



## Description

This product (**PRF-102RAD**) is a kind of powered air purifying solar auto-darkening welding helmet that can proof dust and gas, integrating respiratory, skin and eye

protection, in welding, glass auto-darken, switch time < 0.1 ms, dark : 9-13 (knob inside) , which is light in weight, easy to operate, well-sealed, with fine filtering precision, huge air flow supply , filtering precision 0.3 $\mu$ m, filtering efficiency 99.97%, and the air flow can be regulated, (clockwise regulate big flow and anti-clockwise regulate small flow). Battery (chargeable Polymer Lithium Battery) can supply power 6 to 20 hours consecutive operation, if air flow regulate maximum, the lithium battery can work for 6 hours continuously, while air flow regulate minimum, 20 hours. If work over 6-20 hours consecutively, a backup battery is needed. It will buzz automatically when power is low. The capacity of the filter is great; air flow from the top down can avoid fogging.

This product is used in many kinds of welding condition that head will not be accidentally hurt and many kinds of gas protecting welding (TIG、MIG、MAG) of adverse electric welding machine as well as all kinds of arc welding. This product does not provide protection against: Autogen welding or Laser welding. ! This product is adaptive to various particles (dust, fog, smoke and the like) and many kinds of poisonous and harmful ill odors. It is the best choice for preventing pneumoconiosis and protecting eyes of welder.

Four choices of filters, they are 102WD and 102HD, 102G and 102W.

And it is unsuitable to anoxic (i.e. oxygen content less than 18%) or explosive operating conditions, or IDLH concentration (Immediately Dangerous to Life and Health).

Weight of PRF-102R respirator: 1500g.

Weight of AD air supply auto darkening helmet: 600g.