



**FFM**  
1600

## Full Face Mask

Introducing the FFM1600 Full Face Mask. Protective, comfortable and lightweight, our Full Face Mask is available in 3 sizes, with a full range of filters, spares and accessories.



### Engineered for Performance

Performance is at the heart of Corpro. Our FFM1600 combines a low burden airflow system, swept-back filter positioning and a separated oronasal cavity into a high performance respirator with an optimised centre of gravity, ultra-low breathing resistance and an unobstructed field of view.

**Better design, better performance.**



### Designed for Comfort

We've designed the FFM1600 for comfort. Our Full Face Mask combines a five-point head harness with elastomeric sealing components, using our global fit profiling data to create a respirator with unrivalled fit and comfort. Combined with our ultra-low breathing resistance, users stay comfortable for longer.

**Better comfort, better fit, better protection.**



### Ultra-low Breathing Resistance

The breathing resistance of the equipment can affect performance and comfort. We've designed our Full Face Mask with a low burden airflow system, twin inhale valves and low pressure drop filters, creating a system with ultra-low breathing resistance.

**Breathe easily, stay protected for longer.**



**Small**

580 grams

**Medium**

584 grams

**Large**

589 grams

CE 0086  
EN 136:1998

AS/NZS 1716:2012

corpro



		The FFM1600 Full Face Mask				
EN Requirement		Small	Medium	Large		
Weight	Actual	580 g	584 g	589 g		
Leak Tightness	EN	A negative pressure of 10 mbar is applied to the mask, the mask must not leak more than 1 mBar in 1 min.				
Temperature Conditioning	EN	72 hrs in a dry atmosphere at 70 °C followed by 72 hrs at 70 °C at 95-100 % relative humidity followed by 24 hrs at -30 °C				
Flammability	EN CL1	The Full Face Mask is passed through a single burner, set up with a 40 mm, 800 °C flame, at a constant speed of 60 mm/s at a distance of 20 mm between the burner and lowest part of the facepiece. The facepiece cannot continue to burn 5 s after removal.				
	EN CL2	The Full Face Mask is placed directly above 6 burners each set at a distance of 250 mm from the mask surface, the flames are set at 950 °C, the mask is held in the flame static for 5 s. Upon removal from the flame the facepiece cannot continue to burn 5 s after removal.				
Head Harness Pull Test	EN CL1	Withstand a pull of 100 N for 10 s				
	EN CL2	Withstand a pull of 150 N for 10 s				
Inhale Connectors Pull Test	EN CL1	Withstand a pull of 250 N				
	EN CL2	Withstand a pull of 500 N				
Exhale Connectors Pull Test	EN CL1	Withstand a pull of 50 N for 10 s tested 10 consecutive times				
	EN CL2	Withstand a pull of 150 N for 10 s tested 10 consecutive times				
Field of Vision	Actual	Effective 91.3 % , Overlapped 92.4 %				
	EN	Effective > 70 % , Overlapped > 80 %				
Breathing Resistance		Inhalation Resistance			Exhalation Resistance	
		30 l/min	95 l/min	160 l/min	160 l/min	
	Actual	0.12 mbar	0.43 mbar	0.77 mbar	1.85 mbar	
	EN	< 0.50 mbar	< 1.3 mbar	< 2.00 mbar	< 3.00 mbar	
		Following 300 l/min exhalation flow				
		Inhalation Resistance			Exhalation Resistance	
		30 l/min	95 l/min	160 l/min	160 l/min	
	Actual	0.11 mbar	0.40 mbar	0.80 mbar	1.74 mbar	
	EN	< 0.50 mbar	< 1.3 mbar	< 2.00 mbar	< 3.00 mbar	
		Following 80 mbar negative pressure				
		Inhalation Resistance			Exhalation Resistance	
		30 l/min	95 l/min	160 l/min	160 l/min	
Actual	0.10 mbar	0.33 mbar	0.54 mbar	1.55 mbar		
EN	< 0.50 mbar	< 1.3 mbar	< 2.00 mbar	< 3.00 mbar		
CO <sub>2</sub> Content of Inhaled Air	Actual	0.70 %		0.75 %	0.70 %	
	EN	< 1.00 %				
Inward Leakage - Based on average of the 10 subjects per exercise.		Exercise				Notes
		Walk	Head side/side	Head up/down	Talk	Walk
	Actual	0.006 % <sup>1</sup>	0.006 % <sup>2</sup>	0.006 % <sup>3</sup>	0.007 % <sup>2</sup>	0.004 % <sup>2</sup>
	EN	< 0.050 %				<sup>1</sup> 4 Subjects achieved results < 0.001 % <sup>2</sup> 5 Subjects achieved results < 0.001 % <sup>3</sup> 6 Subjects achieved results < 0.001 %

Product Code		
Masks		
Full Face Mask - FFM1600 CL1	Small	1600-001-P00001-CL1
	Medium	1600-001-P00002-CL1
	Large	1600-001-P00003-CL1
Full Face Mask - FFM1600 CL2	Small	1600-001-P00001-CL2
	Medium	1600-001-P00002-CL2
	Large	1600-001-P00003-CL2
Full Face Mask - FFM1600 CL2 Plus	Small	1600-001-P00241-CL2
	Medium	1600-001-P00242-CL2
	Large	1600-001-P00243-CL2

Spares	
FFM1600 and HM1400 Oronasal Endoskeleton Pack - Endoskeleton and Bayonets	1400-001-X00001
FFM1600 Major Seal Kit - Small - Face Seal and Oronasal Seal	1600-001-X00001
FFM1600 Major Seal Kit - Medium - Face Seal and Oronasal Seal	1600-001-X00002
FFM1600 Major Seal Kit - Large - Face Seal and Oronasal Seal	1600-001-X00003
FFM1600 Visor Plus Pack - Scratch Coated Visor and Bayonets	1600-001-X00004
FFM1600 Standard Visor Pack - Standard Scratch Resistant Visor and Bayonets	1600-001-X00005
FFM1600 Exhale Cover Pack	1600-001-X00006
FFM1600 Head Harness Pack - Harness, Tabs and Lugs	1600-001-X00007
FFM1600 Bezel Pack - Bezel, Screw and Nut	1600-001-X00008
FFM1600 Minor Seals Pack - Exhale Valve, Inhale Valves, Inlet Gaskets and Endoskeleton Gasket	1600-001-X00009

Accessories and Maintenance	
Tear Off Visors for the FFM1600	1600-001-X00010
Spectacle Kit for the FFM1600	1600-001-X00011
Portacount Basic Test Kit	1600-001-X00012
Portacount Advanced Test Kit - Basic Test Kit, a pair of P3 Filters and a Sizing Caliper	1600-001-X00016
OHD Quantifit Din40 Adaptor Test Kit	1600-001-X00017
Service Kit - including Inlet Blank, Pressure Pickup Blank, Bayonet Puller	1600-001-X00018
Sizing Caliper	1600-001-X00019