

3M™ Health Care Respirators

Advanced protection for every health care setting

What is the difference between a surgical mask and a respirator?

Surgical Masks protect the patient and the surgical area from contamination. Masks prevent particles (droplets) being expelled into the environment by the wearer and protect patients in surgery from these particles being transferred to the operative site.

Respirators reduce the potential exposure of the wearer to airborne hazardous contaminants. Respirators should be worn where protection against hazards such as laser plume, blood aerosol and diathermy smoke is required.

Respirators 1800 Series

All 3M PPE products are CE marked to the European Community Directive 89/686 for personal protective equipment. 3M respirators are tested and approved to the European Standard EN149:2001.

The unvalved respirators are also certified under the Medical Device Directive 93/42/EEC as Class 1 devices and are suitable for use as a surgical mask.

The range of 3M valved respirators has a patented exhalation valve fitted to the front of the respirator, which minimises heat build up and makes breathing easier.

In addition the new 3M 1883 respirator is a unique FFP3 shrouded valve respirator with two-way protection, and is suitable for use as a surgical mask. The shrouded valve provides effective removal of heat and moisture build up creating a cooler and more comfortable fit.



The innovative 3M shrouded valve respirator

Hazards Selection Guide

Department	Hazard	3M 1861, 3M 1862, 3M 1863 and 3M 1883	3M 1872V and 3M 1873V	Eye Protection
Path Labs	Particulate - Micro-organisms inhalation	yes (1863 or 1883)		yes
Operating Theatres	Particulate - Diathermy fume and laser plume inhalation	yes		yes
Infection Control	Particulate - TB, Avian Flu, Pandemic Flu inhalation	yes (1863 or 1883)	yes (1873V) if risk to wearer exhaled contamination is minimal	yes
Waste Disposal	Particulate - Biological waste inhalation	yes (1863 or 1883)	yes (1873V) if risk to wearer exhaled contamination is minimal	yes
Post Mortem/Infected Patient autopsy	Particulate - Micro-organisms inhalation	yes (1863 or 1883)	yes (1873V)	yes
Outpatients	Particulate - Plaster of Paris dust inhalation	yes	yes	yes

Respirators Ordering Information

Cat. No.	Product	NPC Code	Product classification in accordance with EN 14683	Items per Box	Boxes per Case
1861	FFP1 Respirators	BTP009	Type IIR	20	6
1862	FFP2 Respirators	BTP003	Type IIR	20	6
1863	FFP3 Respirators	BTP006	Type IIR	20	6
1872V	FFP2 Respirators with valve	BTP010		10	6
1873V	FFP3 Respirators with valve	BTP011		10	6
1883SV	FFP3 Respirators with shrouded valve	BTP050	Type IIR	8	6

For advice on respirators in the health care environment, please call the 3M Occupational Health and Safety helpline:
UK: 0870 6080060 Ireland: 1 800 320 550

3M™ Fit Test Kits

Fit testing involves checking that a respirator provides an adequate seal to the wearer's face.

This procedure is a requirement under the Control of Substances Hazardous to Health Regulations 2002 (COSHH) and the supporting Approved Codes of Practice.

3M qualitative fit tests provide a pass or fail result based upon the wearer tasting a test agent. They provide a subjective measure of the quality of the seal of the face piece to the wearers face.



Test Kits					
3M Product Code	3M Product Description	Product Type	NPC Code	Items per Box	Boxes per Case
FT10	Fit Test Kit (sweet)	Kit	BTP041	1	1
FT30	Fit Test Kit (bitter)	Kit	BTP042	1	1
FT11	Sensitivity Solution (sweet)	Spare	BTP043	1	6
FT12	Fit Test Solution (sweet)	Spare	BTP044	1	6
FT13	Fit Test Kit Spare Nebulisers	Spare	BTP045	1	3
FT14	Fit Test Kit Spare Hoods	Spare	BTP046	2	5
FT15	Fit Test Kit Spare Collar	Spare	BTP047	1	1
FT31	Sensitivity Solution (bitter)	Spare	BTP048	1	6
FT32	Fit Test Solution (sweet)	Spare	BTP049	1	6

3M™ Protective Eyewear

End User Comfort

Side arms are shaped anatomically to adapt comfortably to facial contours. Adjustable side arms for improved fit.

Premium Protection:

The lens has an anti-fog and anti-reflective coating for better visual clarity. The panoramic lens provides a broad field of vision.

Important: 3M™ Protective Eyewear model 1880 WILL NOT PROTECT against nuclear radiation, X-rays, laser beams and low temperature infra-red (IR) radiation emitted by low temperature sources.



Protective Eyewear

Cat. No.	Product	Items per Box	Boxes per Case
1880	Protective Eyewear	10	1

For more information on 3M Masks, Respirators and Protective Eyewear please contact customer services on the numbers indicated below.



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3M™ Surgical Masks, Health Care Respirators and Protective Eyewear

Proven Performance, Breathable Comfort



- All 3M surgical masks meet EN14683:2005 Type II or Type IIR classification
- A comprehensive range of masks and respirators including ear loop, tie on, face shield and splash resistant.
- All 3M Health Care Respirators are tested and approved to EN149:2001
- The efficient filtering properties and good facial fit of 3M masks give your patients optimal protection, and the wearer maximum comfort
- 3M Health Care Eyewear is tested and approved to EN166F



3M Health Care



3M™ Surgical Masks

When comfort and protection are paramount

With the dynamic and rapidly changing nature of health care today, concern for the protection of both patient and healthcare worker is paramount. 3M Health Care understands your need for high quality products that help reduce exposure of the patient and health care professional to potential infectious airborne particulate hazards.

- The highly effective filter in all 3M surgical masks provides optimum protection to the patient during surgery, including the immediate surgical site.
- The good facial fit, low breathing resistance and hypoallergenic properties of all 3M Health Care masks provide optimal comfort for the healthcare worker.
- The comprehensive range includes ear loop, tie on, face shield and splash resistant surgical masks.



3M 1810G
EN14683:2005 Type II Surgical Mask

- Traditional flat pleated, tie-on design
- Lightweight & gentle to the skin



3M 1816
EN14683:2005 Type II Surgical Mask

- Standard tie-on design
- Economical



3M 1826
EN14683:2005 Type II Surgical Mask

- Flat pleated design with latex free ear loops
- Economical



3M 1810F
EN14683:2005 Type II Surgical Mask

- Flat pleated, tie-on design
- Lightweight & gentle to the skin



3M 1838
EN14683:2005 Type II Surgical Mask

- 3M™ Filtron™ High Performance Surgical Mask
- Duckbill shape creates increased breathing comfort
- Reduced fogging of eyewear



3M 1819
EN14683:2005 Type IIR Surgical Mask

- Flat pleated, tie-on design
- Splash resistant

The European Standard for Surgical Masks - Requirements and test methods EN14683:2005 defines strict performance requirements for surgical masks to ensure a consistent level of quality based on the following properties:

- Bacterial filter efficiency (BFE) (%)
- Differential Pressure (breathability)
- Splash resistance.

Surgical Masks are then categorised as Type I, Type IR, Type II or Type IIR, depending on the level of performance.



3M 1835
EN14683:2005 Type IIR Surgical Mask

- Flat pleated, tie-on design
- Splash resistant



3M 1835FS
EN14683:2005 Type IIR Surgical Mask

- Flat pleated tie-on design with anti-fog, anti-reflective face shield
- Splash resistant



3M 1818
EN14683:2005 Type II Surgical Mask

- Flat pleated, tie-on design
- Exceptional wear comfort



3M 1818FS
EN14683:2005 Type II Surgical Mask

- Flat pleated tie-on design with anti-fog, anti-reflective face shield

The 3M range of surgical masks meet the requirements of EN14683:2005 as Type II or Type IIR.

3M™ Surgical Masks, Specification and Ordering Information

Product	Catalogue No.	NPC Code	Bacterial Filtration Efficiency (BFE¹), (%)	Respiratory Resistance - Differential Pressure (Pa)	Product Classification in accordance with EN 14683:2005	Items per Box	Boxes per Case
	1810F		≥98%	<29.4	Type II	100	6
	1810G		≥98%	<29.4	Type II	100	6
	1816	BWM032	≥98%	>24.5	Type II	50	6
	1818	BWM016	≥98%	<20.6	Type II	50	12
	1818FS		≥98%	<20.6	Type II	50	4
	1819		≥98%	=17.6	Type IIR	80	6
	1826	BWM025	≥98%	<24.5	Type II	50	10
	1835		≥98%	<22.6	Type IIR	50	6
	1835FS	BWM021	≥98%	<22.6	Type IIR	50	6
	1838	BWM026	≥98%	=19.6	Type II	50	12