

# Affinity 1100 and 2100 Series

Cup-shaped and Folded Disposable Half Mask



MSA's Affinity series features a full range of disposable masks for professional and DIY (Do-It-Yourself) use.

The product lines 2100 (folded) and 1100 (cupshaped), with protection levels FFP1 to FFP3, provide reliable protection according to the latest European Standards. The Odour-Removal (OR) Affinity 1141 FFP2 offer relief from unpleasant odours in concentrations below TLV.

Colour coded plastic attachments and/or nose clips ensure easy identification (green for FFP1, yellow for FFP2, blue for FFP2 OR, red for FFP3) and help the user to select the proper type. The ergonomic design, soft material and optional exhalation valve provide comfortable and economical products that can be used for all applications. The Affinity range is true to its name: conforming perfectly to the contours of the face.

*Because every life has a **purpose...***

## Cup-Shaped Respirator

Effective, reliable and economical, the cup-shaped Affinity 1100 is available in FFP1, FFP2 and FFP3 versions according to EN 149:2001. It protects against most penetrating solid and liquid aerosol particles, depending on which class of filter is used. The specially selected filter media provides excellent efficiency and enhanced durability.

## Features & Benefits

- Lightweight and comfortable
  - Snug fit
  - Smooth material
  - Pre-shaped nose area
  - Sealed tabs (no staples and no additional plastic parts)
  - Optional exhalation valve
  - Valve colour coding for quick identification
  - Thin and light material for comfortable fit
  - Universal size for easy selection and less inventory
  - High filter media quality provides 5 years storage life
- FFP3 also features:**
- Separate adjustable elastic band
  - Inner face seal for a better fit

Colour coding for better identification of the facepiece type

AnthroCurve® sealing flange for a safe and comfortable fit



Adjustable elastic band

Exhalation valve for more comfort

## Safe Fit

The Affinity 1100 respirators feature an AnthroCurve® sealing flange. Together with the pre-shaped nose cup and an external elastic band, a snug and safe fit is assured. Moreover the elastic band allows for quick and easy donning. With the new Affinity 1100 FFP3, the elastic band is also adjustable.

The universal size of the masks fits all face and head sizes and shapes without compromising performance and protection.

## High Comfort

The smooth nose cup provides a tight but soft and comfortable fit over extended periods. An optional exhalation valve offers low breathing resistance as it removes hot exhaled breath making the respirator cooler and easier to wear over extended periods.

The Affinity 1100 respirators are dolomite tested to guarantee better breathing comfort, particularly in high dust environments.

## Excellent Value

The specially selected materials and components, optimal filter performance, dimensionally stable construction and universal size are setting new standards of excellence.

A Special Odour Removal version, Affinity 1141, offers relief from low concentration levels of Acid Gases (including HF), only below TLV (nuisance levels).

Whether hot, cold, dry or humid, the Affinity 1100 offers more than just protection.



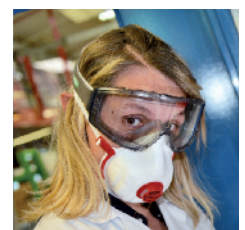
Affinity 1111



Affinity 1121



Affinity 1141



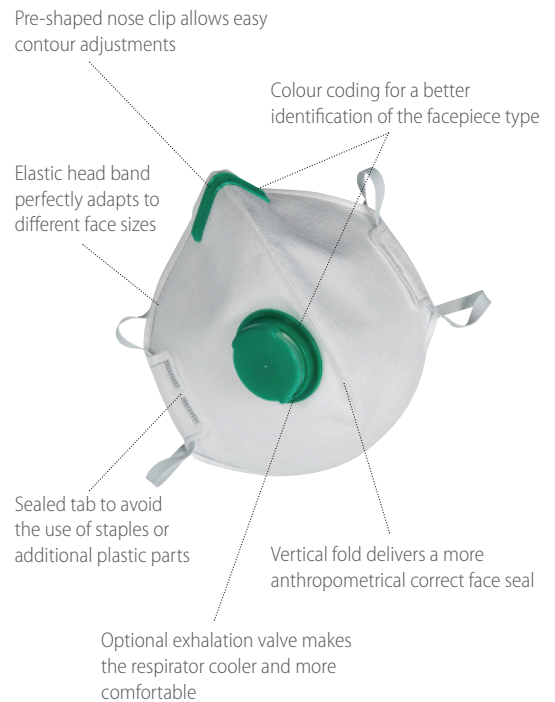
Affinity 1131

## Folded Respirator

With its high-performance thin and light filtering media Affinity 2100 is the new generation of foldable disposable respirators from MSA. Affinity 2100 offers effective protection against penetrating solid and liquid aerosol particles present in various work environments. Meeting the requirements of EN 149:2001, the different types of mask conform respectively to protection levels FFP1, FFP2 and FFP3.

## Features & Benefits

- Thin and light material for comfortable fit
- Anthropological vertical low profile design
- Pre-shaped nose clip
- Optional exhalation valve
- Colour coding for quick identification
- Elastic headband
- Inner face seal for a better fit
- Hygienic pocket-size packaging
- Universal size for easy selection and less inventory
- High filter media quality provides 5 years storage life



## Excellent Comfort

Affinity 2100 features extremely light and thin filtering media, providing a comfortable fit even when used for longer periods. The vertical fold ensures an ergonomic face seal. The low-profile design of Affinity 2100 makes it ideal for use under welding hoods or in any tight spot where a respirator must be worn. A pre-shaped nose clip allows for easy contour adjustments to achieve a snug fit that prevents exhaled breath from escaping and fogging safety glasses.

## High Performance

The optional available exhalation valve of Affinity 2100 optimises the air flow by removing warm exhaled breath. The reduced temperature and moisture vapour make breathing easier. Affinity is dolomite tested to guarantee better breathing comfort and longer service life, particularly in high dust environments. Due to the exceptional quality of the filtering media, Affinity 2100 masks have a storage life of 5 years, from the date of manufacture.

## Optimal Protection

The smooth inner lining of Affinity 2100 provides a secure and comfortable seal. The elastic band ensures easy donning and doffing and a good tight fit for all face and head sizes. Affinity offers "one-size-fits-all" convenience without compromising effectiveness. Due to its individual wrapping, Affinity 2100 can be carried on the job, when not in use. Even in dirty environments, it will remain clean and hygienic. With its small size, the respirator fits easily into any pocket, ready for immediate use.

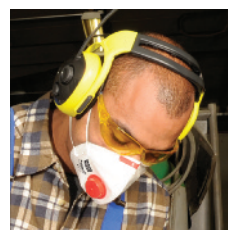
Affinity Series



Affinity 2111



Affinity 2121



Affinity 2131



Affinity 2131

## Applications

- Grinding, sanding, cutting, sweeping, sawing, bagging
- Machining, welding, brazing, plastering, insulation installation
- Pharmaceuticals, industrial processes, asbestos environments



FFP1



FFP2

FFP2 OR



FFP3

## Materials







Filter media	Polypropylene
Elastic headband	Natural latex (Affinity 2100) Natural rubber, polyester (Affinity 1100)
Valve housing	Polypropylene
Valve membrane	Vulcanized rubber
Nose clip	Steel, polypropylene
Nose foam	Polyurethane
Plastic attachments	Polypropylene






## Approvals

The products approved according to EN 149:2001 (solid and liquid particles) passed also the loading tests as required in the amendment A1:2006 to EN 143:2000.

The classification of these products is NR (not Reusable), i.e. for single shift use only.

## Ordering information

Affinity 1100				
	Part No	Description	Feature	Protection class
	10128847	Affinity 1110		FFP1 NR D
	10128848	Affinity 1111	V	FFP1 NR D
	10128849	Affinity 1120		FFP2 NR D
	10128850	Affinity 1121	V	FFP2 NR D
	10128873	Affinity 1141	V OR	FFP2 NR D
	10128871	Affinity 1131	V	FFP3 NR D

Affinity 2100				
	Part No	Description	Feature	Protection class
	10128874	Affinity 2110		FFP1 NR D
	10128875	Affinity 2111	V	FFP1 NR D
	10128876	Affinity 2120		FFP2 NR D
	10128877	Affinity 2121	V	FFP2 NR D
	10128878	Affinity 2131	V	FFP3 NR D

V = with valve  
D = dolomite tested  
OR = Odour Removal (providing nuisance relief)

### Your direct contact

**MSA (Britain) Limited**  
Lochard House  
Linnet Way  
Strathclyde Business Park  
BELLSHILL  
ML4 3RA  
Scotland  
Phone +44 (0)16 98 57 33 57  
Fax +44 (0)16 98 74 01 41  
E-mail info.gb@MSAsafety.com

**MSA Europe**  
Thiemannstrasse 1  
12059 Berlin  
Germany  
Phone +49 (0)30 68 86-0  
Fax +49 (0)30 68 86-15 58  
E-mail info.de@MSAsafety.com

**MSA International**  
1000 Cranberry Woods Drive  
Cranberry Township, PA 16066  
USA  
Phone +1-724-776-8626  
Fax +1-724-741-1559  
E-mail msa.international@MSAsafety.com