

AS4381:2015 REQUIREMENTS

	AS4381:2015 LEVEL ●●● 1	AS4381:2015 LEVEL ●●● 2	AS4381:2015 LEVEL ●●● 3
Bacterial filtration efficiency (BFE)	≥ 95%	≥ 98%	≥ 98%
Sub-micron particulate efficiency at 0.1 µm (PFE)	≥ 95%	≥ 98%	≥ 98%
Resistant to penetration by synthetic blood	@80 mm Hg	@120 mm Hg	@160 mm Hg
Differential Pressure (ΔP)	<4.0 mm H ₂ O/cm ²	<5.0 mm H ₂ O/cm ²	<5.0 mm H ₂ O/cm ²
Flame Spread	Class 1	Class 1	Class 1

AS4381:2015
LEVEL ●●● **1**Low risk exam
procedure

Low level of spray

No spray medical &
dental treatments

Basic lab work & exam

AS4381:2015
LEVEL ●●● **2**Moderate risk exam
procedureModerate
level of sprayHigh or low-speed
handpieces procedureLab work with exposure
to blood & dental implantAS4381:2015
LEVEL ●●● **3**High risk exams
procedure

High level of spray

Air water syringe usage

Oral surgery and dental
implant**EN14683**

	Type I	Type II	Type III
Bacterial filtration efficiency (BFE)	≥ 95	≥ 98	≥ 98
Differential Pressure (Pa/cm ²)	< 29.4 (ASTM 3 mmH ₂ O)/cm ²)	< 29.4 (ASTM 3 mmH ₂ O)/cm ²)	< 49 (ASTM 5 mmH ₂ O)/cm ²)
Splash resistance pressure (kPa)	Not Required	Not Required	≥ 16 (ASTM 120mmHg)
Microbial cleanliness (cfu/g)	≤ 30	≤ 30	≤ 30

MASKS ADDITIONAL INFORMATION



- 1 Non-woven spunbond outer layer material for maximum protection against fluid penetration
- 2 Highest quality filter for optimal filtration and breathability, meeting ASTM Level 1 through Level 3 performance requirements.
- 3 Inner Layer that will not lint, tear or shred.
 - Non-woven spunbond inner layer made of white dye-free fluid resistant material.
 - Cellulose inner layer is designed with sensitive skin in mind. This soft, dye-free, lightweight and highly breathable inner layer is gentle and non-irritating. It remains cool on the skin for ultimate ease and comfort. (Available only on SafeMask SofSkin line)
- 4 Soft, strong, sonically sealed ample-length earloops so there is no pulling. They fit comfortably and attached to the outside of the mask to eliminate irritation.
- 5 Adjustable, extra-long, enclosed aluminum nose piece forms strong seal for maximum protection and comfort.
- 6 Shingle pleat design prevents fluid pooling and cross contamination. When mask is worn, the pleats should always be facing down.
- 7 Soft bond ultrasonics ensure strongest construction, eliminating holes and defects.