



*Crystal AIRWAY
FlexCam
Contour
Contour Plus*



*Crystal
Libera
Aria*

*Anesthesia masks
and
Manual resuscitators*

Koo Medical Equipment

Koo Medical Equipment is a multinational company that has been working for many years in the medical industry. Its headquarter and its production unit are located in the Far East.

Our company specializes in the production of medical grade plastic materials. Our staff's commitment and specialized skills are a guarantee for the development and manufacturing of dedicated products for anesthesia and for respiratory support.

Koo Medical Equipment has branches in Europe and Asia. Each branch provides products and services to customers, offers marketing support and is involved in the group research to generate innovative design and manufacturing solutions for new medical devices.

Constant control of raw materials used in our products and effective management of the services offered to our partners are Koo Medical Equipment fundamental pillars.

Each product designed and manufactured by Koo satisfies the most stringent qualitative standards and specifications defined by the medical industry; all products are certified under the Medical Devices Regulation and their classification as Class IIa has been assessed by DNV-GL NEMKO PRESAFE AS-NORWAY-CE2460.

The production plants are ISO 13485:2016/NS-EN-ISO 13485:2016 certified.

By promoting the total quality management philosophy in the production of anesthesia masks the company has become a world-leading manufacturer.

Our commitment to excellence integrates high-quality standard levels across all functions, from product design and development to sales and distribution thus building excellent relationships with our business partners.

Our products are made from PVC materials and are DEHP and BPA free.

CRYSTAL Mask

Vanilla



- Latex free
- BPA free
- DEHP free
- Color-coded hook rings
- 8 sizes available
- Cleanpacked packaging

CRYSTAL™ masks have always been appreciated for their comfort and high safety and quality standards

- **Inflatable air cushion:** anatomic, comfortable, seamless; adapts to the patient's face optimizing the delivery of anesthetic gases and eliminating potential leakage.
- **Inflation valve:** allows for easy and immediate use; equipped with spring and O-ring sealing to prevent leakage during use.
- The PVC layer between the cushion and the shell of the mask evenly distributes the applied forces, improving the peripheral seal of the mask. It reduces the pressure on the patient's face and eliminates potential anesthetic leaks.
- **Structure of the mask** made of flexible PVC for better handling, transparent for optimal visual control of the patient.
- **Color coded hook rings for easy size identification.**
- **The mask is pre-inflated.**
- **Vanilla scented.**
- **Size printed on the mask shell.**

Code	Size	Color code	Weight gr	Dead space	Connector diameter	Items per box
KM-200	Extra Large-7	Transparent	59.5	310 ml	22 mm F	50
KM-201	Large-6	Red	55.5	250 ml	22 mm F	50
KM-202	Medium-5	Yellow	51.0	220 ml	22 mm F	50
KM-203	Small-4	Green	37.5	180 ml	22 mm F	50
KM-204	Child-3	White	27.0	85 ml	22 mm F	50
KM-205	Infant-2	Blue	17.5	45 ml	15 mm M	50
KM-206	Neonate-1	Orange	14.5	25 ml	15 mm M	50
KM-207	Pre-Neonate-0	***	11.0	20 ml	15 mm M	50

CRYSTAL Mask

Strawberry



- Latex free
- BPA free
- DEHP free
- Color-coded hook rings
- 8 sizes available
- Cleanpacked packaging

CRYSTAL™ masks have always been appreciated for their comfort and high safety and quality standards

- **Inflatable air cushion:** anatomic, comfortable, seamless; adapts to the patient's face optimizing the delivery of anesthetic gases and eliminating potential leakage.
- **Inflation valve:** allows for easy and immediate use; equipped with spring and O-ring sealing to prevent leakage during use.
- The PVC layer between the cushion and the shell of the mask evenly distributes the applied forces, improving the peripheral seal of the mask. It reduces the pressure on the patient's face and eliminates potential anesthetic leaks.
- **Structure of the mask** made of flexible PVC for better handling, transparent for optimal visual control of the patient.
- **Color coded hook rings for easy size identification.**
- **The mask is pre-inflated.**
- **Strawberry scented.**
- **Size printed on the mask shell.**

Code	Size	Color code	Weight gr	Dead space	Connector diameter	Items per box
KM-200S	Extra Large-7	Transparent	59.5	310 ml	22 mm F	50
KM-201S	Large-6	Red	55.5	250 ml	22 mm F	50
KM-202S	Medium-5	Yellow	51.0	220 ml	22 mm F	50
KM-203S	Small-4	Green	37.5	180 ml	22 mm F	50
KM-204S	Child-3	White	27.0	85 ml	22 mm F	50
KM-205S	Infant-2	Blue	17.5	45 ml	15 mm M	50
KM-206S	Neonate-1	Orange	14.5	25 ml	15 mm M	50
KM-207S	Pre-Neonate-0	***	11.0	20 ml	15 mm M	50

LIBERA Mask



- Latex free
- BPA free
- Phthalates free
- Color-coded hook rings
- 8 sizes available
- Cleanpacked packaging

CRYSTAL™ LIBERA masks have always been appreciated for their comfort and high safety and quality standards

- **Completely free from phthalates tested in accordance with UNI EN 14372 method**
- **Inflatable air cushion:** anatomic, comfortable, seamless; adapts to the patient's face, optimizing the delivery of anesthetic gases and eliminating potential leakage.
- **Blue inflation valve:** allows for easy and immediate use; equipped with spring and O-ring sealing to prevent leakage during use.
- **The PVC layer** between the cushion and the shell of the mask evenly distributes the applied forces, improving the peripheral seal of the mask. It reduces the pressure on the patient's face and eliminates potential anesthetic leaks.
- **Structure of the mask:** made of flexible PVC for better handling, transparent for optimal visual control of the patient.
- **Color coded hook rings for easy size identification.**
- **The mask is pre-inflated.**
- **Size printed on the mask shell.**

Code	Size	Color code	Weight gr	Dead space	Connector diameter	Items per box
KM-200P	Extra Large-7	Transparent	59.5	310 ml	22 mm F	50
KM-201P	Large-6	Red	55.5	250 ml	22 mm F	50
KM-202P	Medium-5	Yellow	51.0	220 ml	22 mm F	50
KM-203P	Small-4	Green	37.5	180 ml	22 mm F	50
KM-204P	Child-3	White	27.0	85 ml	22 mm F	50
KM-205P	Infant-2	Blue	17.5	45 ml	15 mm M	50
KM-206P	Neonate-1	Orange	14.5	25 ml	15 mm M	50
KM-207P	Pre-Neonate-0	***	11.0	20 ml	15 mm M	50

ARIA Mask



- Latex free
- BPA free
- DEHP free
- Color-coded hook rings
- 7 sizes available
- Cleanpacked packaging

ARIA masks have always been appreciated for their comfort and high safety and quality standards

- **Inflatable air cushion:** anatomic, comfortable, seamless; adapts to the patient's face, optimizing the delivery of anesthetic gases and eliminating potential leakage.
- **Inflation valve:** allows for easy and immediate use; equipped with spring and O-ring sealing to prevent leakage during use.
- **Structure of the mask:** made of flexible PVC for better handling, transparent for optimal visual control of the patient.
- **Eco-Friendly:** the plastic quantity for the production of the mask has been reduced by one third.
- **The air cushion film** is made from highly biocompatible materials.
- **Color coded hook rings for easy size identification.**
- **Transparent shell for constant monitoring of the patient.**
- **The mask is pre-inflated.**
- **Size printed on the mask shell.**

Code	Size	Color code	Weight gr	Dead space	Connector diameter	Items per box
KM-320	Extra Large-7	Transparent	59.5	310 ml	22 mm F	50
KM-321	Large-6	Red	55.5	250 ml	22 mm F	50
KM-322	Medium-5	Yellow	51.0	220 ml	22 mm F	50
KM-323	Small-4	Green	37.5	180 ml	22 mm F	50
KM-324	Child-3	White	27.0	85 ml	22 mm F	50
KM-325	Infant-2	Blue	17.5	45 ml	15 mm M	50
KM-326	Neonate-1	Orange	14.5	25 ml	15 mm M	50

CRYSTAL AIRWAY MASK

Laryngeal Mask



- Very soft and atraumatic cuff perfectly adapts to the tissues preventing possible microtraumas.
- Extra thickness on rear cuff allows for easier insertion and avoids incorrect positioning.
- Cuff inflation line integrated in the ventilation tube.
- Anatomically curved ventilation tube.
- High inner volume cuff avoids possible obstructions.
- Latex free, DEHP free and BPA free.
- Easy and safe to use.
- Sterile packaging.
- 7 sizes available.
- Color-coded

*Inflation valve with spring and O-ring sealing ensures inflation pressure maintenance and prevents leaks.
Cuff pressure control balloon made of soft PVC for greater sensitivity in managing the inflation pressure.*

Code	Size	Patient weight (kg)	Max. cuff volume (ml)	Max. cuff pressure	Connector diameter	Item per box
KM-817	5	70/100	48	< 60 cm H ₂ O	15mm M	10
KM-827	4	50/70	35	< 60 cm H ₂ O	15mm M	10
KM-837	3	30/50	20	< 60 cm H ₂ O	15mm M	10
KM-847	2,5	20/30	15	< 60 cm H ₂ O	15mm M	10
KM-857	2	10/20	10	< 60 cm H ₂ O	15mm M	10
KM-867	1,5	5/10	7	< 60 cm H ₂ O	15mm M	10
KM-877	1	< 5	5	< 60 cm H ₂ O	15mm M	10

CRYSTAL FlexCam

Laryngeal Mask



- Very soft and atraumatic cuff perfectly adapts to the tissues preventing possible microtraumas.
- Extra thickness on rear cuff allows for easier insertion and avoids incorrect positioning.
- Cuff inflation line integrated in the ventilation tube.
- Anatomically curved ventilation tube.
- High-inner-volume cuff avoids possible obstructions.
- Longer ventilation tube with steel wire reinforcement ensures patency during surgical procedures that require particularly angled tube positioning.
- Specially indicated for ENT, maxillofacial, ophthalmic, odontostomatology procedures and for all those surgeries requiring specific patient posture.
- Latex free, DEHP free and BPA free.
- Easy and safe to use.
- Sterile packaging.
- 5 sizes available.
- Color-coded

*Inflation valve with spring and O-ring sealing ensures inflation pressure maintenance and prevents leaks.
Cuff pressure control balloon made of soft PVC for greater sensitivity in managing the inflation pressure.*

Code	Size	Patient weight (kg)	Max. cuff volume (ml)	Max. cuff pressure	Connector diameter	Item per box
KM-818	5	70/100	48	< 60 cm H ₂ O	15mm M	10
KM-828	4	50/70	35	< 60 cm H ₂ O	15mm M	10
KM-838	3	30/50	20	< 60 cm H ₂ O	15mm M	10
KM-848	2,5	20/30	15	< 60 cm H ₂ O	15mm M	10
KM-858	2	10/20	10	< 60 cm H ₂ O	15mm M	10

CONTOUR PLUS

Curved with integrated gastric access



Curved Laryngeal Mask with integrated gastric access

- DEHP and PBA free.
- Latex-free.
- Made of medical grade PVC
- Soft and non-traumatic laryngeal protector avoids lesions and ensure proper hold and ventilation.
- Extra thickness on rear cuff allows for easier insertion and positioning of the device.
- Anatomically designed cuff.
- Inner protection ring.
- Gastric access.
- Possible intubation with standard ETT assisted by a flexible scope for visual control.
- Bite included.
- Curved.
- Sterile packaging.
- Single patient use.
- 8 sizes available, color-coded label.

Code	Size	Patient weight (kg)	Max. cuff volume (ml)	Max. cuff pressure	Max. gastric tube diameter	Connector diameter	Item per box
KM-815	6	>100	65	< 60 cm H ₂ O	14 CH	15 mm M	10
KM-825	5	70/100	55	< 60 cm H ₂ O	14 CH	15 mm M	10
KM-835	4	50/70	35	< 60 cm H ₂ O	14 CH	15 mm M	10
KM-845	3	30/50	25	< 60 cm H ₂ O	14 CH	15 mm M	10
KM-855	2,5	20/30	15	< 60 cm H ₂ O	10 CH	15 mm M	10
KM-865	2	10/20	10	< 60 cm H ₂ O	10 CH	15 mm M	10
KM-875	1,5	5/10	7	< 60 cm H ₂ O	6 CH	15 mm M	10
KM-885	1	< 5	5	< 60 cm H ₂ O	6 CH	15 mm M	10

CONTOUR Curved



Curved Laryngeal Mask

- DEHP and PBA free.
- Latex-free.
- Made of medical grade PVC
- Soft and non-traumatic laryngeal protector avoids lesions and ensure proper hold and ventilation.
- Extra thickness on rear cuff allows for easier insertion and positioning of the device.
- Anatomically designed cuff.
- Inner protection ring.
- Curved.
- Sterile packaging.
- Single patient use.
- 8 sizes available, color-coded label.

Code	Size	Patient weight (kg)	Maximum cuff volume (ml)	Maximum cuff pressure	Connector diameter	Item per box
KM-816	6	>100	65	< 60 cm H ₂ O	15 mm M	10
KM-826	5	70/100	48	< 60 cm H ₂ O	15 mm M	10
KM-836	4	50/70	35	< 60 cm H ₂ O	15 mm M	10
KM-846	3	30/50	20	< 60 cm H ₂ O	15 mm M	10
KM-856	2,5	20/30	15	< 60 cm H ₂ O	15 mm M	10
KM-866	2	10/20	10	< 60 cm H ₂ O	15 mm M	10
KM-876	1,5	5/10	7	< 60 cm H ₂ O	15 mm M	10
KM-886	1	< 5	5	< 60 cm H ₂ O	15 mm M	10

Manual Resuscitator Bags



- Manual resuscitator bag made of PVC and polycarbonate, DEHP free.
- Latex Free
- *With new safety valve integrated in the Resuscitator*
- Adults 1700 ml volume
- Pediatric 700 ml volume
- Infant 300 ml volume
- Single patient use



Single kit with carrying bag containing:

manual resuscitator bag, oxygen tube, reservoir, pressure relief pop-off valve and Crystal mask

Code	Description	Size	Mask size	Pressure relief valve	Items per box
KM-806AN	Manual resuscitator bag	Adult	KM-202 Medium	60 cm H ₂ O	10
KM-807AN	Manual resuscitator bag	Pediatric	KM-204 Pediatric	40 cm H ₂ O	10
KM-808AN	Manual resuscitator bag	Infant	KM-205 Infant	40 cm H ₂ O	10

Manual Resuscitator Bag



- Resuscitator in PVC and polycarbonate, DEHP free.
- Latex Free
- Adults 1700 ml volume
- Pediatric 700 ml volume
- Infant 300 ml volume
- Single patient use

Single kit with carrying bag containing:

manual resuscitator bag, oxygen tube, reservoir, pressure relief pop-off valve and Crystal mask.

Code	Description	Size	Mask size	Pressure relief valve	Items per box
KM-806A	Manual resuscitator bag	Adult	KM-202 Medium	60 cm H ₂ O	10
KM-807A	Manual resuscitator bag	Pediatric	KM-204 Pediatric	40 cm H ₂ O	10
KM-808A	Manual resuscitator bag	Infant	KM-205 Infant	40 cm H ₂ O	10

Manual Resuscitator Bag



- Resuscitator in PVC and polycarbonate, DEHP free.
- Latex Free.
- Adults 1700 ml volume.
- Pediatric 700 ml volume.
- Infant 300 ml volume.
- Single patient use.

Single kit with carrying bag containing:

resuscitator bag, oxygen tube, reservoir, with pressure relief pop-off valve, without Crystal mask

Code	Description	Size	Pressure relief valve	Items per box
KM-8062	Manual resuscitator bag	Adult	60 cm H ₂ O	10
KM-8072	Manual resuscitator bag	Pediatric	40 cm H ₂ O	10
KM-8082	Manual resuscitator bag	Infant	40 cm H ₂ O	10

Manual Resuscitator Bag



- Resuscitator in PVC and polycarbonate, DEHP free.
- Latex Free.
- With Peep valve adapter.
- **Peep Valve not included**
- Adults 1700 ml volume
- Pediatric 700 ml volume
- Infant 300 ml volume
- Single patient use

Single kit containing:

resuscitator bag, oxygen tube, reservoir, pressure relief pop-off valve, with Peep valve adapter **without Crystal mask**

Code	Description	Size	Pressure relief valve	Items per box
KM-8061	Manual resuscitator bag	Adult	60 cm H ₂ O	10
KM-8071	Manual resuscitator bag	Pediatric	40 cm H ₂ O	10
KM-8081	Manual resuscitator bag	Infant	40 cm H ₂ O	10

EC CERTIFICATE

Full Quality Assurance System

Certificate No.: 10017-2017-CE-BGC-NA-PS Rev. 1.0

Project No.: PRC-144900-2009-PRC-CHN

Valid Until: 24 May 2024

This is to certify that the quality system of:

Koo Medical Equipment (Shanghai) Co., Ltd.

100 Zhongde Road, Xiaokunshan Town, Songjiang, Shanghai 201614, P. R. China

For design, production and final product inspection/testing of:
**NON-STERILE MEDICAL DEVICES FOR ANESTHESIA,
RESPIRATORY AND CRITICAL CARE**

Has been assessed with respect to:
**THE CONFORMITY ASSESSMENT PROCEDURE DESCRIBED IN
ANNEX II EXCLUDING SECTION 4 OF COUNCIL DIRECTIVE
93/42/EEC ON MEDICAL DEVICES, AS AMENDED**

and found to comply.

Further details of the product(s) and conditions for certification are given overleaf.

Place and date:
Havik, 25 May 2020



For:
DNV GL PRESAFE AS
Notified Body No.: 2460
Eugenie Wingardhusen
Eugenie Wingardhusen

The certificate is digitally verified by blockchain technology. For more info, see www.dnvgl.com/asset/asset/certificates-on-blockchain.html



Notice: The Certificate is subject to terms and conditions as set out in the Certification Agreement. Failure to comply may render this Certificate invalid.
NOTIFIED BODY: DNV GL PRESAFE AS, Vestadveien 5, N-1363 Havik, Norway - Registered Enterprise No: NO 997 067 401 MVA

MSD-CD-070-A Rev 0.0

Page 1 of 4

MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 248994-2017-AQ-BGC-NA-PS Rev. 2.0

Project No.: PRC-101920-2008-MS-CHN

Initial Certification Date: 20 December 2008

Valid Until: 07 March 2024

This is to certify that the management system of:

Koo Medical Equipment (Shanghai) Co., Ltd.
100 Zhongde Road, Xiaokunshan Town, Songjiang, Shanghai 201614, P. R. China
(Unicode: 91310000607397913Q)

Complies with the requirements of:
ISO 13485:2016/NS-EN ISO 13485:2016

The Certificate is valid for the following scope:
**DESIGN, MANUFACTURE, SALES AND DISTRIBUTION OF
NON-STERILE MEDICAL DEVICES FOR ANESTHESIA,
RESPIRATORY AND CRITICAL CARE**

Place and date:
Havik, 02 February 2021



For:
DNV GL PRESAFE AS

Tone Holpus
Tone Elise Holpus

The certificate is digitally verified by blockchain technology. For more info, see www.dnvgl.com/asset/asset/certificates-on-blockchain.html



Notice: The Certificate is subject to terms and conditions as set out in the Certification Agreement. Failure to comply may render this Certificate invalid.
ACCREDITED UNIT: DNV GL PRESAFE AS, Vestadveien 5, N-1363 Havik, Norway - Registered Enterprise No: NO 997 067 401 MVA

MSD-CD-043-A, Ver. 1.0

Page 1 of 1



www.koomedical.com

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