



**Health Canada Approved Protection.  
Suitable for Youth 9-14 Years of Age**

The HORIZON is one of the first N95-equivalent PPE Respirators to be made in Canada. With its superior seal and moisture repellent exterior the HORIZON provides surgical grade protection when you need it. We have applied our innovative technology and best practices in mask design and manufacturing to create the ultimate in personal protective equipment (PPE) for peace of mind in either healthcare settings or daily life.

# HORIZON

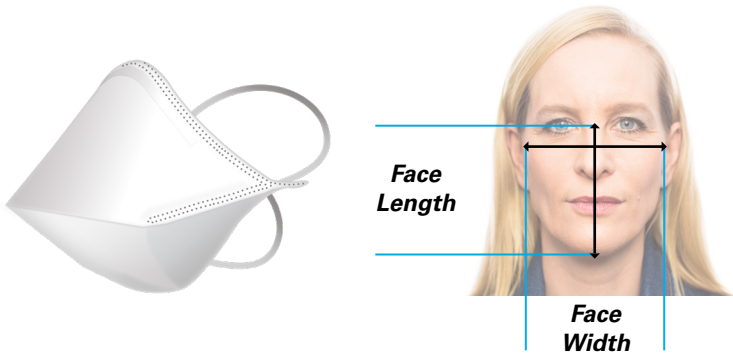
**SURGICAL RESPIRATOR WITH HORIZONTAL FOLD  
PART NO. 1000-175**

## HORIZON Respirator: Size Recommendations

128.5mm - 138.5mm	R	L	L
118.5mm - 128.5mm	R	R	L
108.5mm - 118.5mm	S	R	R
98.5mm - 108.5mm	S	S	R
	120.5mm - 132.5mm	132.5mm - 144.5mm	144.5mm - 158.5mm


Face Length

Face Width



## Product Specifications

Product Type	Respirator
Model	HORIZON
Certification	Health Canada IO No. 321423
Style	Horizontal Fold
Donning Style	Headbands
Colour	White
Size	Small / Medium / Large
Strap	Polyester / Polyamide / Elastane
Fabric Construction	Polypropylene non-woven
Nose Bridge	Aluminum
Packaging	Individually Wrapped
Per Box	25

 Eclipse recommended sizes for Youth 9 to 14 years of age. Facial Size Data Source: DOT/FAA/AM-66/9

**NOTE:** Recommended sizes are not intended to replace proper fit-testing protocols.

## Level 3 Protection

Healthcare Applications, Infection Control Practices, Protection from Airborne Pathogens

- Dye free
- Latex free
- Fluid resistant
- Double layer filter
- Comfortable headbands
- Provides protection from small particle aerosols
- Improved face seal prevents leakage around mask

## Performance Results to Industry Standards

Test	Health Canada	NIOSH	Testing Body	Results
Particulate filter efficiency	NIOSH 42 CFR 84 (TEB-APR-STP-0059) ≥95%	NIOSH 42 CFR 84 (TEB-APR-STP-0059) ≥95%	Kinectrics Inc. + NRC	Avg. Filtration Efficiency - 99%
Breathing resistance	42 CFR 84.180 Inhalation < 343.2 Pa Exhalation < 245.2 Pa	42 CFR 84.180 Inhalation < 35 mmH2O Exhalation < 25 mmH2O	Kinectrics Inc. + NRC	Pass Inhalation Resistance - 15.6mm H2O Exhalation Resistance - 13.3mm H2O
Mechanical strength of headstrap	Ability to withstand a 10 N (0.98) kg weight force for each headstrap tested	Not Applicable	PHAC	Pass
Fit (each size)	CAN/CSA Z94.4 Testing done in accordance with NIOSH face panels identified in RCT-APR-STP0005-05a-06, revision 3.0	Not Applicable	Eclipse Innovation Inc.	100% of the subjects passed the fit test with at least one size of mask.
Flammability	16 CFR Part 1610	16 CFR Part 1610	Kinectrics Inc. + Nelson Labs	Pass - Class 1: Burn time ≥3.5s
Fluid Resistance	ASTM F1862 - Standard test method for resistance of surgical mask to penetration by synthetic blood	ASTM F1862 - Standard test method for resistance of surgical mask to penetration by synthetic blood	Kinectrics Inc. + Nelson Labs	Pass - 160 mmHg - ASTM Level 3
Biocompatibility	ISO-10993-1 standard, "Biological Evaluation of Medical Devices Part 1: Evaluation and Testing within a Risk Management Process	ISO-10993-1 standard, "Biological Evaluation of Medical Devices Part 1: Evaluation and Testing within a Risk Management Process	Charles River Laboratories Hungary Kft. + NucroTechnics Inc.	Passed the Cytotoxicity, Skin Sensitization and Dermal Irritation Test

The HORIZON is one of the first surgical grade Respirators proudly made in Cambridge, Ontario.

Eclipse Innovations is an Eclipse Automation company. The Innovations group was developed at the start of the COVID-19 crisis, as a direct response to find efficient, reliable solutions given our expertise in the medical device industry.

The Innovations team scoured the globe for best practices in mask automation and manufacturing and then improved upon everything we learned in order to create the ultimate mask products for Canadians, by Canadians.





## Eclipse Innovations presents HORIZON Small Respirators for Canada's Youth

*By Leanne DaRosa*

With school back in session, it is more important than ever to ensure our youth are as protected as they can be. While cloth and surgical masks provide some protection, they are no match for the highly contagious Delta variant of the COVID-19 virus. Protective measures are crucial in our schools, as the Delta variant is most deeply affecting the unvaccinated and many school-aged youth are currently ineligible for inoculation leaving them more susceptible to infection.

### *Meet the HORIZON Surgical Respirator with Horizontal Fold*

With few options in the respirator market for younger people, Eclipse Innovations offers the HORIZON horizontal fold respirator in size small, ideal for most youth ages 9-14 years old. With level 3 protection, it provides 95% particulate filter efficiency testing to Health Canada standards.

The HORIZON small provides protection from small particle aerosols with an enhanced face seal, preventing leakage around the respirator.

### *Features of the HORIZON Small Respirator*

The HORIZON is one of the first N95-equivalent respirators to be made in Canada. With its superior seal and moisture repellent exterior, the HORIZON provides surgical-grade protection to our youth in a variety of sizes, which makes it easy to fit for the entire family. Eclipse Innovations have applied leading-edge technology and best practices in mask design and manufacturing to create the ultimate in personal protective equipment.

This Health Canada authorized respirator is made with soft and breathable lightweight material, comfortable head straps and an adjustable nose piece. The HORIZON small provides a tight, comfortable seal for optimal protection in any setting.

