


## General Information:

Sales Name	NE-C900
Item number	NE-C900-E
Model Category	Compressor Nebulizer
Legal Manufacturer	<b>OMRON Healthcare Co., Ltd.</b> 53, Kunotsubo, Terado-cho, Muko, Kyoto 617-0002, Japan
Production Facilities	<b>OMRON DALIAN Co., Ltd.</b> Economic and Technical Development Zone No.3 Song Jiang Road, Dalian 116600, China
Photo of Product	
Packaging Content	Compressor, Nebulizer Kit, Air Tube (PVC, 200cm), 5pcs Spare Air Filters, Mouthpiece, Adult Mask (PVC), Child Mask (PVC), Nosepiece, Instruction Manual, Warranty Card,
EAN Code	4015672106499

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SWIFT BOTKNL2X  
CHAMBER OF COMMERCE NR. 342.10306  
BTW/VAT NR. NL8132.86.281.B01

## List of Harmonized EN Standards

### Directives

General applicable directives: Medical Device Directive (MDD) 93/42/EEC

Standards: EN 60601-1:1990+A1:1993+A2:1995  
EN 60601-1-2: 2007  
EN 60601-1-6: 2007  
EN 980: 2008  
EN 1041: 2008  
EN ISO 14971: 2009  
EN 62366: 2008  
EN ISO 10993-1: 2009  
EN ISO 10993-5: 2009  
EN ISO 10993-10: 2009  
EN 13544-1: 2007 + A1:2009

Place/Date: Kyoto, Japan / April 16, 2012

## Intended Use

### Medical Purpose

This product is intended to be used for inhaling medication for respiratory disorders.

### Intended User

- Legally certified medical experts, such as doctor, nurse and therapist, or healthcare personnel
- Caregiver or patient under the guidance of qualified medical experts for home treatment
- The user should also be capable of understanding general operation of NE-C900 and the content of instruction manual.

### Intended Patients

This product should not be used by patients, who are unconscious or are not breathing spontaneously.

### Environment

This product is intended for use in a medical facility, such as Hospital, clinic and doctor's office, and in a room of general household.

## Particularities



**High-performance Compressor** unit with a new high efficient nebulizer kit called S.S.K (**Smart Structure Kit**). The new designed nebulizer kit contains **just two parts** for an easy preparation and cleaning. The high-output of **7L (Airflow L/min) at 100 kPa (pressure)** fulfills the requirement for a successful Hospital business. The nebulization rate of 0.4 ml/min ensures a fast and convenient treatment of asthma, chronic bronchitis, allergies and other respiratory disorders.

**3 $\mu$ m MMAD** ensures an **efficient lung deposition** at the lower airways.

Easy **one-button operation**, **convenient handle for carrying safely** and **wide medication compliance** are further attributes of this long-life desktop compressor for a fast and convenient inhalation.

The C900 will replace **in medium term** the current C29.

- High-output compressor
- 7L at 100kPa
- Two part S.S.K (Smart Structure Kit) for easy preparation and cleaning
- High nebulization rate 0.4 ml/min
- Wide medication compliance
- Efficient lung deposition at lower airways
- Convenient handle for carrying safely
- Short nebulization times
- Simple one-button operation

## Package Design

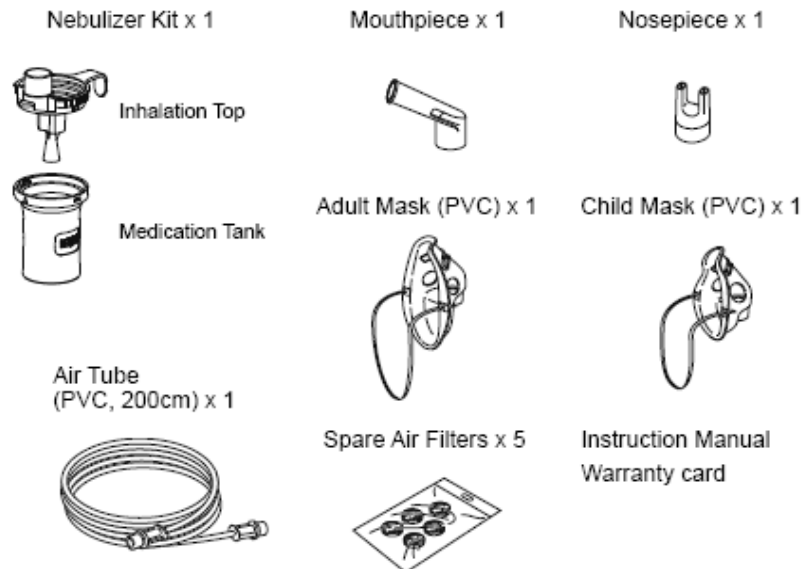


## Packaging Information:

	Dimensions WxDxH	Qty	Weight
Main Unit	175 x 215 x 110 mm	-	2.2kg
Package	272 x 198 x 195 mm	1	3.5kg
Master Carton	576 x 422 x 240 mm	4	12.8kg

## Standard Content:

All the items showed below can be purchased separately with the according order number.

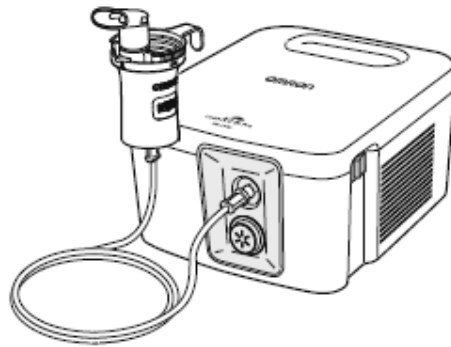


## Accessories

Name	Model	Order No.
Nebulizer Kit & Mouthpiece Set	NEB-NSET3-90E	9520555-5
Adult Mask (PVC)	C28-8-E	9956275-1
Child Mask (PVC)	C28-9-E	9956276-0
Infant Mask (PVC)	NEB-MSSP-E	9520250-5
Adult Mask (SEBS)	U10-1P-E	9956312-0
Child Mask (SEBS) Set	U10-2P-E	9956281-6
Mouthpiece	C28-3P-E	9956273-5
Nosepiece	C28-7-E	9956274-3
Air Tube (PVC, 200cm)	NEB-TP-L20E	9520606-3
Air Filters x 5	C28-2-E	9956271-9

## Instruction Manual Design

OMRON



COMP *A-I-R*. Pro

EN

**Compressor Nebulizer**  
**Model NE-C900**

**Instruction Manual**

All for Healthcare

IM-NE-C900-E-EN-01-02/2012  
1675345-3A

Instruction Manual in Languages: EN, FR, DE, IT, ES, NL, RU, AR

## Technical Specifications

### Technical data

Name:	COMP AIR Pro
Model:	NE-C900 (NE-C900-E)
Type:	Compressor Nebulizer
Rating:	AC 220-240V, 50Hz
Power Consumption:	220VA
Operating Temperature/ Humidity:	+10°C to +40°C / 30% to 85%RH
Storage and Transport Temperature/Humidity/ Air Pressure:	-20°C to +60°C / 10% to 95%RH / 700 - 1060hPa
Weight:	Approx. 2.2kg (compressor only)
Dimensions:	Approx. 175 (W) × 110 (H) × 215 (D) mm (compressor only)
Contents:	Compressor, Nebulizer Kit, Air Tube (PVC, 200cm), Mouthpiece, Nosepiece, Adult Mask (PVC), Child Mask (PVC), 5 pcs Spare Air Filters, Instruction Manual, Warranty Card.
Classification:	Class II equipment, Type B applied part



= Class II  
equipment



= Type B  
applied part



Read the instruction  
manual carefully



= Power off



= Power on

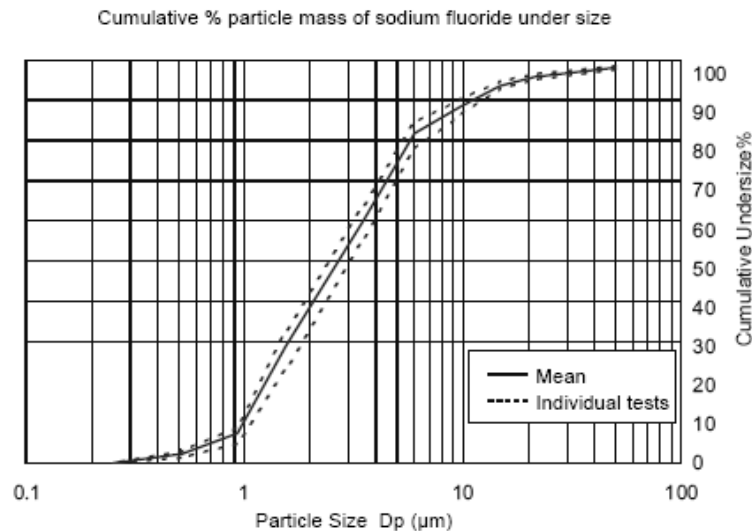
CE 0197



Technical data for the OMRON NE-C900 Compressor with the Nebulizer Kit:

Particle Size:	**MMAD Approx. 3 $\mu$ m MMAD = Mass Median Aerodynamic Diameter
Medication Tank Capacity:	7ml maximum
Appropriate Medication Quantities:	2ml minimum - 7ml maximum
Sound:	*Approx. 55dB
Nebulization Rate:	*Approx. 0.4ml/min (by weight loss)
Airflow/Compressor Output:	*7L/min @100kPa
Aerosol Output:	**0.57ml (2ml, 1%NaF)
Aerosol Output Rate:	**0.08ml/min (2ml, 1%NaF)

Result of cascade impactor measurements for particle size\*\*





\* Measured by OMRON HEALTHCARE Co., Ltd.

\*\* Independently measured by Prof. Dr. Hiroshi Takano, Department of Chemical Engineering and Materials Science, Faculty of Science and Engineering, Doshisha University, Kyoto, Japan, according to EN 13544-1:2007+A1:2009.

#### Notes:

- Subject to technical modification without prior notice.
- This OMRON product is produced under the strict quality system of OMRON HEALTHCARE Co., Ltd., Japan.
- The device may not work if the temperature and voltage conditions are different to those defined in the specifications.
- This device fulfils the provisions of the EC directive 93/42/EEC (Medical Device Directive) and the European Standard EN13544-1:2007+A1:2009, Respiratory therapy equipment - Part1: Nebulizing systems and their components.
- Performance may vary with drugs such as suspensions or high viscosity. See drug supplier's data sheet for further details.
- See website of OMRON HEALTHCARE EUROPE to update technical information.  
URL: [www.omron-healthcare.com](http://www.omron-healthcare.com)

### Comparative Table

Sales Name	NE-C29 (Predecessor)	NE-C900	Note
Item Number	NE-C28-E	NE-C900-E	
Rating (AC adapter)	220-240V, 50/60Hz	220-240V, 50Hz	Different
Power Consumption	192VA	220VA	Higher
Dimensions (W x H x D: mm)	170 x 103 x 182	175 x 110 x 215	Different
Weight	1.9kg (compressor only)	2.2kg (compressor only)	Higher
Nebulization Rate	Approx. 0.4ml/min (by weight loss)	Approx. 0.4ml/min (by weight loss)	Same
Particle Size	MMAD approx. 3µm	MMAD approx. 3µm	Same
Medication Tank Capacity	7ml maximum	7ml maximum	Same
Compressor	AC motor pump	AC motor pump	Same
Child Mask	Yes	Yes	Same
Adult Mask	Yes	Yes	Same
Mouthpiece	Yes	Yes	Same
Storage Bag	Yes	No	Different
Air Filter	5 pcs	5 pcs	Same
Air Tube	Yes	Yes	Same
Nosepiece	Yes	Yes	Same
			

#### Conclusion of Comparison NE-C29 versus NE-C900

The **new model** NE-C900 is a substantial equivalent of its predecessor NE-C29 in terms of Technology, functionality, Used materials, Safety, Reliability, Performance and Clinical application.

## List of Materials

Parts Name	Material	Grade
HOUSING BOTTOM	acrylonitrile butadiene styrene	GP22
HOUSING TOP	acrylonitrile butadiene styrene	GP22
CPA FILTER	acrylonitrile butadiene styrene	EX-120— BUA2022A
FRONT HOUSING	acrylonitrile butadiene styrene	100MPJ
MASK PVC NF(L)	polyvinyl chloride (phthalate free)	NP-3072 75A15B
MASK PVC NF(M)	polyvinyl chloride (phthalate free)	NP-3072 75A15B
NOSE PIECE	polypropylene	MH04
MOUTHPIECE	polypropylene	novatec BC03B
TUBE PVC NF	polyvinyl chloride (phthalate free)	NP-3072 75A15B
INHALATON TOP	polypropylene	M800E
MEDICATION TANK	polypropylene	M800E

## Maintenance and Storage

To keep your device in the best condition and protect the device from damage follow these directions:

### Caution:

- Do not leave the device unattended with infants or persons who cannot express their consent.
- Do not subject the device or the parts to any strong shocks such as dropping the device on the floor.
- Do not carry or leave the nebulizer kit while the medication tank contains medication.

### Notes:

- Do not store the device in extreme hot or cold temperatures, high humidity or under direct sunlight.
- Do not crease or fold the air tube.
- Dispose of the device and any used accessories or optional parts according to applicable local regulations.
- Never clean with benzene, thinner or a flammable chemical.
- Always transport the device in its storage bag, and store the device in the bag if it will not be used for a long period.

## Lifetime

The durable period for the main unit is 5 years; 2ml of medication 10 times a day for 6 minutes each time at room temperature (23°C).

Nebulizer kit and optional parts: 1 year

### **Warranty card text as included in the product**

This product is guaranteed by OMRON for a period of 3 years after the date of purchase. The proper construction, workmanship and materials of this product is guaranteed by OMRON. During this period of guarantee OMRON will, without charge for labour or parts, repair or replace the defect product or any defective parts.

**The guarantee covers only products purchased in Europe, Russia and other CIS countries, Middle East and Africa.**

The guarantee does not cover any of the following:

- a. Transport costs and risks of transport.
- b. Costs for repairs and / or defects resulting from repairs done by unauthorised persons.
- c. Periodic check-ups and maintenance.
- d. Failure or wear of accessories or other attachments other than the main device itself, unless explicitly guaranteed above.
- e. Costs arising due to non-acceptance of a claim (those will be charged for).
- f. Damages of any kind including personal caused accidentally or from misuse.