

# HALYARD\* SURGICAL AND PROCEDURE MASKS



ASTM F2100-11

## ASSURED FACIAL PROTECTION CAN BE AS EASY AS 1,2,3



### ASTM F2100-11: THE NEW STANDARD FOR FLUID-RESISTANT PROTECTION

ASTM recently issued new guidelines for performance of medical face masks, including a requirement for fluid resistance and particulate filtration for even a Level 1 mask. ASTM F2100-11 standards also call for mask packaging to be clearly labelled with the level of protection in one of three levels: 1, 2, or 3. This new standard reinforces the importance of labelling to identify protection level, based on fluid resistance, filtration, and breathability. ASTM F2100-11 is recognized by the FDA as the standard for medical face masks.

### NOW YOU CAN CHOOSE THE MASK THAT FITS THE TASK

Halyard Health, a world leader in face masks, is the first to offer masks that meet the ASTM F2100-11 at all levels. This helps you make sure you're protected appropriately for the fluid risk that may be present. You can, at a glance, pick the right mask for the task. It's as easy as 1-2-3.



For assured Level 1, 2 or 3 fluid protection, look for the symbol on the package!



Test Method	Test Description	LEVEL 1		LEVEL 2		LEVEL 3	
		ASTM F2100	FLUIDSHIELD* Masks †	ASTM F2100	FLUIDSHIELD* Masks †	ASTM F2100	FLUIDSHIELD* Masks †
ASTM F1862	Fluid Resistance with synthetic blood, in mm Hg	80 mm Hg	<b>80 mm Hg</b>	120 mm Hg	<b>120 mm Hg</b>	160 mm Hg 1	<b>60 mm Hg</b>
MIL-M-36954C	Delta P Differential pressure, mm H <sub>2</sub> O/cm <sup>2</sup>	<4.0 mm	<b>H<sub>2</sub>O 2.7</b>	<5.0 mm H <sub>2</sub> O	<b>3.7</b>	<5.0 mm H <sub>2</sub> O	<b>3.0</b>
ASTM F2101	Bacterial Filtration Efficiency (BFE), %	≥ 95%	<b>99.9%</b>	≥ 98%	<b>99.9%</b>	≥ 98%	<b>99.9%</b>
ASTM F2299	Submicron Particle Filtration (PFE) @ 0.1 μ, %	≥ 95%	<b>98.8%</b>	≥ 98%	<b>99.1%</b>	≥ 98%	<b>99.0%</b>
16 CFR Part 1610	Flammability	Class 1	<b>Class 1</b>	Class 1	<b>Class 1</b>	Class 1	<b>Class 1</b>

† Based on the calculated median

Level  
**1**

2 → 3

FLUIDSHIELD® Level 1 Procedure and Surgical Masks are made with an inner layer featuring SO SOFT® bicomponent fabric technology. They're breathable and designed to keep you comfortable.

### HALYARD® Surgical and Procedure Masks ASTM F2100-11 Level 1

Item #	Product Description	Color	Packaging
25867	FLUIDSHIELD® Level 1 Procedure Mask with SO SOFT® Lining, earloops	Yellow	50 masks/box 10 boxes/case
25868	FLUIDSHIELD® Level 1 Procedure Mask with SO SOFT® Lining, earloops	Lavender	50 masks/box 10 boxes/case
25869	FLUIDSHIELD® Level 1 Procedure Mask with SO SOFT® Lining, earloops	Blue	50 masks/box 10 boxes/case
41802	FLUIDSHIELD® Level 1 Fog-Free with SO SOFT® Lining	White	50 masks/box 10 boxes/case
41803	FLUIDSHIELD® Level 1 Fog-Free Procedure Mask with WrapAround Visor and SO SOFT® Lining	White	25 masks/box 4 boxes/case
28802	FLUIDSHIELD® Level 1 Surgical Mask with SO SOFT® Lining, ties	Blue	50 masks/box 6 boxes/case
41805	FLUIDSHIELD® Level 1 Fog-Free Surgical Mask with SO SOFT® Lining	White	50 masks/box 6 boxes/case
28806	FLUIDSHIELD® Level 1 Fog-Free Surgical Mask with SO SOFT® Lining, ties, foam band	Green	50 masks/box 6 boxes/case
39117	Level 1 Surgical Mask with SO SOFT® Lining, Horizontal ties	Blue	50 masks/box 6 boxes/case
39118	Level 1 Surgical Mask with SO SOFT® Lining, High Clarity WrapAround Visor, Horizontal ties	Blue	25 masks/box 4 boxes/case

1 → **Level 2** → 3

Designed to resist moderate fluid strike-through, new FLUIDSHIELD® Level 2 masks are available as either surgical masks with ties or procedure masks with earloops. Also available with wraparound visor.

### HALYARD® Surgical and Procedure Masks ASTM F2100-11 Level 2

Item #	Product Description	Color	Packaging
28810	FLUIDSHIELD® Level 2 Procedure Mask with earloops	Blue	50 masks/box 10 boxes/case
28821	FLUIDSHIELD® Level 2 Fog-Free Procedure Mask, earloops with wraparound visor	Blue	25 masks/box 4 boxes/case
28808	FLUIDSHIELD® Level 2 Fog-Free Surgical Mask with ties	Blue with orange cross hatch	50 masks/box 6 boxes/case
28809	FLUIDSHIELD® Level 2 Fog-Free Surgical Mask, ties with wraparound visor	Blue with orange cross hatch	25 masks/box 4 boxes/case

1 → 2 → **Level 3**

FLUIDSHIELD® masks from Halyard have long been considered the industry standard. Our new FLUIDSHIELD® masks meet the ASTM F2100-11 Level 3 standard for high fluid resistance.

### HALYARD® Surgical and Procedure Masks ASTM F2100-11 Level 3

Item #	Product Description	Color	Packaging
28797	FLUIDSHIELD® Level 3 Fog-Free Procedure Mask, earloops	Orange	40 masks/box 10 boxes/case
28800	FLUIDSHIELD® Level 3 Fog-Free Procedure Mask, earloops with wraparound visor	Orange	25 masks/box 4 boxes/case
28820	FLUIDSHIELD® Level 3 Fog-Free Surgical Mask, ties	Orange	50 masks/box 6 boxes/case
28804	FLUIDSHIELD® Level 3 Fog-Free Surgical Mask, ties with wraparound visor	Orange	25 masks/box 4 boxes/case

#### LEVEL 3

Test Method	Test Description	ASTM F2100-11	FLUIDSHIELD® Masks†
ASTM F1862	Fluid Resistance with synthetic blood, in mm Hg	160 mm Hg	<b>160 mm Hg</b>
MIL-M-36954C	Delta P Differential Pressure, mm H <sub>2</sub> O/cm <sup>2</sup>	<5.0 mm H <sub>2</sub> O/cm <sup>2</sup>	<b>3.0 mm H<sub>2</sub>O/cm<sup>2</sup></b>
ASTM F2101	Bacterial Filtration Efficiency (BFE), %	≥ 98%	<b>99.8%</b>
ASTM F2299	Submicron Particle Filtration (PFE) @ 0.1µ, %	≥ 98%	<b>98.9%</b>
16 CFR Part 1610	Flammability	Class 1	<b>Class 1</b>

†Based on the calculated median.



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For more information, please visit:

[www.halyardhealth.com](http://www.halyardhealth.com)

Call 1-844-HALYARD (1-844-425-9273) in the United States and Canada.

You may also like to try our FLUIDSHIELD® Masks with SO SOFT® Lining.

[www.halyardhealth.com](http://www.halyardhealth.com)



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