

Why Buy Oberon Arc Flash Suits

Presented by:
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Oberon Company

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Presentation Agenda

- ☐ Oberon Background
- ☐ Safety by Design
- ☐ Arc Flash Suit Features
- ☐ Selection, Care & Use

Oberon Company

Pioneer

Invented the Arc Flash Suit Hood
over 30 years ago (1987)

Technology

Revolutionary lens technology
called “True Colour Grey” TCG
& Ultra-lightweight AR Fabrics

Resources

Sizing Kits, User Guides,
Care & Use Video,
www.arcflash.com



The One and Only

Oberon is the only manufacturer that manufactures its entire Arc Flash Suit.

- ☐ Injection Molding Shields.
- ☐ Inherently FR Fabric solutions.
- ☐ Hood Ventilation Systems.
- ☐ 100% Suit Production in the USA.



TCG Hood Shield Window

Experience & Technical Knowledge

Oberon is the only manufacturer that completes its own testing. Start to finish!

- ☐ Proprietary Fabrics.
- ☐ Finished Product Testing.
- ☐ Research & Development.
- ☐ White Papers.



Standards Contribution

Arc Flash PPE Sections of NFPA 70E were drafted in Oberon's Conference Room.

- ❑ First Ever Lab Testing (1995).
- ❑ Created Hazard Risk Categories (NFPA 70E).
- ❑ ASTM F2178 Based on Oberon.
- ❑ Voting Members.



Lead Time Advantage

Stocked products ship in 1-2 days. Manufacturing cycle is only 2-3 weeks! Oberon is capable of managing very large orders in a fraction of the time compared to its competitors.



Canadian Rep, Jim Pollard

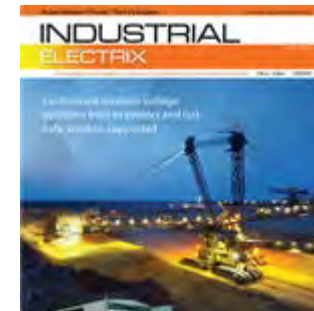
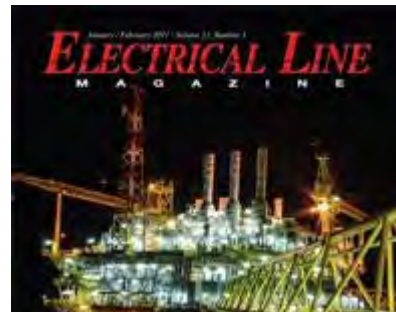
Voting Member



Social Media



Magazine Articles:



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- ☒ **Safety by Design**
- ☐ Arc Flash Suit Features
- ☐ Selection, Care & Use

Safety by Design

Oberon Arc Flash PPE products are the safest available protection for Electrical Workers.



Faceshields and Arc Flash Suit hoods are designed to prevent “leaks”.

Overlapping for complete body coverage.

Bee Keeper Style Hood

Clear “True Colour Grey” lens so workers don’t need to lift up their protection to properly see their work.

No “leaks” from thermal energy deflection.



Proven Designs Keep Workers Safer



Bee-Keeper
Style Hood
with overlap

Bib-Overalls
and Coat
with overlap
on upper
torso area



Inside of an Arc Flash Suit



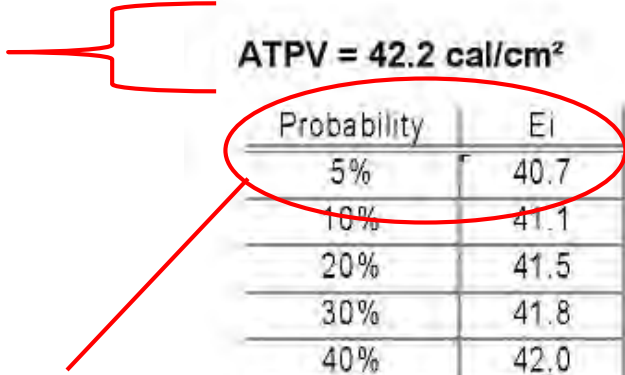
Coat & Bib-Overalls provide extra protection from unpredictable Arc exposures

Testing Determines Best Materials

Arc ratings are the 50% probability of a 2nd degree skin burn

The Oberon TCG40 Arc Flash Suit is designed to lower the probability of worker burn injuries to less than 5% for any exposure less than 40 cal/cm²

ATPV = 42.2 cal/cm²



Probability	EI
5%	40.7
10%	41.1
20%	41.5
30%	41.8
40%	42.0
50%	42.2
60%	42.4
70%	42.6
80%	42.9
90%	43.3

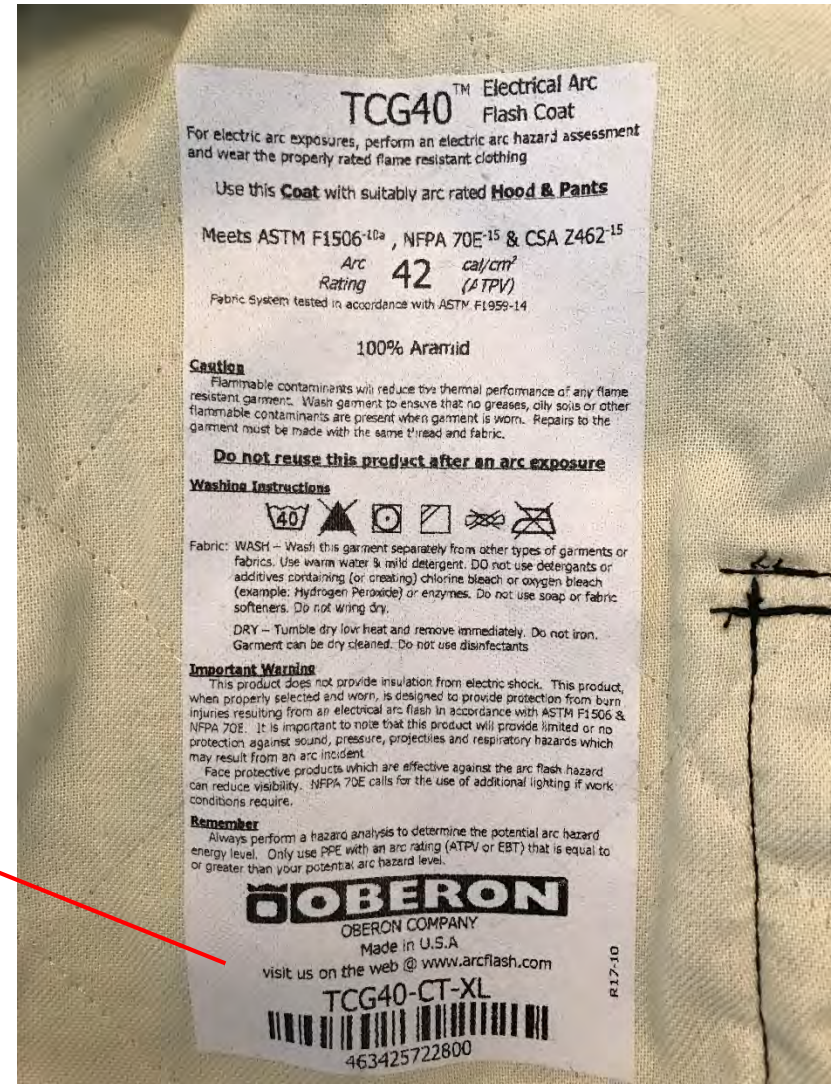
Total points analyzed = 21
Points above Stoll = 12
Points above mix zone = 11
Points below mix zone = 7
Pts within 20% = 18
Pts in mix zone = 3

Oberon Arc Flash PPE Label

Product labels are heat transfer applied and 100% compliant with ASTM F1506.



*Individual Identification
Code Tracking System*



Actual Product Testing

Oberon beats the competition by testing finished products.

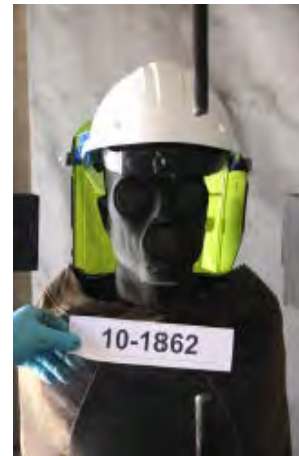
- ❑ Modified Test Set-up.
- ❑ Testing Finished Products.
- ❑ Testing Different Combinations.
- ❑ Comparing Performance.



Additional Product Testing

Testing Arc Flash Suit Components.

- ☐ CSA Type 2 Hard Hat Foam Liners.
- ☐ LED Headlamps.
- ☐ High Visibility Stripping.
- ☐ Hood Ventilation System.



Presentation Agenda

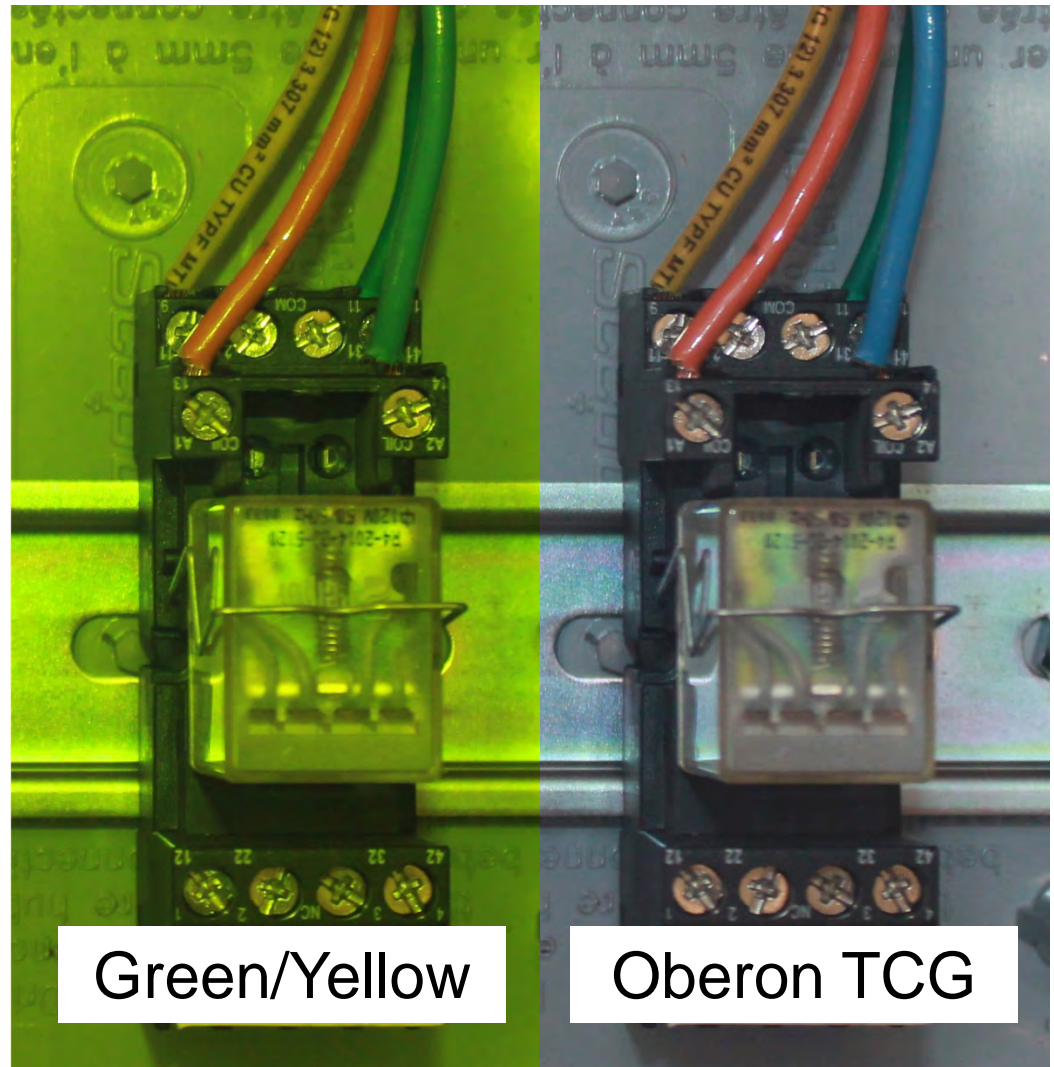
- ☐ Oberon Background
- ☐ Safety by Design
- ☐ **Arc Flash Suit Features**
- ☐ Selection, Care & Use

Clear True Colour Grey Lens

Advanced Arc Flash
Lens Technology
called “True Colour
Grey” (TCG).

Electrical Workers
need to see colours.

TCG Lens used Grey
Infrared (IR) Dye.



Green/Yellow

Oberon TCG

Ultra-Lightweight Arc Flash Suits

TCG Series Arc Flash Suits are the **lightest weight** in each protection range.

TCG Series	TCG40	TCG65	TCG100
Arc Rating (ATPV)	42 cal/cm ²	67 cal/cm ²	106 cal/cm ²
Fabric Weight	10.9 oz/yd ²	13.4 oz/yd ²	18.7 oz/yd ²

Hood Ventilation System

Provides fresh air inside of the hood to keep workers alert and comfortable.

- ☐ Eliminate Fogging.
- ☐ Lightweight Design.
- ☐ Easy Operation with “AA” Batteries.
- ☐ Zipper Installed on inside of hood.



High Visibility Stripping

TCG Series Arc Flash Suits include Day/Night Arc-rated High Visibility Stripping (Arms & Legs).

- ☐ Optional Full CSA Z96 Class 3 Pattern Available (upper torso).
- ☐ Helps identify workers.
- ☐ Recommended for low light areas and Rescue.



LED Task Light

LED headlamp mounted on the front of any TCG or LAN Series hood.

- ☐ Mounting Strap included.
- ☐ Super Bright.
- ☐ Easy Operation with “AAA” Batteries.



True Colour Grey Faceshields



- ❑ Safer than Green! See Full Colours. 100% Accurate.
- ❑ Workers make less mistakes, lowering probability of an incident.
- ❑ Available in Faceshields up to 20 cal/cm² and Arc Flash Suit Hoods up to 100 cal/cm²
- ❑ Grey IR Dye Proprietary Design by Oberon

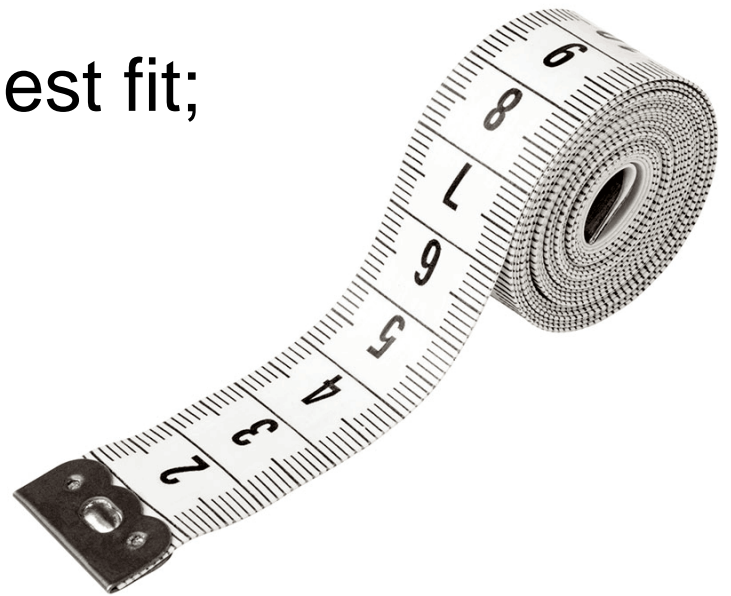
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Proper Sizing

Arc Flash PPE needs to fit comfortably over top of your every day clothing; arc-rated or natural fiber garments.

- ☐ Sizing Garments used for best fit;
- ☐ Ensure proper mobility;
- ☐ Not too loose or baggy;
- ☐ Not too tight and binding;
- ☐ Full coverage for tall workers.



Sizing Resources

Sizing Kits make worker sizing easy. Turn a Sizing Session into an Oberon Care & Use Training Session.



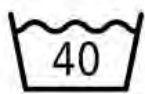
Alpha Size	S	M	L	XL	2XL	3XL
Worker Chest Measurement	36"	39"	42"	46"	50"	54"
Actual Coat Chest Size	46"	49"	52"	56"	60"	64"
Worker Waist Measurement	30"	33"	36"	40"	44"	48"
Actual Bib-Overall Waist Size	36"	39"	42"	46"	50"	54"

Standard Sizes S – 5XL
Custom Sizes Short, Tall
and Extra Tall available.

Care & Use

CSA Z462-2015 requires care and maintenance of Arc Flash PPE. The key items to remember:

1. Pre-Use Inspection;
2. Storage;
3. Cleaning.



Wash at or
below 40 C



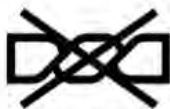
Do Not
Bleach



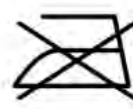
Tumble
Drying at
Low Temp.



Line Dry
in the
Shade



Do Not
Wring



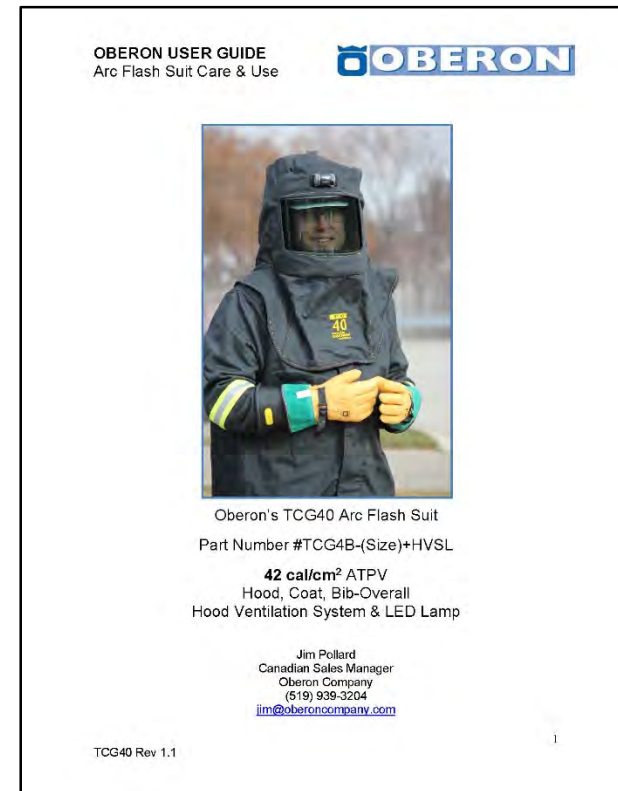
Do Not
Iron



Complimentary Training Resources

Oberon TCG Series Arc Flash Suit User's Guide.

- ☐ Specifications
- ☐ Compliance
- ☐ Instructions
- ☐ Storage & Laundering
- ☐ Pre-Use Inspections
- ☐ How to Wear



Contact Information

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