter	1020 grams
Certification	EN175, EN166, EN379, AS/NZS 1337, 1338 ANSI/ISEA Z87.1-2010; CSA 94.3-07

Filter symbols

R - this means the filter is reusable for more than one shift
S - means the filter protects against solid particles
L - means the fiber protect against liquid particles

Electrical appliance tested by Intertek Testing Services to following standards:

UL 60950-1 Issued 2007/03/27 Ed: 2
Rev: 2014/10/14 Information Technology Equipment
Safety Part1 : General Requirements
CSA C22.2#60950-1 Issued: 2007/03/27 Ed: 2 Rev: 2014/10/14 Information
Technology Equipment Safety Part1 : General Requirements. ATM for Report
160425009gzu-001

Spare parts for PA700 PAPR System

Part #	Description
11320064	PA700 PAPR System
11320065	OHE410 headtop assembly for PA700 PAPR
11320066	OHE410 PA700 PAPR Complete system
11320067	PRSL PA700 PAPR Filter
11320068	Pr Filter PA700 pck of 10 price per pck
11320069	PA700 PAPR Std Li-Ion Battery
11320070	PA700 PAPR Battery Charger
11320071	PA700 PAPR Belt
11320072	PAPR OHE410 Sweat Band pck of 2
11320073	PAPR PA700 Headgear Airduct Assy
11320074	OHE410 PA700 PAPR Face Seal

Spare parts for OHE410 Welding Helmets

Part #	Description
11303640	OHE410 ADF Retainer and 1x Thumb Screw
11303637	OHE410 Inner Protective Lens
11303641	OHE410 4-9/13 ADF Electronic Lens (with Grind Function)
11303636	OHE410 Anti-spatter Lens
11303639	OHE410 Sweatband
11303638	OHE410 Headband Assembly Complete

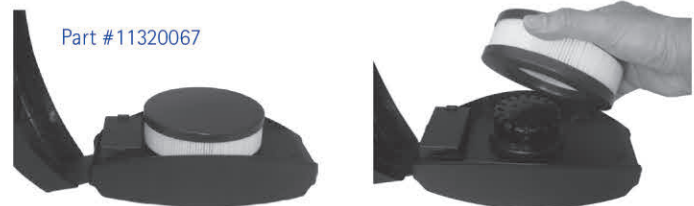
Disposal

The PAPR Welding Helmet should be disposed of as industrial waste. The helmet shell and headgear can be recycled.



Friendly Reminder

Filters must be regularly checked (see Air Flow Test) and replaced. From the hygienic point of view the maximum working time of a main filter is 180 hours and should not be exceeded.



MESSER 
Gases for Life

Messer Canada Inc.

5860 Chedworth Way
Mississauga, ON
L5R 0A2 Canada
Phone 1-888-256-7359
info@messer-ca.com
www.messer-ca.com
www.shop.messer-ca.com

Part of the Messer World 



facebook.com/messergasesamericas



linkedin.com/company/messeramericas



twitter.com/messeramericas