



HALYARD, YOUR PARTNER IN COMPLIANCE TO THE MASK STANDARD

AS 4381:2015 IS THE STANDARD FOR SINGLE-USE FACE MASKS

Studies show that fluid strikes the face area of operating room staff an average 45–51% of the time.¹ Surgeons are particularly at risk, with 90% not aware they've been splashed.²

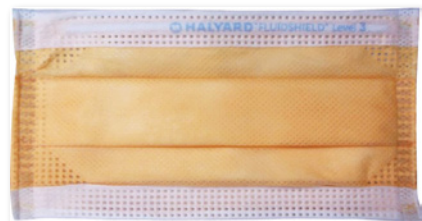
This puts you, your staff and your patients at considerable risk.

MASK STANDARD AS 4381:2015 (RED INDICATES CHANGE)				
AS 4381: 2015 SINGLE-USE FACE MASKS				
CHARACTERISTICS	LEVEL 1	LEVEL 2	LEVEL 3	TEST METHOD
	Level 1 barrier medical face mask materials are evaluated for resistance to penetration by synthetic blood at the minimum velocity specified in Table 2, bacterial filtration efficiency and differential pressure. 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)	Level 2 barrier medical face mask materials are evaluated for resistance to penetration by synthetic blood at the middle velocity specified in Table 2, bacterial filtration efficiency and differential pressure. 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)	Level 3 barrier medical face mask materials are evaluated for resistance to penetration by synthetic blood at the maximum velocity specified in Table 2, bacterial filtration efficiency and differential pressure. 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)	
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 22569

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

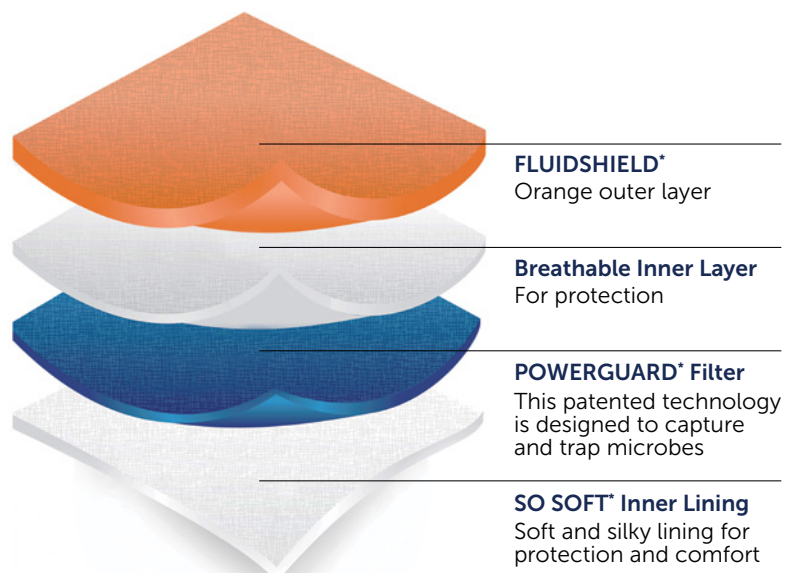
Halyard face masks give you the confidence that you and your patients are protected.

- ✓ 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.



SUPERIOR PROTECTION NEVER FELT SO GOOD

FLUIDSHIELD* masks not only provide superior cover, with four layers of barrier protection; they also feature an inner SO SOFT* lining to deliver the critical balance between protection and clinician comfort.



1. & 2. 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.

FACIAL PROTECTION

For the highest levels of protection, make sure you choose HALYARD* Face Masks and Eyewear.



FLUIDSHIELD* FACE MASKS

- Provides fluid resistance at 160mm Hg
- Level 3 printed on mask nose piece and box
- Four layers of fluid resistance and bacterial challenge
- Superior comfort without compromising your protection with SO SOFT* inner lining
- Setting a new benchmark with POWERGUARD* protection



47107

Code	Description	Packaging
47107	FLUIDSHIELD* Level 3 Fog-Free Procedure Mask, Pleat-Style with SO SOFT* Ear Loops, Foam Band, Orange	Eaches/Box = 40 Boxes/Case = 10 Eaches/Case = 400



47147

47147	FLUIDSHIELD* Level 3 Fog-Free Procedure Mask with Wraparound SPLASHGUARD* Visor, Pleat-Style with SO SOFT* Ear Loops, Foam Band, Orange	Eaches/Box = 25 Boxes/Case = 4 Eaches/Case = 100
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48207

48207	FLUIDSHIELD* Level 3 Fog-Free Surgical Mask, Pleat-Style with Ties, Orange	Eaches/Box = 50 Boxes/Case = 6 Eaches/Case = 300
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48247

48247	FLUIDSHIELD* Level 3 Fog-Free Surgical Mask with Wraparound SPLASHGUARD* Visor, Pleat-Style with Ties, Orange	Eaches/Box = 25 Boxes/Case = 4 Eaches/Case = 100
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48297

48297	FLUIDSHIELD* Level 3 Teddy Bear Surgical Mask, Pleat-Style with Ties, Pink and Blue Teddy Bear Print	Eaches/Box = 50 Boxes/Case = 6 Eaches/Case = 300
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NOTE: Please see package inserts for directions for use for each of these products. Always read the label and follow the directions for use.

FACIAL PROTECTION



FLUIDSHIELD* FACE MASKS

- Provides fluid resistance at 120mm Hg
- Level 2 printed on mask nose piece and box
- Four layers of fluid resistance and bacterial challenge
- Superior comfort without compromising your protection with SO SOFT* inner lining
- Setting a new benchmark with POWERGUARD* protection



62114

Code	Description	Packaging
62114	FLUIDSHIELD* Level 2 Fog-Free Surgical Mask with Wraparound SPLASHGUARD* Visor, Pleat-Style with Ties, Blue with Orange Diamond Print	Eaches/Box = 25 Boxes/Case = 4 Eaches/Case = 100



FLUIDSHIELD* FACE MASKS

- Provides fluid resistance at 80mm Hg
- Level 1 printed on mask nose piece and box
- Four layers of fluid resistance and bacterial challenge
- Superior comfort without compromising your protection with SO SOFT* inner lining
- Setting a new benchmark with POWERGUARD* protection



25868

Code	Description	Packaging
25868	FLUIDSHIELD* Level 1 Procedure Mask, Pleat-Style with SO SOFT* Ear Loops, Lavender	Eaches/Box = 50 Boxes/Case = 10 Eaches/Case = 500

NOTE: Please see package inserts for directions for use for each of these products. Always read the label and follow the directions for use.

FACIAL PROTECTION

EYEWEAR

HALYARD* FACE SHIELD

- Designed for procedures and environments where risk of exposure to blood and/or bodily fluids through splashing is possible
- Equipped with a foam band and headband
- Can be worn with or without glasses or goggles
- Resistant to fogging



Code	Description	Packaging
41204	HALYARD* FACE SHIELD Full-Length Visor Only, (No Mask), Clear	Eaches/Case = 40
41205	HALYARD* FACE SHIELD Three-Quarter Length Visor Only (No Mask), Clear	Eaches/Case = 40

SAFEVIEW* GLASSES

- For use in situations which may involve splashing or spraying
- Designed to be lightweight for added comfort in use
- Shipped with colorful frames to appeal to a variety of preferences
- Single-use lenses may be easily replaced into reusable frames
- Designed to be easily worn over most prescription glasses
- Not made with Natural Rubber Latex



Code	Description	Packaging
SV50A	SAFEVIEW* Assembled Glasses	5 Pkg. of 10 Each Case = 50 Assembled Glasses
SV100F	SAFEVIEW* Frames / Assorted Colours	10 Pkg. of 10 Each Case = 100 Frames
SV250L	SAFEVIEW* Replacement Lenses	10 Pkg. of 25 Each Case = 250 Lenses

NOTE: Please see package inserts for directions for use for each of these products.
Always read the label and follow the directions for use.

FACIAL PROTECTION

TEST METHODS FOR FACE MASKS

BACTERIAL FILTRATION EFFICIENCY (BFE) AT 3µm: ASTM F2101

Determines the bacterial filtration efficiency (BFE) of various filtration materials. This test employs a ratio of the bacterial challenge counts to sample effluent counts to determine the percent bacterial filtration efficiency (%BFE). The test procedure allows a reproducible bacterial challenge to be delivered to test materials, and provides a standard procedure for comparison of filtration materials.

The higher the BFE, the better the filtration efficiency, the better the protection.

DIFFERENTIAL PRESSURE OR BREATHABILITY (DELTA P): 4.4.1.2 of MIL-M-36954C

Determines the air exchange differential of porous materials measured in mm H₂O/cm². This technique employs a water manometer differential upstream and downstream of the test material at a constant flow rate.

**The lower the delta P, the more breathable the material is.
However, this can also mean lower levels of protection.**

FLUID RESISTANCE: ASTM F 1862

Standard Test Method for Resistance of Medical Face Masks to Penetration by Synthetic Blood (Horizontal Projection of Fixed Volume at Known Velocity).

Developed to simulate a challenge to the fluid splash resistance of a face mask under conditions similar to actual use. During this test, face masks are insulted with synthetic blood, and graded as a pass or fail. The masks are evaluated at three pressures: 80, 120, and 160mmHg.

The higher the pressure at which a mask passes, the greater the fluid resistance.