



## ENM-712 Technical Datasheet



# ENMED® ENM - 712 Protective Particulate Respirators

The ENM - 712 Particulate Respirators provide effective respiratory protection for use in industries where workers will be exposed to dust particles and/or non-volatile liquid particles.

- Tested and CE Approved to EN 149:2001+A1:2009
- Fold design enables product to be easily stored when not in use
- Diamond-shaped front allows the respirator to maintain its shape in hot humid environments
- Single loop strap allows easy adjustment on the face and head
- Exhalation valve offers improved comfort in hot humid environments and/or where work is hard and physical (K111, K112 and K113 models only).

## MATERIALS

• Straps	Thermoplastic Elastomer
• Nose Clip	Steel / Plastic
• Filter	Polypropylene
• Valve*	Polypropylene
• Valve diaphragm*	Polyisoprene
• Nosefoam**	Polyurethane

These products do not contain components made from natural rubber latex.

## Approvals

These products meet the requirements of the European Community Directive 89/686/EEC (Personal Protective Equipment Directive) and are thus CE marked. Certification under Article 10.

## STANDARDS

These products meet the requirements of recently amended European Standard EN149:2001 + A1:2009, filtering facepiece respirators for use against particles. They should be used to protect the wearer from solid and non-volatile liquid particles only.

Products are classified by filtering efficiency and maximum total inward leakage performance (FFP1, FFP2 and FFP3), also by usability and clogging resistance.

Performance tests in this standard include filter penetration; extended exposure (loading) test; flammability; breathing resistance and total inward leakage. Reusable products are also subjected to cleaning, storage and mandatory clogging resistance tests

(clogging is optional for non reusable products). A full copy of EN 149:2001+A1:2009 can be purchased from your national standards body.

Designations:

R = Reusable

NR = Non reusable (single shift use only)

D = Meets the clogging resistance requirements

## Applications

These respirators are suitable for use in concentrations of solid and non-volatile liquid particles up to the following limits:

Model	EN 149+A1 Classification	Exhalation Valve	Threshold Limit Value, TLV
ENM - 712	FFP2 NR D	Unvalved	12
ENM - 712-1	FFP2 NR D	Valved	12

## FILTERING MASK PERFORMANCES

Classification	Penetration of Filter Material by an Aerosol (the following filter penetration parameters shall not be exceeded)  Test aerosol made of Sodium chloride - Paraffin oil 95l/min % Max.	Maximum Permitted Breathing Resistance applicable to both valved and valvless filtering half-masks ( mbar )		
		Inhalation flow		Exhalation flow
		30 l/min	95 l/min	160 l/min
FFP 2	6 %	0,7	2,4	3,0