COMPACT
CPAP

HAROL

Your breathing

Our mission

COMPACT I - HAR

COMPACT II - HAR

COMPACT III - HAR

COMPACT HELMET - HAR

ABOUT US - MISSION

HAROL is the first Italian company that over the past 30 years, thanks to close collaboration with doctors and nurses, has developed various models of technologically advanced interfaces for the patient.

These solutions fully reflect and satisfy the evolution of the operators' needs: **high quality, high performance and maximum reliability combined with compactness and portability, without ever losing sight of patient comfort.**

HAROL

Innovative solutions

We have been on the market for several years with the COMPACT "family".

Compact, practical and adaptable devices for any emergency situation for intra and extra-hospital use.

They allow CPAP therapy even with a single oxygen source, by delivering high flows.

GENERAL FEATURES

	COMPACT I - HAR	COMPACT II - HAR	COMPACT III - HAR
TYPE OF MASK AND HEADGEAR	Mask with inflatable cushion and disposable headgear	Mask with inflatable cushion and disposable headgear	Mask with inflatable cushion and disposable headgear
AVAILABLE SIZES	5 sizes **XS - S - M - L - XL** and color code	5 sizes **XS - S - M - L - XL** and color code	4 sizes **S - M - L - XL**
OXYGEN SUPPLY TUBING FOR STANDARD OPERATIONS	Single O_2 line (port for second line)	Single O_2 line (port for second line)	Double O_2 line
FLOW-METERS FOR STANDARD OPERATIONS	A common 15 LPM (3.5 bar) flow-meter	A common 15 LPM (3.5 bar) flow-meter	Double 30+30 LPM (3.5 bar) flow-meter
FiO_2 % CONCENTRATION	From 40 to 60 O_2 with single line. Integrated manometer for measuring PEEP	From 50 to 60 O_2 with single line. Integrated manometer for measuring PEEP	Adjustable FiO_2 from 30 to 100. Integrated manometer for measuring PEEP
PEEP VALVE	Adjustable from 5 to 15 cmH_2O	Virtual from 3 to 15 cmH_2O	Adjustable from 0 to 20 cmH_2O
NEBULIZER FOR MEDICINES AND MDI PORT	YES	YES	YES
HEPA FILTER	YES	YES	YES

THE BEST SOLUTIONS
FOR EMERGENCY CPAP

COMPACT I - HAR

- **COMPLETE SYSTEM**
  with one-way facemask.
- **COMPACT VENTURI DEVICE**
  works with a single oxygen source.
- **INTEGRATED PEEP VALVE**
  adjustable from 5 to 15 cmH_2O.
- **MANOMETER**
  for measuring PEEP, with integrated anti-suffocation valve.
- **ADJUSTABLE FiO_2**
  from 40 to 60.
- **POSSIBILITY**
  of controlling the HAR-NEB nebulizer system (optional accessory) without the use of an additional oxygen source.
- **MDI PORT**
  for the administration of medicines.
- **ANTIBACTERIAL FILTER**
  for the protection of the patient and health professionals.

TECHNICAL FEATURES

Set. CPAP	5 cmH_2O	6 cmH_2O	7,5 cmH_2O	10 cmH_2O	12,5 cmH_2O	15 cmH_2O
Supply Oxygen	5 LPM	6 LPM	7 LPM	8 LPM	9 LPM	10 LPM
FiO2 %	39 %	43 %	50 %	55 %	57 %	59 %

AVAILABLE PRODUCTS

ITEM NUMBER	SIZE	PACKAGING
CPAP10208	PEDIATRIC	Single packed
CPAP10209	SMALL FOR ADULTS	Single packed
CPAP10210	MEDIUM FOR ADULTS	Single packed
CPAP10211	LARGE FOR ADULTS	Single packed
CPAP10212	EXTRA LARGE FOR ADULTS	Single packed
CPAP10700	VENTURI DEVICE	Single packed

ADVANCED DEVICES
FOR RESPIRATORY ASSISTANCE

COMPACT II - HAR

- **COMPLETE SYSTEM**
  with one-way facemask.
- **COMPACT VENTURI DEVICE**
  works with a single oxygen source.
- **VIRTUAL PEEP VALVE**
  from 3 to 15 cmH_2O.
- **MANOMETER**
  for measuring PEEP.
- **BUILT-IN SAFETY SYSTEM**
  that avoids pressures greater than 15 cmH_2O and ensures greater patient safety.
- **ADJUSTABLE FiO_2**
  from 50% to 60%.
- **POSSIBILITY**
  of controlling the HAR-NEB nebulization system (add-on accessory) without the use of an additional oxygen source.
- **MDI PORT**
  for the administration of medicines.
- **ANTIBACTERIAL FILTER**
  for the protection of the patient and health professionals.

TECHNICAL FEATURES

PEEP	5 cmH_2O	6 cmH_2O	7,5 cmH_2O	10 cmH_2O	12,5 cmH_2O	15 cmH_2O
Main oxygen flow	5 LPM	6 LPM	7 LPM	8 LPM	9 LPM	10 LPM
FiO_2 %	53 %	52 %	52 %	53 %	57 %	60 %

AVAILABLE PRODUCTS

ITEM NUMBER	SIZE	PACKAGING
CPAP20100	PEDIATRIC	Single packed
CPAP20101	SMALL FOR ADULTS	Single packed
CPAP20102	MEDIUM FOR ADULTS	Single packed
CPAP20103	LARGE FOR ADULTS	Single packed
CPAP20104	EXTRA LARGE FOR ADULTS	Single packed
CPAP20700	VENTURI DEVICE	Single packed

TARGETED AND EFFECTIVE SOLUTIONS
FOR NON-INVASIVE VENTILATION

COMPACT III - HAR

- **COMPLETE SYSTEM**
  with two-way facemask.
- **COMPACT VENTURI DEVICE**
  works with a double oxygen source.
- **MANOMETER**
  adjustable from 0 to 20 cmH_2O.
- **MANOMETRO**
  For measuring PEEP.
- **ADJUSTABLE FiO_2**
  from 30% to 100%.
- **POSSIBILITY**
  of controlling the HAR-NEB nebulization system (optional accessory) without the use of an additional oxygen source.
- **ANTIBACTERIAL FILTER**
  for the protection of the patient and health professionals.

TECHNICAL FEATURES

PEEP	5 cmH_2O	7,5 cmH_2O	10 cmH_2O	12,5 cmH_2O	15 cmH_2O	20 cmH_2O
O_2 line flow (transparent tube)	10	12	15	14	15	10
O_2 line flow (green tube)	14	18	14	20	25	28
FiO_2 %	64 %	67 %	60 %	80 %	100 %	100 %

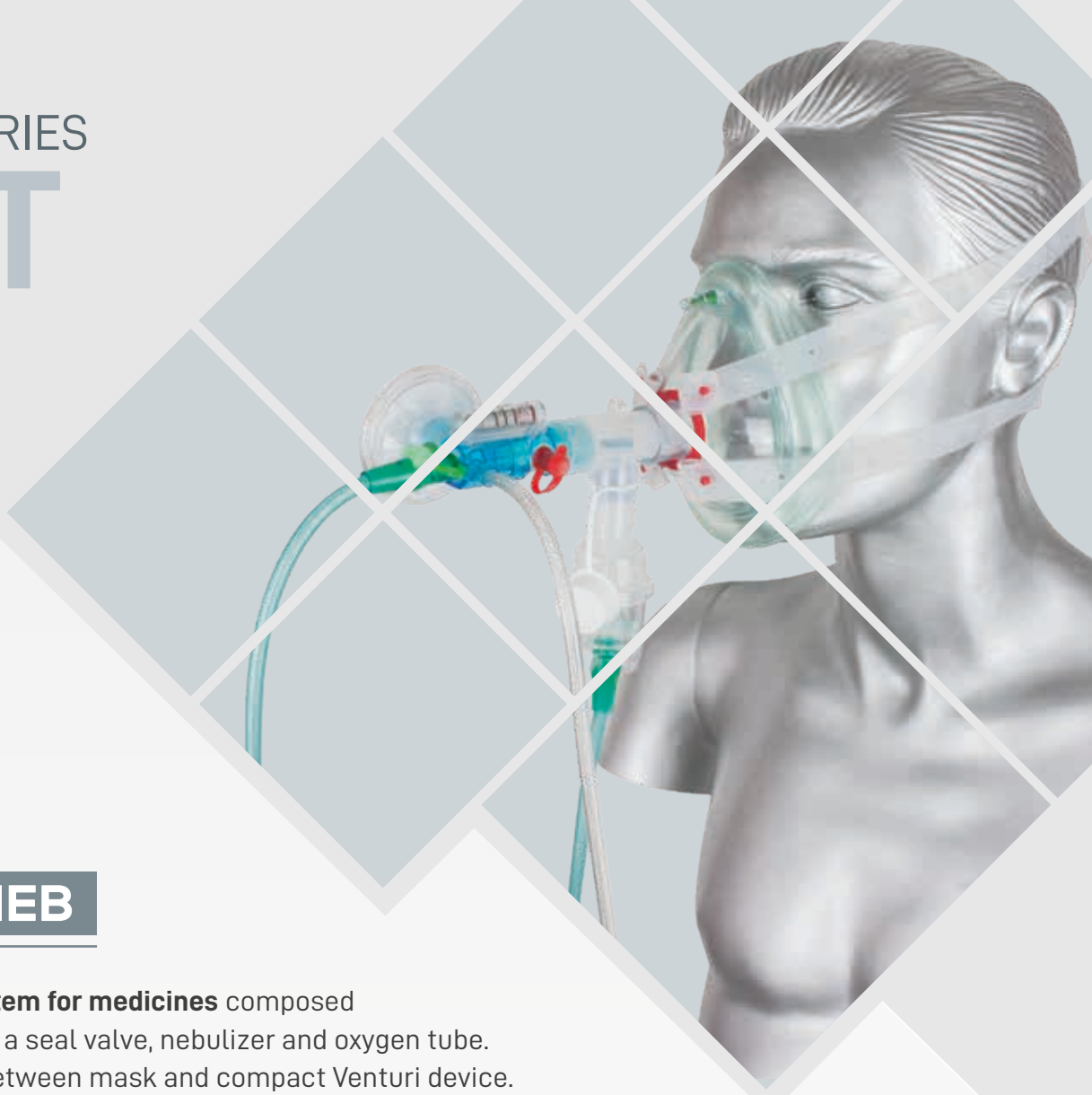
AVAILABLE PRODUCTS

ITEM NUMBER	SIZE	PACKAGING
CPAP20300	PEDIATRIC/SMALL FOR ADULTS	Single packed
CPAP20301	MEDIUM FOR ADULTS	Single packed
CPAP20302	LARGE FOR ADULTS	Single packed
CPAP20303	EXTRA LARGE FOR ADULTS	Single packed

ITEM NUMBER	DESCRIPTION	PACKAGING
9300/D	Double column oxygen flowmeter (30+30 Lt/min)	Single packed

ACCESSORIES

KIT



HAR - NEB

Nebulization system for medicines composed of a T-fitting with a seal valve, nebulizer and oxygen tube. It is connected between mask and compact Venturi device.

SEAL VALVE

on the T-fitting, allows you **to stop the administration of medicines** simply by disconnecting the nebulizer **without having to stop the flow to the patient.**

NEBULIZER

it can be controlled without the use of an additional oxygen source, by directly connecting the nebulizer tube to the Venturi oxygen port.

AVAILABLE PRODUCTS		
ITEM	**ITEM NUMBER**	**PACKAGING**
Nebulization kit	1172-100	Single packed

COMPACT HELMET - HAR

COMPLETE SYSTEM WITH HELMET
for CPAP; it is available with both **silicone** and **polyurethane collar**.

ACCESS PORT OR ZIPPER
for quick access to the patient.

EQUIPPED WITH:
- Bidirectional anti-suffocation valve.
- Two sealed accesses for tubes and cannulas.
- Atraumatic fastening straps.
- Compact Venturi device, operating with double oxygen source.
- PEEP valve from 0 to 20 cmH_2O.
- Adjustable FiO_2.
- Manometer for measuring PEEP
- Earplugs for noise reduction.
- Antibacterial filter for patient protection.

TECHNICAL FEATURES

DESIRED VALUES		VALUES SETTING WITH DOUBLE HAROL FLOWMETER (30 + 30 LPM)		RESULT
PEEP (cmH_2O)	FiO_2 * %	PRIMARY FLOW (LPM) O_2 adjustment knob	SECONDARY FLOW (LPM) FiO_2 adjustment knob	FLOW* (LPM)
5	43 %	15	0	47
	56 %	15	14	55
	68 %	12	22	50
7,5	50 %	17	0	48
	65 %	15	15	52
	73 %	15	22	48
10	65 %	20	0	50
	78 %	17	14	48
	85 %	17	24	53

*The product is also available with silicone collar with pillow and without straps.

THE HELMET IS AVAILABLE IN VARIOUS SIZES DEPENDING ON THE CIRCUMFERENCE OF THE PATIENT'S NECK.

AVAILABLE PRODUCTS

ITEM NUMBER	SIZE	NECK CIRCUMFERENCE	PACKAGING
CPAP10505/**XS**	XS	From 30 to 32 cm	Single packed
CPAP10505/**S**	SMALL	From 35 to 37 cm	Single packed
CPAP10505/**M**	MEDIUM	From 37 to 40 cm	Single packed
CPAP10505/**L**	LARGE	From 40 to 43 cm	Single packed
CPAP10505/**XL**	EXTRA LARGE	From 43 to 45 cm	Single packed
CPAP10505/**XXL**	2X LARGE	From 45 to 50 cm	Single packed
CPAP10505/**3XL**	3X LARGE	More than 50 cm	Single packed

ITEM NUMBER	DESCRIPTION	PACKAGING
9300/D	Double column oxygen flowmeter (30+30 Lt/min)	Single packed

SOLUTIONS FOR HOSPITAL ASSISTED VENTILATION

HAROL

MADE IN ITALY

Via Marcora 53, 20097 - San Donato Milanese (MI) - Italy

+39 02 5272788

info@harol.it | www.harol.it