

# COMFORT AND PROTECTION THAT FITS THE BILL



**PARTICULATE FILTER  
RESPIRATOR**



# FITS THE BILL FOR COMFORT

**Comfort is a critical factor when considering respirator brand choice.**

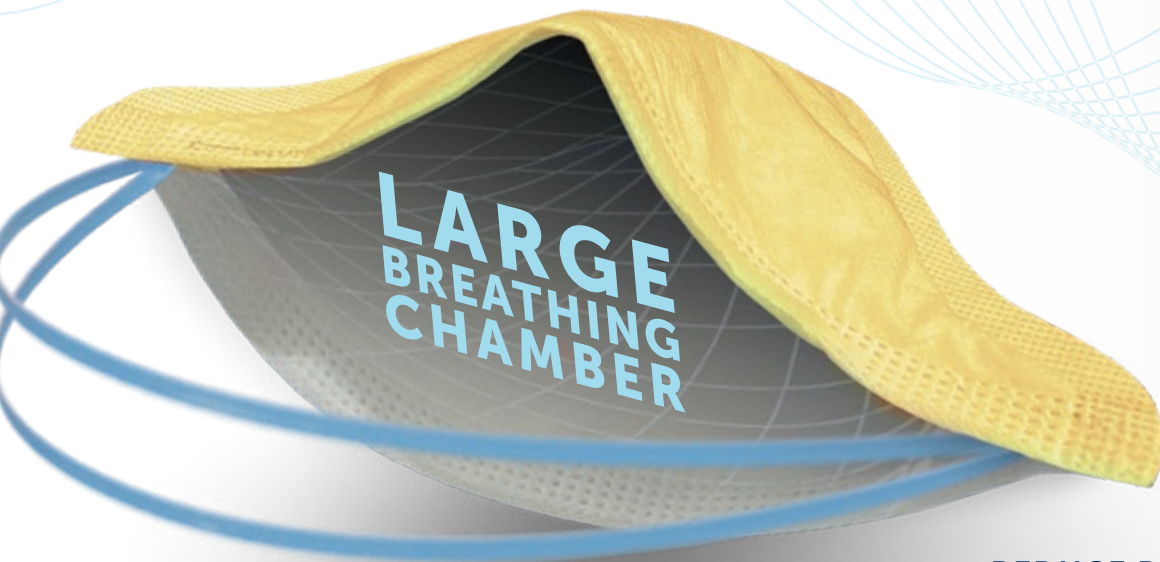
Healthcare workers in high risk environments need distraction-free PPE, allowing focus on the patient and the task at hand. Mask discomfort can lead to adjustment and compliance issues, increasing the risk of occupationally acquired infection.

Of the two main respirator shapes available, cone and duckbill, the duckbill shape offers a significantly larger internal breathing environment.



## GREATER BREATHING SPACE

EXTRA SPACE MEANS  
EXTRA COMFORT



**REDUCE RISK. WEAR HALYARD**



## LIGHTER ON THE FACE

A heavy respirator can feel cumbersome and uncomfortable, requiring additional adjustments to keep it in place.

**HALYARD Respirators are 10%-21% lighter than leading competitor respirators.<sup>1</sup>**



## LESS FOGGING FRUSTRATION

For healthcare workers wearing glasses, fogging can be a direct issue associated with mask use, leading to distraction and irritation.

A secure fit around the face and the nose wire is critical to reduce fogging. **The HALYARD Respirator molds to create a mask-to-face seal, perfectly sculpted to the individual wearer, meaning less fogging frustration.**



## EASY TO SHAPE

The effectiveness of respirators relies on the mask-to-face seal. **HALYARD Respirators have a malleable aluminium nose wire along the top of the mask, adapting to the contours of the face and supporting an individual fit.**

**The two strong, ultrasonically bonded headbands secure the mask to the face to ensure a tight facial seal and helps prevent leakage around the mask edges.**

**In addition, the latex-free headbands are securely bonded, NOT STAPLED to the mask, providing a secure and comfortable fit.**



## LESS IRRITATION

Mask use can lead to skin irritation, for healthcare workers with sensitive skin.

**HALYARD Respirator components have been tested to meet ISO Standard 10993-10,** designed to assess medical devices and their constituent materials, with regard to their potential to produce irritation and skin sensitization.<sup>2</sup>



1. Data on file; (GHX Corporation. 2020 Market share Report. **Leading cone respirator**); 2. NAMSA, GLP Report T1261\_300 and C2009-944-C-R4-2 N95

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FITS THE BILL

# FOR PROTECTION

**Not all respirators offer the same level of protection.** The COVID-19 pandemic and subsequent high rates of infection amongst healthcare workers has highlighted that health facilities cannot compromise on PPE protection for their staff.



## FLUID RESISTANT TYPE IIR SURGICAL MASK

Healthcare workers can be exposed to particle and fluid risk, particularly in unpredictable settings such as ICU, OR and Emergency.<sup>3</sup>

**The HALYARD FFP2 NR Filtering half mask provides the protection of both a FFP2 respirator and Type IIR surgical mask.**

The respirator exceeds the EN 14683:2019<sup>3</sup> requirements for splash resistance to pressure. Providing up to 160 mmHg/ 21,3 kPa FLUIDSHIELD\* 3 splash resistance to fluids and sprays. Helping to reduce the risk of both particle and fluid splash exposure for healthcare workers.



## PROTECTION THAT MEETS INDUSTRY STANDARDS

The COVID-19 pandemic has seen a significant increase in the supply of masks that fail to comply with regulatory standards.<sup>4</sup>

**HALYARD Respirators are certified per the Regulation (EU) 2016/425 on personal protective equipment and meet all of the performance requirements set by the EN 149:2001 + A1:2009 amended standard.**

Category III PPE provide health care workers with the highest level of protection and are used to protect the health of workers against occupational health hazards and diseases.



## CHEMOTHERAPY PROTECTION

Chemotherapy drugs can represent a significant health risk to operating theatre staff. When a patient has received chemotherapy and requires surgery, the surgical team involved requires protection against exposure to potentially carcinogenic fluids that may cause chromosomal damage.

**The HALYARD FFP2 NR Filtering Half Mask has been tested for resistance to penetration with 7 commonly used chemotherapy drugs using the ASTM F739-12 test method.<sup>5</sup>**

REDUCE RISK. WEAR HALYARD



## ATTRACTS AND RETAINS SMALLER MICRONS

Viruses present at varying particle sizes. The most challenging particle size to capture via filter media is 0.3 microns.

Designed with a layer of electrostatically charged filter media, **HALYARD Respirators attract and secure at least 94% of all particles, even those at 0.3 microns.**<sup>6</sup>



## QUALITATIVE FIT TEST

Fit testing is recommended for all healthcare workers who are required to wear tight-fitting facepiece respirators. To ensure that HALYARD Respirators provide the intended level of protection, every wearer should be Fit Tested.<sup>7</sup>

### Ask about the HALYARD\* Qualitative Fit Test Kit.

The HALYARD\* Qualitative Fit Test Kit contains all the materials and instructions you require to conduct fit testing.



3. EN 14683:2019 Medical face masks. Requirements and test methods.
4. Medtech (May 2020). Protective Equipment in the context of COVID-19. online [pdf] <[https://www.medtecheurope.org/wp-content/uploads/2020/05/2020\\_MTE\\_PPE-explanatory-paper\\_May2020.pdf](https://www.medtecheurope.org/wp-content/uploads/2020/05/2020_MTE_PPE-explanatory-paper_May2020.pdf)> Last accessed 15th February 2021.;
5. Code 62408 tested against;
  1. Carmustine 3.3 mg/ml
    - a. Breakthrough noted at 10 minutes. Steady state breakthrough of 0.02 µg/cm<sup>2</sup>/min
  2. Cyclophosphamide 20 mg/ml
  3. Doxorubicin 2mg/ml
  4. Etoposide 20mg/ml
  5. 5-Flourouracil 50mg/ml
  6. Paclitaxel 6mg/ml
  7. ThioTepa 10mg/ml
    - a. Breakthrough noted at 33 minutes. Steady state breakthrough of 0.03 µg/cm<sup>2</sup>/min
6. 62408 technical file. BSI CE Cert 711883 and DoC;
7. OSHA. Hospital Respiratory Protection Program Toolkit. 2015

# FITS THE BILL FOR QUALITY

**High performance and proven quality you can trust.** The most important element in selecting a respirator mask, is the confidence of knowing you are protected by outstanding quality.



## FACEMASKS ARE OUR HERITAGE

As a global market leader and manufacturer of face masks, HALYARD has been designing and optimising facial protection for over 20 years. Our deep expertise pioneering infection prevention products ensures ongoing quality and consistent, superior performance.

**HALYARD sets the benchmark for Respirator quality.**



## STRINGENT INTERNAL DESIGN PROTOCOLS

Halyard internal design test protocols go above and beyond industry requirements, providing a high level of confidence in product performance for healthcare workers.

**HALYARD Respirators are engineered to perform to stringent internal testing protocols.<sup>6</sup>**



## IDEAL FOR STOCKPILING

As the COVID-19 Pandemic has shown, it's difficult to predict when a widespread infectious disease outbreak will occur.

The best strategy for any healthcare facility is to be prepared by stockpiling critical Personal Protective Equipment (PPE).

**HALYARD Respirators have a 5-year shelf life, fold flat for compact storage and require LESS overall STORAGE SPACE.<sup>7</sup>**

**Other leading respirators require at least 40% more storage space for the same number of respirators.<sup>8</sup>**



## VERTICALLY INTEGRATED RAW MATERIALS

Halyard manufacturing plants are all vertically integrated, enabling end-to-end control of the entire supply chain.

This includes the manufacture of spunbond material, ensuring best practice mask construction and outstanding quality control.

**With manufacturing investment and end-to-end control of our entire supply chain, we have been able to ramp up respirator production during the pandemic.**

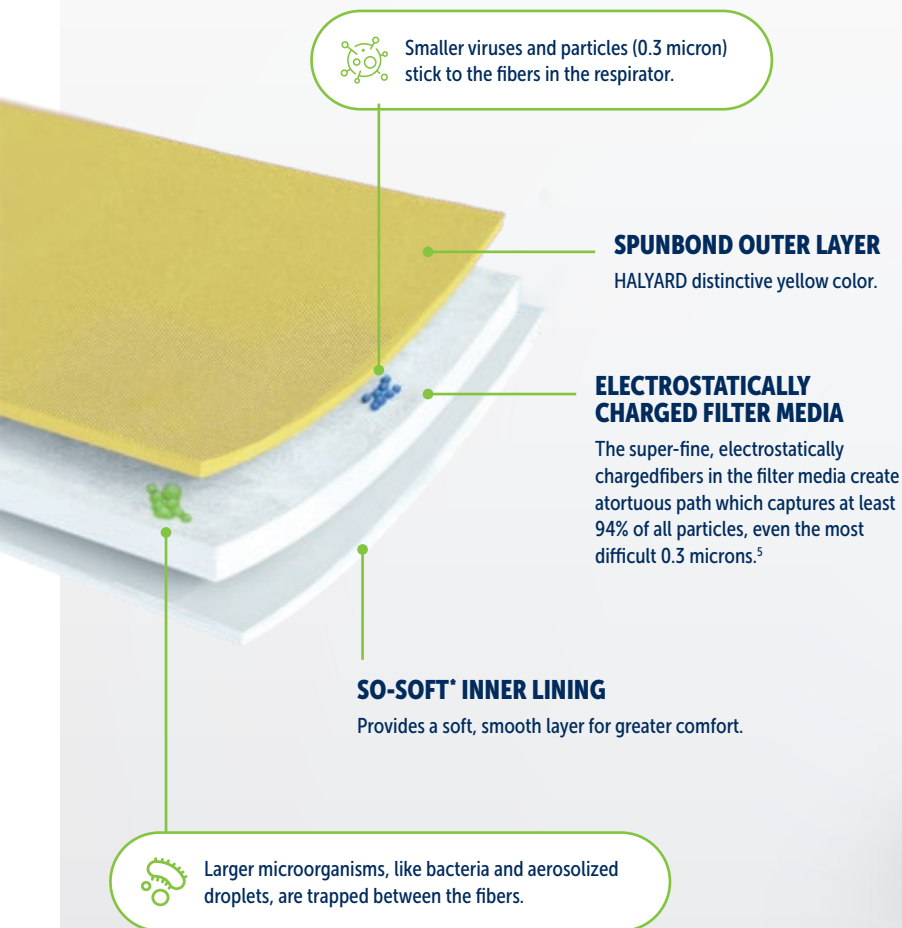
**REDUCE RISK. WEAR HALYARD**

# NOT ALL RESPIRATORS ARE CREATED EQUAL

The multi layer construction in HALYARD Respirators, provide respirator performance you can trust.

HALYARD Respirators

## CROSS SECTION



### BONDED STRAPS

The two, over-the-head straps are bonded, not stapled, for optimal fit.

### ADJUSTABLE ALUMINIUM NOSEWIRE



6.7.8. Data on file

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# HALYARD RESPIRATORS FIT THE BILL FOR COMFORT, PROTECTION AND QUALITY

## PROVIDE:

- ✓ Respiratory Protection and Qualified Personal Protective Equipment
- ✓ Comfort Supporting Compliance:
  - GREATER breathing space
  - FLUIDSHIELD\* 3 Splash Protection (160mmHg/21,3 kPa). Exceeding EN 14683:2019 Type IIR requirements for splash resistance pressure.
  - Chemotherapy Protection. Tested against 7 cytotoxic drugs.
  - 10%-21% lighter on the face
  - The malleable aluminium nose wire ensures less fogging frustration and creates an individual fit.
  - Components tested to ISO 10993-10 indicating low irritation
  - EN 149:2001 + A1:2009 compliant respirators and CE marked per PPE per Regulation (EU) 2016/425
  - EN 14683: 2019 compliant Type IIR surgical mask and CE marked per Medical Device Regulation (EU) 2017/745

## MEET RESPIRATORY STANDARDS:

- ✓ Approved to filter out at least 94% of particles at 0.3 microns

## SUITABLE FOR:

- ✓ Use in Isolation Protocols
- ✓ Procedures or situations that require Respiratory Protection
- ✓ Pandemic Preparedness
  - Folds flat for compact storage, requiring LESS storage space
  - 5 year shelf life
  - Competitors require at least 40% more storage space

Product Code	Description and Size	Respirator Type and EN Compliance	PPE per Regulation (EU) 2016/425	MD per Regulation (EU) 2017/745	Packaging	BFE (3 µm)	Maximum total inward Leakage	Maximum Penetration of filter material NaCL at 95 l/min Particles 0.6 µm	Maximum Penetration of filter material Oil at 95 l/min Particles 0.6 µm	Breathing Resistance (mbar) with an inhalation rate of 95 l/min
62354	PFR P1 Filtering Half Mask/White	EN 149: 2001+A1: 2009 FFP1	PPE CAT III	-	Masks/Box = 50 Boxes/Case = 6	≥ 98%	22%	20%	20%	2.1
62408	PFR P2 Filtering Half Mask/Yellow	EN 149: 2001+A1: 2009 FFP2	PPE CAT III	Class I (EN 14683 Type IIR)	Masks/Box = 50 Boxes/Case = 6	≥ 98%	8%	6%	6%	2.4
62360	PFR P3 Filtering Half Mask with valve/White	EN 149: 2001+A1: 2009 FFP3	PPE CAT III	--	Masks/Box = 20 Boxes/Case = 12	≥ 98%	2%	1%	1%	3.0

Product Code	Description and Size	Packaging
47950	Qualitative Fit Test Kit	Kits/Box = 1 Boxes/Case = 1

Product Code	Description	Packaging
SV50A	SAFEVIEW* Assembled Glasses	Items/Box = 10 Boxes/case = 5
SV100F	SAFEVIEW* Frames	Items/Box = 10 Boxes/Case = 10
SV250L	SAFEVIEW* Replacement Lenses	Items/Box = 25 Boxes/Case = 10
41204	Face Shield Full-Length Visor	Items/Case = 40
41205	Face Shield Three-Quarter Length Visor	Items/Case = 40

For more information, please contact your Halyard Customer Care Team:

Customer Service UK & IE

[Customerservice.uk.ie@hyh.com](mailto:Customerservice.uk.ie@hyh.com)

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