

FLUIDSHIELD* ASTM F2100-11 SPECIALTY SURGICAL MASKS

Fluid-Resistant Protection.



NOW GET BOTH COMFORT AND TOP-TO-BOTTOM PROTECTION

**IS YOUR SURGICAL MASK
DOING HALF THE JOB?**

GET THE WHOLE TRUTH.

Studies show fluid strikes the face area of OR staff on average between 45 and 51% of the time.¹ And the truth is, over 70% of masks aren't rated for fluid resistance.²

Now get both — the comfort you've always wanted and top-to-bottom protection — with new HALYARD* FLUIDSHIELD* ASTM-rated specialty surgical masks. HALYARD* offers you a full line of ASTM-rated fluid-protective masks with unique comfort and performance features designed to satisfy your OR staff.



When the lives of patients and staff are on the line, more healthcare professionals choose

**HALYARD*. THE LEADER IN
FACIAL PROTECTION.**

ASTM Level 1 – Low Fluid Exposure Expected



FLUIDSHIELD* Level 1 Specialty Surgical Masks are ASTM-rated fluid-protective masks - with unique comfort features designed to satisfy your OR staff. All Level 1 masks feature a SO SOFT* bicomponent inner lining, which was found to be the softest and silkiest among leading surgical masks tested! Plus, they're powered by POWERGUARD* filter technology for enhanced microbial barrier protection.



39117

FLUIDSHIELD* Level 1 Surgical Mask, with SO SOFT* Lining, Horizontal Ties, Blue

- A surgical mask with horizontal ties that is also fluid-resistant for protection
- Longer horizontal ties for ease of donning
- Larger design provides more facial coverage than other HALYARD* masks



39118

FLUIDSHIELD* Level 1 Surgical Mask, with SO SOFT* Lining, High-Clarity WrapAround Visor, Horizontal Ties, Blue

- A surgical mask with horizontal ties and WrapAround visor that is also fluid-resistant for protection
- Longer horizontal ties for ease of donning
- Larger design provides more facial coverage than other HALYARD* masks
- PLUS high-performing patent pending attached visor provides:
 - High visual clarity for improved visibility
 - Innovative anti-reflective coating to reduce glare
 - Special anti-fog coating that resists fogging



41805

FLUIDSHIELD* Level 1 Surgical Mask, with SO SOFT* Lining, Ties, White

- SO SOFT* lining has been shown in tests to be non-irritating to the skin
- Dye-free



28806

FLUIDSHIELD* Level 1 Surgical Mask, with SO SOFT* Lining, Ties, Green

- Foam band for fog-resistance

LOW

Performance Specifications

ASTM F2100-11 Level 1 Test Methods and Descriptions

Test Method	Test Description	ASTM F2100-11 Standard - Level 1	HALYARD* Face Masks			
			39117	39118	41805	28806
ASTM F1862	Fluid Resistance with synthetic blood, in mm Hg	80 mm Hg	80 mm Hg	80 mm Hg	80 mm Hg	80 mm Hg
MIL-M-36954C	Delta P Differential Pressure, mm H ₂ O/cm ²	<4.0 mm H ₂ O/cm ²	Pass	Pass	Pass	Pass
ASTM F2101	Bacterial Filtration Efficiency (BFE), %	≥ 95	99.0	99.0	99.9	99.9
ASTM F2299	Submicron Particulate Filtration (PFE) @ 0.1µ, %	≥ 95	99.0	99.0	98.8	98.8
16 CFR Part 1610	Flammability	Class 1	Class 1	Class 1	Class 1	Class 1

Values reported are based on the calculated median.
Halyard data on file.

ASTM Level 2 – Moderate Fluid Exposure Expected



FLUIDSHIELD* Level 2 Specialty Surgical Masks are ASTM-rated fluid-protective masks - designed for comfort and performance. These Level 2 masks also feature a SO SOFT* bicomponent inner lining and are powered by POWERGUARD* filter technology for enhanced microbial barrier protection.



39123

FLUIDSHIELD* Level 2 Expanded Chamber Surgical Mask, with SO SOFT* Lining, Ties, Blue/White

- Fluid-resistant at Level 2 on both top and bottom of mask for top-to-bottom protection
- Spacious expanded breathing chamber gives you more room to breathe
- Longer ties for ease of donning
- Soft, thermal-bonded binding secures conformable nosewire, enabling close facial fit



39124

FLUIDSHIELD* Level 2 Expanded Chamber Surgical Mask, with SO SOFT* Lining, High-Clarity WrapAround Visor, Ties, Blue/White

- Fluid-resistant at Level 2 on both top and bottom of mask for top-to-bottom protection
- Spacious expanded breathing chamber gives you more room to breathe
- Longer ties for ease of donning
- Soft, thermal-bonded binding secures conformable nosewire, enabling close facial fit
- PLUS, high-performing patent pending attached visor provides:
 - High visual clarity for improved visibility
 - Innovative anti-reflective coating to reduce glare
 - Special anti-fog coating that resists fogging

MODERATE

Performance Specifications

ASTM F2100-11 Level 2 Test Methods and Descriptions

			HALYARD* Face Masks	
Test Method	Test Description	ASTM F2100-11 Standard - Level 2	39123	39124
ASTM F1862	Fluid Resistance with synthetic blood, in mm Hg	120 mm Hg	120 mm Hg	120 mm Hg
MIL-M-36954C	Delta P Differential Pressure, mm H ₂ O/cm ²	<5.0 mm H ₂ O/cm ²	Pass	Pass
ASTM F2101	Bacterial Filtration Efficiency (BFE), %	≥ 98	99.4	99.4
ASTM F2299	Submicron Particulate Filtration (PFE) @ 0.1µ, %	≥ 98	98.7	98.7
16 CFR Part 1610	Flammability	Class 1	Class 1	Class 1

Values reported are based on the calculated median.
Halyard data on file.

FLUIDSHIELD* ASTM F2100-11 Specialty Surgical Masks

Code	Description	ASTM Performance Level	Masks/Box	Boxes/Case	Masks/Case
39117	FLUIDSHIELD* Level 1 Surgical Mask, with SO SOFT* Lining, Horizontal Ties, Blue	Level 1	50	6	300
39118	FLUIDSHIELD* Level 1 Surgical Mask, with SO SOFT* Lining, High Clarity WrapAround Visor, Horizontal Ties, Blue	Level 1	25	4	100
41805	FLUIDSHIELD* Level 1 Surgical Mask with SO SOFT* Lining, Ties, White	Level 1	50	6	300
28806	FLUIDSHIELD* Level 1 Fog-Free Surgical Mask with SO SOFT* Lining, Ties, Green	Level 1	50	6	300
39123	FLUIDSHIELD* Level 2 Expanded Chamber Surgical Mask, with SO SOFT* Lining, Ties, Blue/White	Level 2	50	6	300
39124	FLUIDSHIELD* Level 2 Expanded Chamber Surgical Mask, with SO SOFT* Lining, High Clarity WrapAround Visor, Ties, Blue/White	Level 2	25	4	100

OSHA Standard 1910.1030 Bloodborne Pathogens³

Personal Protective Equipment - 1910.1030(d)³(i) When there is occupational exposure [to bloodborne pathogens], the employer shall provide, at no cost to the employee, appropriate personal protective equipment such as, but not limited to, gloves, gowns, laboratory coats, face shields or masks and eye protection... [PPE] will be considered 'appropriate' only if it does not permit blood or other potentially infectious materials to pass through to or reach the employee's work clothes, street clothes, undergarments, skin, eyes, mouth, or other mucous membranes..."



QUESTION YOUR PROTECTION

Get the full story and see the demo video at
halyardhealth.com/ASTMFaceMasks

For more information, please visit:

www.halyardhealth.com

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



KNOWLEDGE NETWORK* Accredited Education
 In-service Training and Technical Support
 Credentialed Sales Representatives
 Tools & Best Practices
 Clinical Research
 Commitment to Excellence



† HALYARD* Sensory Panel Study, 2013

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 GHX Data 2014

3 Occupational Safety & Health Administration, Occupational Safety and Health Standards, Toxic and Hazardous Substances, Standard Number: 1910.1030 Bloodborne pathogens.
www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=STANDARDS&p_id=10051

