

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!

ASTM Level · Fluid Resistance	
1	80
2	120
3	160



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.

LOW

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
39117	FLUIDSHIELD® Level 1 Surgical Mask, with SO SOFT® Lining, Horizontal Ties	Blue	50 masks/box 6 boxes/case
39118	FLUIDSHIELD® Level 1 Surgical Mask, with SO SOFT® Lining, High Clarity WrapAround Visor, Horizontal Ties	Blue	25 masks/box 4 boxes/case
41802	FLUIDSHIELD® Level 1 Fog-Free Procedure Mask with SO SOFT® Lining, earloops	White	50 masks/box 10 boxes/case
41803	FLUIDSHIELD® Level 1 Fog-Free Procedure Mask with WrapAround Visor and SO SOFT® Lining, earloops	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 Surgical Mask with SO SOFT® Lining, ties	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



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.

MODERATE

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

Item #	Product Description	Color	Packaging
28810	FLUIDSHIELD® Level 2 Procedure Mask, earloops	Blue	50 masks/box 10 boxes/case
28821	FLUIDSHIELD® Level 2 Fog-Free Procedure Mask with wraparound visor, earloops	Blue	25 masks/box 4 boxes/case
28808	FLUIDSHIELD® Level 2 Fog-Free Surgical Mask, ties	Blue with orange cross hatch	50 masks/box 6 boxes/case
28809	FLUIDSHIELD® Level 2 Fog-Free Surgical Mask with wraparound visor, ties	Blue with orange cross hatch	25 masks/box 4 boxes/case
39123	FLUIDSHIELD® Level 2 Expanded Chamber Surgical Mask, with SO SOFT® Lining, Ties	Blue/White	50 masks/box 6 boxes/case
39124	FLUIDSHIELD® Level 2 Expanded Chamber Surgical Mask, with SO SOFT® Lining, High Clarity WrapAround Visor, Ties	Blue/White	25 masks/box 4 boxes/case



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.

HIGH

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

Item #	Product Description	Color	Packaging
28797	FLUIDSHIELD® Level 3 Fog-Free Procedure Mask, polycellulose lining, earloops	Orange	40 masks/box 10 boxes/case
28800	FLUIDSHIELD® Level 3 Fog-Free Procedure Mask, polycellulose lining, earloops with wraparound visor	Orange	25 masks/box 4 boxes/case
28820	FLUIDSHIELD® Level 3 Fog-Free Surgical Mask, polycellulose lining, ties	Orange	50 masks/box 6 boxes/case
28804	FLUIDSHIELD® Level 3 Fog-Free Surgical Mask, polycellulose lining, ties with wraparound visor	Orange	25 masks/box 4 boxes/case
47107	FLUIDSHIELD® Level 3 Fog-Free Procedure Mask with So Soft® Lining, earloops	Orange	40 masks/box 10 boxes/case
47137	FLUIDSHIELD® Level 3 Fog-Free Procedure Mask with SO SOFT® Lining, Visor, earloops	Orange	25 masks/box 4 boxes/case
47147	FLUIDSHIELD® Level 3 Fog-Free Procedure Mask with SO SOFT® Lining, wraparound visor, earloops	Orange	25 masks/box 4 boxes/case
00146	FLUIDSHIELD® Level 3 Fog-Free Procedure Mask with SO SOFT® Lining, wraparound visor, earloops	Blue	25 masks/box 4 boxes/case
00148	FLUIDSHIELD® Level 3 Fog-Free Procedure Mask with SO SOFT® Lining, earloops	Blue	40 masks/box 10 boxes/case
47297	FLUIDSHIELD® Level 3 Teddy Bear Procedure Mask with SO SOFT® Lining, earloops	Teddy Bear	40 masks/box 10 boxes/case
47298	FLUIDSHIELD® Level 3 Teddy Bear Procedure Mask with SO SOFT® Lining, wraparound visor, earloops	Teddy Bear	25 masks/box 4 boxes/case
48207	FLUIDSHIELD® Level 3 Fog-Free Surgical Mask with SO SOFT® Lining, ties	Orange	50 masks/box 6 boxes/case
48208	FLUIDSHIELD® Level 3 Surgical Mask with SO SOFT® Lining, ties	Orange	50 masks/box 6 boxes/case
48237	FLUIDSHIELD® Level 3 Fog-Free Surgical Mask with SO SOFT® Lining/Visor, ties	Orange	25 masks/box 4 boxes/case
48247	FLUIDSHIELD® Level 3 Fog-Free Surgical Mask with SO SOFT® Lining, WrapAround Anti-Glare Visor, ties	Orange	25 masks/box 4 boxes/case
48248	FLUIDSHIELD® Level 3 Surgical Mask with SO SOFT® Lining/WrapAround Visor, ties	Orange	25 masks/box 4 boxes/case
48297	FLUIDSHIELD® Level 3 Teddy Bear Surgical Mask with SO SOFT® Lining, ties	Teddy Bear	50 masks/box 6 boxes/case

Test Method	Test Description	LEVEL 1	LEVEL 2	LEVEL 3
		ASTM F2100	ASTM F2100	ASTM F2100
ASTM F1862	Fluid Resistance with synthetic blood, in mm Hg	80 mm Hg	120 mm Hg	160 mm Hg 1
MIL-M-36954C	Delta P Differential pressure, mm H ₂ O/cm ²	<4.0 mm H ₂ O	<5.0 mm H ₂ O	<5.0 mm H ₂ O
ASTM F2101	Bacterial Filtration Efficiency (BFE), %	≥ 95%	≥ 98%	≥ 98%
ASTM F2299	Submicron Particle Filtration (PFE) @ 0.1 μ, %	≥ 95%	≥ 98%	≥ 98%
16 CFR Part 1610	Flammability	Class 1	Class 1	Class 1

† Based on the calculated median

HALYARD* Surgical and Procedure Masks ASTM F2100-11 Level 1

Item #	PFE (0.1 μm)	BFE (3 μm)	▲P (mm H ₂ O/cm ²)
25867	98.8%	99.9%	Pass
25868	98.8%	99.9%	Pass
25869	98.8%	99.9%	Pass
39117	99.0%	99.0%	Pass
39118	99.0%	99.0%	Pass
41802	98.8%	99.9%	Pass
41803	98.8%	99.9%	Pass
28802	98.8%	99.9%	Pass
41805	98.8%	99.9%	Pass
28806	98.8%	99.9%	Pass

HALYARD* Surgical and Procedure Masks ASTM F2100-11 Level 2

Item #	PFE (0.1 μm)	BFE (3 μm)	▲P (mm H ₂ O/cm ²)
28810	99.1%	99.9%	Pass
28821	99.1%	99.9%	Pass
28808	99.1%	99.9%	Pass
28809	99.1%	99.9%	Pass
39123	98.7%	99.4%	Pass
39124	98.7%	99.4%	Pass

HALYARD* Surgical and Procedure Masks ASTM F2100-11 Level 3

Item #	PFE (0.1 μm)	BFE (3 μm)	▲P (mm H ₂ O/cm ²)
28797	99.0%	99.9%	Pass
28800	99.0%	99.9%	Pass
28820	99.0%	99.9%	Pass
28804	99.0%	99.9%	Pass
47107	99.0%	99.9%	Pass
47137	99.0%	99.9%	Pass
47147	99.0%	99.9%	Pass
00146	99.0%	99.9%	Pass
00148	99.0%	99.9%	Pass
47297	99.0%	99.9%	Pass
47298	99.0%	99.9%	Pass
48207	99.0%	99.9%	Pass
48208	99.0%	99.9%	Pass
48237	99.0%	99.9%	Pass
48247	99.0%	99.9%	Pass
48248	99.0%	99.9%	Pass
48297	99.0%	99.9%	Pass



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For more information, please visit:

www.halyardhealth.com

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