

40 CAL/CM² PRISMESHIELD® PLUS PRO-HOOD

Technical Datasheet

Honeywell Salisbury's PrismShield® Plus Pro-Hood arc flash protection hoods are intended to provide protection against the heat and blast release in an arc flash event rated to 40 cal/cm² or lower. The face shield and shroud parts are considered pieces of the full unit and both must be worn in order to provide full protection. Pro-Hoods are available in standard and premium fabrics. Units are available with dual fan system



FH40RG-PP

PART NUMBERS

- **FH40RG-PP:** PrismShield® Plus 40 cal/cm² Pro-hood
- **FH40RG-C-PP:** PrismShield® Plus 40 cal/cm² Pro-hood with Smart Cooling
- **FH40PRG-PP:** PrismShield® Plus 40 cal/cm² Premium Pro-hood
- **FH40PRG-C-PP:** PrismShield® Plus 40 cal/cm² Premium Pro-hood with Smart Cooling

STANDARDS INFORMATION

AGENCY SPECIFICATION	
NFPA 70E	Standard for electrical safety in the workplace, published by the National Fire Protection Association. Provides requirements and best practices for protecting workers from electrical hazards such as shock, arc flash, and arc blast.
ASTM F2178	Standard test method for determining the arc rating and standard specification for eye or face protective products, published by the American Society for Testing and Materials.
ASTM F1506	Standard performance specification for flame resistant and electric arc rated protective clothing worn by workers exposed to electric arcs and related thermal hazards, published by the American Society for Testing and Materials.
ANSI/ISEA Z87.1+S	Standard for occupational and educational eye and face protection, published by the American National Standards Institute.

40 cal/cm² PrismShield® Plus Pro-hood Technical Specifications

PRODUCT INFORMATION

PHYSICAL SPECIFICATIONS	
Viewing area	130 in²
Total weight (Standard)	2.8 lbs (1.27 kg) (FH40RG-PP)
	4.93 lbs (2.24 kg) (FH40RG-C-PP)*
Total weight (Premium)	2.37 lbs (1.07 kg) (FH40PRG-PP)
	4.21 lbs (1.91 kg) (FH40PRG-C-PP)*
Dimensions	22 ½" L, 12 ½" W, 13" H
Battery type*	Li-Ion rechargeable battery
Smart cooling battery pack*	14.8V, 3500mAh
Air flow rate*	>13 CFM (cubic feet per minute)
Fuse sensor*	Sense temp of >220°C (430°F) of an arc flash and disconnect the fan module, in turn stop flow of smoky air inside the hood
Carbon dioxide (CO2) sensor*	Alerts user for CO2 buildup of >2500 PPM levels
Battery power*	Minimum 8.5 hrs of continuous working
Flash light attachment slots	2
Lens technology	PrismShield® Plus
Lens color	Bronze tinted (appears clear)
Lens material	Polycarbonate
Lens speciality coating	Anti-fog, Anti-scratch
Shroud material (Standard)	10 oz/yd² (two layer) Westex Ultrasoft® fabric. Durable flame retardant treated (FRT) blend of Cotton and Nylon fibers
Shroud material (Premium)	10.8 oz/yd² fabric ensemble with Inherently flame retardant (IFR) blend of Aramid and other fibers
ATPV	40 cal/cm²

*Applicable only for hoods with Smart Cooling feature

ACCESSORIES & SPARE PARTS

ACCESSORY & SPARE PART ORDERING INFORMATION	
PART NUMBER	ITEM DESCRIPTION
4000-PP	Face shield for Pro-hood style 40 cal/cm² PrismShield® Plus
4000-C-PP*	Face shield for Pro-hood style 40 cal/cm² PrismShield® Plus with Smart Cooling
FHSHRD-40RG-C-PP*	Fabric shroud for 40 cal/cm² Pro-hood with Smart Cooling sensors
FHSHRD-40PRG-C-PP*	Fabric shroud for 40 cal/cm² Premium Pro-hood with Smart Cooling sensors
SMARTCOOLFAN*	Cooling module for PrismShield® Plus hoods
ADAPTER*	Adapter for charging Smart Cooling Module
FANBATTERY*	Replaceable battery pack
LENSCLOTH*	Cloth for lens cleaning
N10R030000	North Zone N10 front brim hard hat, orange color
FLKIT	Attachable task light kit
AS BAG	Face shield storage bag (21" L, 19" W, 14" H)
SK BAG	Large storage bag (25" L, 13" W, 13 ½" H)
SKBACKPACK	Reinforced specialty backpack (14" L, 8" W, 18" H)

For more information visit

<https://sps.honeywell.com/us/en/products/safety/electrical-safety>

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