



DO THE NEW
MASK STANDARDS
LEAVE YOU
EXPOSED?

PROTECTING YOU AND YOUR STAFF

THE FACTS:

Studies show **fluid strikes the face** area of OR staff on average **45–51%** of the time¹

45% of masks used in Australia are **not fluid resistant**²

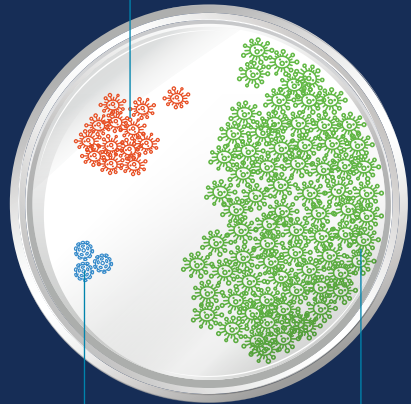
Surgeons are particularly **at risk**, with **90%** not aware that they've been **splashed**¹



As little as

1 millilitre of blood can contain **virus counts** ranging from:³

HEPATITIS C
1 Million



HIV
10–1,000

HEPATITIS B
1 Million–10 Trillion



1 millilitre of blood = 1/5 of a teaspoon

AS 4381:2015

NEW FACE MASK STANDARD

AS 4381:2015 is the new standard for
Single-Use Face Masks.

NEW STANDARD AS 4381:2015 (RED INDICATES CHANGE)

AS 4381: 2015 SINGLE-USE FACE MASKS

CHARACTERISTICS	LEVEL 1 1	LEVEL 2 2	LEVEL 3 3	TEST METHOD
	<p>Level 1 barrier medical face mask materials are evaluated for resistance to penetration by synthetic blood, bacterial filtration efficiency and differential pressure, as specified below.</p> <p>APPLICATIONS: For general purpose medical procedures, where the wearer is not at risk of blood or bodily fluid splash or to protect staff and/or the patient from droplet exposure to microorganisms (e.g. patient with upper respiratory tract infection visits GP)</p>	<p>Level 2 barrier medical face mask materials are evaluated for resistance to penetration by synthetic blood, bacterial filtration efficiency and differential pressure, as specified below.</p> <p>APPLICATIONS: For use in emergency departments, dentistry, changing dressings on small or healing wounds where minimal blood droplet exposure may possibly occur (e.g. endoscopy procedures)</p>	<p>Level 3 barrier medical face mask materials are evaluated for resistance to penetration by synthetic blood, bacterial filtration efficiency and differential pressure, as specified below.</p> <p>APPLICATIONS: For all surgical procedures, major trauma first aid or in any area where the health care worker is at risk of blood or bodily fluid splash (e.g. orthopaedic, cardiovascular procedures)</p>	
Bacterial Filtration Efficiency (BFE) %	≥ 95%	≥ 98%	≥ 98%	ASTM F2101-14 or EN 14683:2014
Particulate Filtration Efficiency (PFE) % (0.1 µm)	Not Required	Not Required	Not Required	N/A
Differential Pressure (Delta P) mm H ₂ O/cm ²	< 4.0	< 5.0	< 5.0	EN 14683:2014
Resistance to penetration by synthetic blood (fluid resistance) min pressure in mm Hg for pass result	80mm Hg	120mm Hg	160mm Hg	ASTM F1862 / F1862M-13 or ISO 22609

KEY CHANGES:

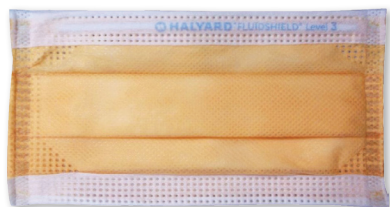
- Masks are now rated into three levels of protection: Level 1, Level 2 and Level 3
- Masks are required to meet minimum fluid resistance: 80, 120 and 160mm Hg
- The standard suggests mask protection levels for procedures and departments (refer Applications in the Standard above)
- PFE is no longer required to meet the standard. This is now under the separate Respirator Standard (AS/NZS1715)
- All testing required to meet the standard has been aligned with equivalent test methods used in American Standards (ASTM F2100-11) and European Norms (EN14683)

HALYARD: YOUR PARTNER IN

YOU, YOUR STAFF AND YOUR PATIENTS NEED THE RIGHT FACIAL PROTECTION

Halyard face masks give you the confidence that you and your patients are protected.

- ✓ All HALYARD* FLUIDSHIELD* Masks meet the new Australian Standard AS 4381:2015.
- ✓ FLUIDSHIELD* Masks are available in Level 1, Level 2 and Level 3.
- ✓ The level of protection is clearly labelled on the mask nose piece and on the box, so you and your staff can easily identify the right mask for each task.



LEVEL **1**
80mm Hg

LEVEL **2**
120mm Hg

LEVEL **3**
160mm Hg

COMPLIANCE

**SUPERIOR PROTECTION
NEVER FELT SO GOOD**

Halyard is the leader in facial protection, offering a full range of AS 4381 rated fluid resistant masks.



Our masks are designed to provide superior protection and comfort.

FLUIDSHIELD*

Orange outer layer

Breathable Inner Layer

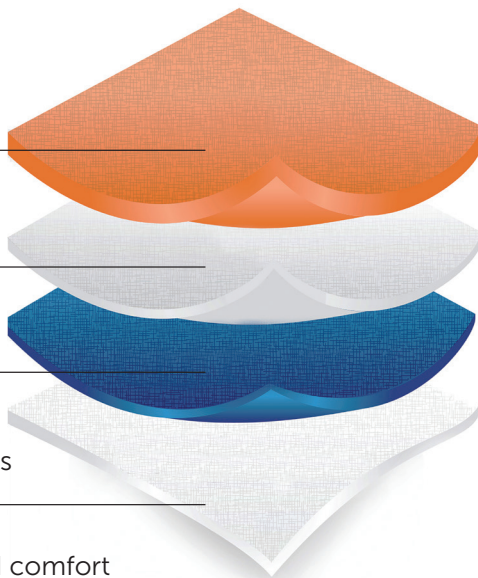
For protection

POWERGUARD* Filter

This patented technology is designed to capture and trap microbes

SO SOFT* Inner Lining

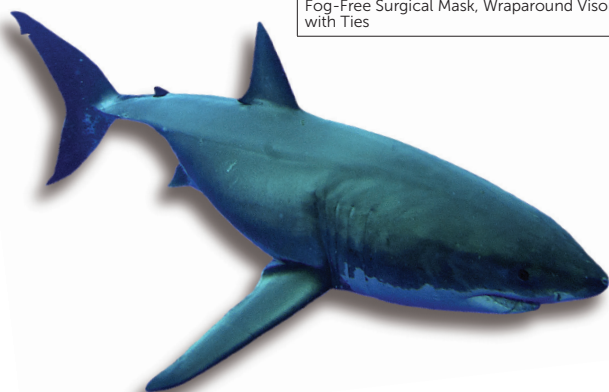
Soft and silky lining for protection and comfort



DO YOU COMPLY WITH THE NEW MASK STANDARD?

For more information about the new mask standard, or to speak to a Halyard representative about an audit or mask samples, contact: **Customer Service**
Australia: 1800 101 021
New Zealand: 0800 482 211

LEVEL 1	LEVEL 2	LEVEL 3
CODE: 25868 Procedure Mask, SO SOFT*, with Earloops, Lavender	CODE: 28810 Procedure Mask, SO SOFT*, with Earloops, Blue	CODE: 28797 Fog-Free Procedure Mask, SO SOFT*, with Earloops
CODE: 25869 Procedure Mask, with Earloops, Blue	CODE: 28821 Fog-Free Procedure Mask, SO SOFT*, Wraparound Visor, Blue	CODE: 28800 Fog-Free Procedure Mask, SO SOFT*, Wraparound Visor, with Earloops
CODE: 28802 Surgical Mask, SO SOFT*, Blue	CODE: 39123 Surgical Mask, SO SOFT*, Expanded Chamber, with Ties	CODE: 28804 Fog-Free Procedure Mask, SO SOFT*, Wraparound Visor
CODE: 39125 Anti-fog Surgical Mask, SO SOFT*, with Smart Adhesive, Green	CODE: 62113 Fog-Free Surgical Mask, with Ties	CODE: 47107 Fog-Free Procedure Mask, SO SOFT*, with Earloops
	CODE: 62114 Fog-Free Surgical Mask, Wraparound Visor, with Ties	CODE: 47147 Fog-Free Procedure Mask, SO SOFT*, Wraparound Visor, with Earloops
		CODE: 48207 Fog-Free Surgical Mask, SO SOFT*, with Ties
		CODE: 48208 Surgical Mask, SO SOFT*, with Ties
		CODE: 48247 Fog-Free Surgical Mask, SO SOFT*, Wraparound Visor, with Ties
		CODE: 48248 Surgical Mask, SO SOFT*, Wraparound Visor, with Ties
		CODE: 48297 Care Bear Surgical Mask, SO SOFT*, with Ties



1. CG Davies et al, Ann R Coll Surg Engl 2007 89(8): 770-772; S Endo et al, Jour Hospital Infection 2007 (67) 1: 56-61; DC Berridge et al, Br J Surg 1993 80 (11): 1379-80.
2. Scott N & Jones H, ACA Research, Understanding the implications of changing face mask standards 2015.
3. Morgan, David R. Mission the Point: A Review of Needlestick Injury and Occupational Risks From BloodBorne Viruses. Journal of American Biological Safety Association. 2001

www.halyardhealth.com.au



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