



**HEMOCARE**



**EMERGENCY MEDICAL SERVICE**



**HOSPITAL**



Dear Ladies and Gentlemen,  
Valued Customers and Partners,

We are glad to present our new catalogue, which not only features our proven products and current data but also a wide range of new products and innovative developments.

This year, we are celebrating an important anniversary: Our company marks **30 years of successful development and sales of high quality medical and textile products**. We would therefore like to sincerely thank you for your continued trust and the successful collaboration with HUM. Together, we have mastered significant challenges and both initiated and driven groundbreaking innovations.

Our main focus is on two central components:

**Highest product quality:** Our quality management system complies with the requirements of DIN EN ISO 13485 and is continuously optimized to guarantee products of the highest safety and reliability.

**Customer satisfaction:** Your needs are at the heart of everything we do. Through regular feedback and audits, we ensure that our products and services not only meet but exceed your expectations.

Additionally, with our AERO brands, we have developed innovative and complementary solutions distinguished by outstanding quality and functionality. Our product range in the areas of **Homecare, Emergency Medical Service and Hospital** is continuously expanded and adapted to market needs.

Beyond medical technology, another key focus lies in textile technology. In our last catalogue, we introduced our subsidiary in Bielefeld – our manufacturing facility for premium "Made in Germany" bags and transport cases. Now fully integrated into HUM, this allows us to further expand our range. As an OEM service provider and technology consultant for technical textile systems, we provide customized solutions beyond the well-known AEROcase® – Emergency Backpacks and Bags, tailored precisely to your individual needs in **Industrial, Tactical and Lifestyle** applications.

If you have any questions, we will be on hand as usual to provide you with expert advice. Our goal is to continue supplying you with high quality products that meet medical standards at competitive prices. We look forward to continuing our shared success with you, our valued partners and customers!

Best regards,



**Dietmar Uhlenbruch**  
CEO



**ppa. Daniel Schnabel**  
Head of Quality Management  
Operations Manager



**ppa. Jan F. Uhlenbruch**  
Head of Marketing  
Deputy Operations Manager

Your customer number

.....

## New Products und Explanation of Symbols

The following symbols inside our catalogue provide a quick overview of the assignment of our products to the application areas. Furthermore, product-specific details regarding status and further affiliation are indicated. We have also highlighted additional options for inquiries for your convenience!



[Here you can find our new products!](#)

**NEW PRODUCT**



Homecare



Emergency Medical Service



Hospital

QTY: XX



Upon request

Spare Parts

Accessories

Discontinued item

## Table of Contents

AEROvent®		Medical Filters	
7   12			
7	Overview	12	Fine and Foam Device Filters Home Ventilation Devices
8 - 9	Device Protection Filters	12	Heat and Moisture Exchanger (HME) Artificial Nose
9	Final Bacteria Filters   Oxygen Concentrators		
9 - 10	Bacterial and Viral Filters   Ventilation Filters		
10	Foam Device Filters   Oxygen Concentrators		
11	Hypoallergenic Filters   Fine and Foam Device Filters nCPAP and BiPAP / Bilevel Devices		

AEROtube®		Airway Management   Ventilation Management	
13   19			
13	Overview	17	Test Lung
14	Metal Laryngoscope Blades and Handles	17	Laryngeal Masks
15	Universal CPAP Breathing Tubes and Accessories for CPAP Therapy	18	Endotracheal Tubes
16	Tubing Connectors	19	Intubation Stylets
16	Universal IPPB Tubing System	19	Guedel Tubes
16	Catheter Mounts		

AERoresc®		Immobilization	
20   22			
20	Overview	22	EASY Collar Adult   Mini Cervical Collar
21	EASY Splint - Universal Splints		

AEROcheck®		Pulse Oximetry   Diagnostics	
23   35			
23	Overview	33	Masimo - Sensors   Accessories and Spare Parts
24	Fingertip Pulse Oximeter	33	Diagnostic Lamp
25 - 26	Pulse Oximeters 801+ and sat 805	34	Stethoscopes   Single Head and Dual Head
27 - 31	Masimo - Sensors (RD SET   LNCS®)	34	Neurological Reflex Hammer
32 - 33	Masimo - Patient Cables and Adapters	35	Aneroid Sphygmomanometers

AEROCASE®		Emergency and Transport Cases	
36   72			
36	Overview	<b>EMS</b>	
<b>EMS+</b>		52	Introduction EMS
37 - 39	Introduction EMS+	53 - 56	Emergency Backpacks EMS
40	Emergency Backpacks EMS+	57	Emergency Bags EMS
40	Emergency Bag EMS+	58 - 59	Overview MEDpacks
41	Overview Modular Bags and Containers	60 - 63	Emergency Bags EMS
42 - 43	Modular System EMS+	<b>1R</b>	
44	Overview Modular System 3.0 EMS+	64	Introduction 1R
45	EASY Click - Ampoule Rail System	65 - 67	Emergency Backpacks 1R
46 - 48	Special Equipment EMS+	68 - 72	Emergency Bags 1R
49 - 51	Personal Equipment EMS+		

**FEROfusion** First Aid | Tourniquets 



73 | 74

73	Overview	74	One-Handed Tourniquet
----	----------	----	-----------------------

**FEROuse** First Aid | Infection Protection 



75 | 77

75	Overview	77	Instant Cold Compress
76	EASY Gloves   Single Use Gloves Nitrile	77	Rescue Sheet GS1

**FEROway®** Pressure Reducers | Flow Regulators | Flowmeters | Inhalation Systems 



78 | 97

78	Overview	88	Maintenances
79 - 80	Fine-ZGA   Flowmeters	89	Spare Parts for Pressure Reducers
81	Fine Pressure Reducers	89 - 90	Adapters, Blind Caps and Barbed Hose Adapters
81 - 83	Fast Pressure Reducers	91 - 92	Couplings, Plugs and Connection Pieces
84 - 85	Fast-ZGA   Flow Regulators	93 - 94	Distribution Bars
86 - 87	Fast® ZGA   Flow Regulators	94	Pressure Tubings
88	Fix II Pressure Reducers	95 - 97	Air Liquide Healthcare - Inhalation Systems

**FEROprotective®** Infection Protection | Patient Safety 



98 | 99

98	Overview	99	Medical Face Mask Type IIR
----	----------	----	----------------------------

**FEROtreat®** Components for Oxygen Treatment 



100 | 105

100	Overview	104	Carrying Devices
101	Components for Oxygen Treatment Portable - with Bag	105	Accessories and Spare Parts
102 - 104	Components for Oxygen Treatment   Mobile		

**FERObag®** Manual Resuscitation | Resuscitation Devices 



106 | 112

106	Overview	110 - 111	Accessories - Resuscitation Masks
107	Manual Resuscitator Sets   SEBS	111	Hyperventilation Mask
108	Manual Resuscitator Sets   Silicone	111	CPR Face Shields
109	Accessories - Resuscitators	112	Pocket Masks
110	Resuscitation Masks Silicone   PVC		

## AEROSuc®

Suction Devices Manual | Pneumatic | Electric 

113 | 124

113	Overview	221	Brackets and Quiver Sets
114	Rescue - Manual Suction Pump	222	Suction Catheters
115	VacUp - Foot Suction Pump	222	Suction Connection Tubing Suction Interrupters
116	Components for Suction Devices Portable and Mobile - Pneumatic	223 - 224	Electric Suction Devices EASY Home 1 und 2
117 - 119	Vacuum Regulators and Suction Injectors		
120	Suction Containers   Containers and Lids		

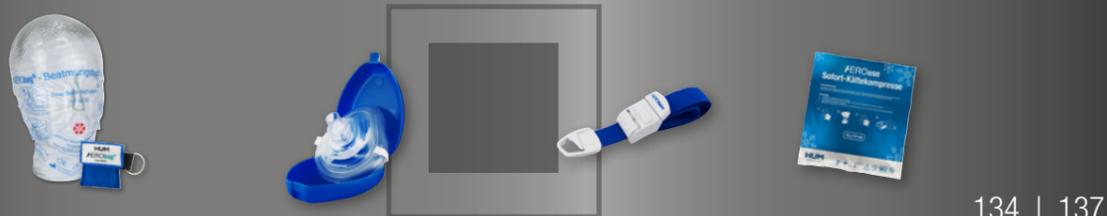
## AEROpART®

Oxygen Therapy 

125 | 133

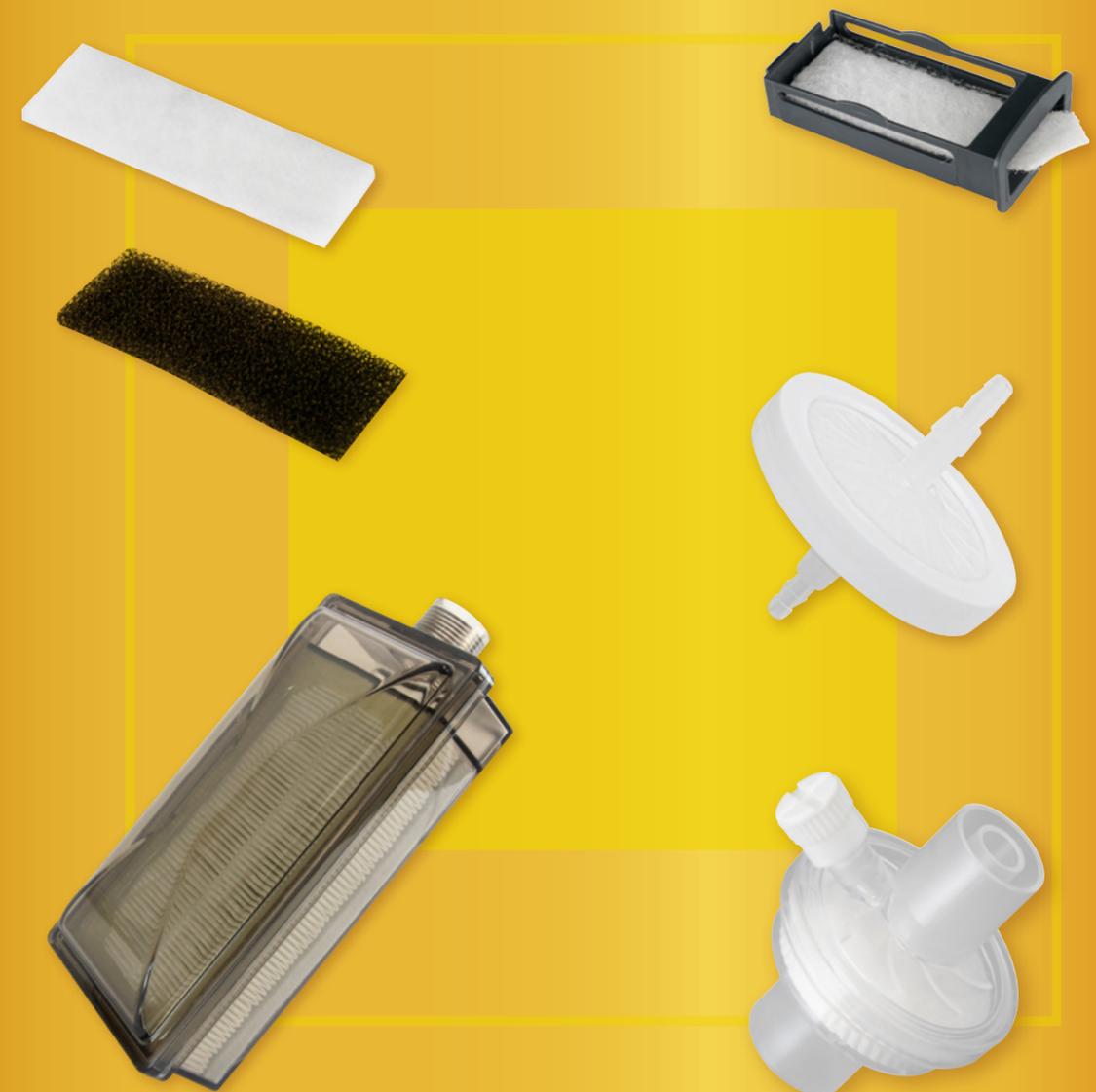
125	Overview	130	Oxygen Safety Tubings
126 - 127	Pressurised Gas Cylinders (O <sub>2</sub>   AIR   N <sub>2</sub> O   CO <sub>2</sub> )	131	Barbed Hose Adapters and Tubing Connectors
128 - 129	Oxygen Cannulas	132	Bubble Humidifiers
129	Oxygen Masks	132 - 133	Sterile Water and Sterile Water Systems
130	Aerosol Inhalation Sets	133	Holder
130	Venturi Masks		

## HUM Customized

Your Individual Product 

134 | 137

134	Overview	136	One-Handed Tourniquet
135	Order Information	137	Instant Cold Compress
135	CPR Face Shields		



AEROvent® is our wide range of medical filters of highest quality with an excellent price-performance ratio. The protection of patient, user and device is of prime importance here.

#### AEROvent® – Device Protection Filters for Suction Devices | Oxygen Concentrators | nCPAP Devices Home Ventilation Devices

We offer you different device protection filters, specially developed for the respective requirements of the application in ventilation, aerosol and oxygen therapy, spirometry and suction. Whether filters, foam or fine filter mats, felt discs, silencers and more - our assortment offers you a wide variety of solutions.

#### AEROvent® – Bacterial and Viral Filters | Ventilation Filters

Our program includes electrostatic bacterial and viral filters, also with HME function, as well as mechanical bacterial and viral filters with folded hydrophobic membrane. The filters offer reliable protection against contamination, combined with gentle breathing gas conditioning. "Slimline" filters complete our product range accordingly.

## AEROvent® – Device Protection Filters | Suction Devices

Bacterial and viral filters for suction devices, reliable protection against contaminated air and penetration of liquids into the device interior.

- High performance
- Hydrophobic PTFE membrane
- Combined or conical connections
- Suitable for "high flow" applications
- Individually packed

Filtration efficiency: Bacteria | Viruses 99.9999 %



Max. Flow	Housing Ø	Connections both sides	Packaging	Order Number
30 l/min	65 mm	5 - 9.8 mm, combined	SU = 50 pcs.	① HAF01-K
40 l/min	65 mm	11 mm, conical	SU = 50 pcs.	② HAF02-K
60 l/min	90 mm	11 mm, conical	SU = 50 pcs.	③ HAF02-K-HF

## AEROvent® – Device Protection Filters | Oxygen Concentrators (HEPA Filters)

Mechanical intake filters / HEPA filters (High Efficiency Particulate Air Filters) for almost all common oxygen concentrators.

- High or outstanding flow capacity
- Low resistance
- High effectiveness against particles
- Individually packed

Filtration efficiency: Bacteria | Viruses > 99.9999 %

Filtration efficiency: Bacteria | Viruses > 99.999 %



Filter for DeVilbiss 525DS

Filtration efficiency: Bacteria | Viruses > 99.99 %

Filtration efficiency: Bacteria | Viruses > 99.9 %



Filter for Invacare® – Oxygen Concentrators\*  
Platinum™ 5 | Platinum™ 10 | Mobilair™ | Perfecto2™

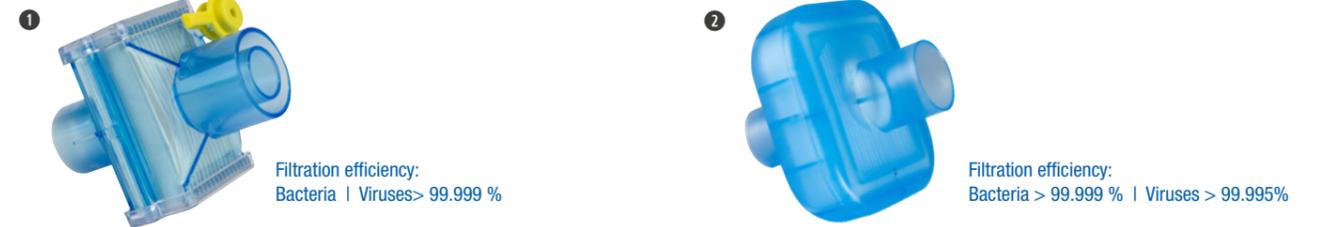
Filter for Respiration Oxygen Concentrators EverFlo™

Device	Resistance	Connections both sides	Packaging	Order Number
For almost all common oxygen concentrators	1.40 mbar at 30 l/min   Ø	22M - 22F (ISO)	SU = 50 pcs.	① HGF01-INTAKE
For almost all common oxygen concentrators	< 0.32 mbar at 10 l/min	22M - 22F (ISO)	SU = 1 pc.	② HGF11-INTAKE
DeVilbiss Compact 525	< 9.90 mbar at 47 l/min	22M (ISO)	SU = 1 pc.	③ HGF12-INTAKE
Invacare® Devices*	Approx. 1.314 mbar at 10 l/min	22M AD - 3/8" FNPT	SU = 1 pc.	④ HGF12-INTAKE-I
Respiration Everflo	< 1.27 mbar at 10 l/min	12.72 mm	SU = 1 pc.	⑤ HGF12-INTAKE-R-EF

## AEROvent® – Device Protection Filters

### Device Protection Filters Pall | Oxygen Concentrators

Mechanical intake filters Pall BB25 and BB50. with folded hydrophobic membrane, transparent housing, individually packed.



Filtration efficiency:  
Bacteria | Viruses > 99.999 %

Filtration efficiency:  
Bacteria > 99.999 % | Viruses > 99.995 %

Device	Resistance	Connections		Packaging	Order Number
		Patient side	Machine side		
For almost all common oxygen concentrators	Approx. 3.43 mbar at 60 l/min	15 mm ID   22 mm OD	22 mm ID   15 mm OD	SU = 1 pc.	① HGF01-25
For almost all common oxygen concentrators	Approx. 2.5 mbar at 60 l/min	15 mm ID   22 mm OD	22 mm ID	SU = 50 pcs.	② HGF01-U50

## AEROvent® – Final Bacteria Filters | Oxygen Concentrators

Final bacteria filter for almost all common oxygen concentrators, with conical connections, housing made of polypropylene, individually packed.



Filtration efficiency: Bacteria | Viruses > 99.99 %

Device	Connections both sides	Weight	Packaging	Order Number
For almost all common oxygen concentrators	3.175 - 6.35 mm	Approx. 18 g	SU = 1 pc.	HBAF11-K

## AEROvent® – Bacterial and Viral Filters with HME | Ventilation Filters

Electrostatic bacterial and viral filters with heat and moisture exchanger (HME) with Luer-Lock port for filtration as well as heating and humidification of the respiratory air. With translucent housing for good moisture control.

- Ideal electrostatic filtration
- Optimal humidification and filtration performance
- With Luer-Lock port for CO<sub>2</sub> measurement
- For adults ①, children ② and neonates ③

Filtration efficiency: Bacteria 99.998 % | Viruses 99.96 %    Filtration efficiency: Bacteria 99.99 % | Viruses 99.96 %    Filtration efficiency: Bacteria 99.998 % | Viruses 99.96 %



**NEW PRODUCT**

Tidal volume (VT)	Moisture output	Resistance	ISO connections	Internal volume	Weight	Packaging	Order Number
150 - 1500 ml	39 mg H <sub>2</sub> O/l at VT 1000 ml	0.79 mbar at 30 l/min	22 mmM - 15/22 mmMF	55 ml	Approx. 33.5 g	SU = 50 pcs.	① HBF21-HFLS
75 - 300 ml	28.6 mg H <sub>2</sub> O/l at VT 250 ml	2.94 mbar at 15 l/min	22F-15M / 22M-15F	29 ml	Approx. 22 g	SU = 75 pcs.	② HBF21-HFLP
> 35 ml	30.1 mg H <sub>2</sub> O/l at VT 50 ml	0.68 mbar at 7.5 l/min	15M - 15F	10 ml	Approx. 9.5 g	SU = 75 pcs.	③ HBF21-HFLN

### AEROvent® – Bacterial and Viral Filters “Slimline” | Ventilation Filters

Electrostatic bacterial and viral filters for use in ventilation tubing systems for anesthesia and intensive care. Transparent housing for easy visualisation of potential blockages, individually packed.

- Slim and light-weight design - low tensile forces on patient connection
- Very low internal volume minimises risk of CO<sub>2</sub> rebreathing
- High efficiency filtration performance
- With or without Luer-Lock port for CO<sub>2</sub> measurement

Filtration efficiency: Bacteria > 99.998 % | Viruses > 99.96 %



Tidal volume (VT)	Resistance	ISO connections	Internal volume	Luer-Lock	Weight	Packaging	Order Number
150 - 1500 ml	0.49 mbar at 30 l/min	22 mmM - 15/22 mmMF	45 ml	yes	Approx. 21 g	SU = 50 pcs.	1 HBF21-BFLS
		22F-15M   15F-22M	77 ml	yes	Approx. 23.7 g	SU = 50 pcs.	2 HBF21-BFLMG
		22 mmM - 15/22 mmMF	45 ml	no	Approx. 19.5 g	SU = 50 pcs.	3 HBF21-BFS

### AEROvent® – Foam Device Filters | Oxygen Concentrators

Foam filters for oxygen concentrators from various manufacturers, for the filtration of particles from the ambient air aspirated by the device.

#### Foam filters



#### Adapter Silencer



Manufacturer	Device	Foam filters		Adapter Silencer	
		Packaging	Order Number	Packaging	Order Number
DeVilbiss	Compact 5   505   515	SU = 5 pcs.	HGF22-D/5	-	-
	Compact 525   525KS	SU = 5 pcs.	HGF24-D/5	-	-
Invacare	Perfecto2	SU = 5 pcs.	HGF23-I/5	-	-
	Platinum S Platinum 9	SU = 5 pcs.	HGF22-I/5	-	-
Kröber	Aeroplus 5 Pro	SU = 5 pcs.	HGF25-K/5	-	-
	O2 (p/n KR02.00)   O2 Vers. 4.0 (p/n KR4.00)	SU = 5 pcs.	HGF22-K2/5*	-	-
Philips Respironics	Everflo	SU = 2 pcs.	HGF11-R-EF	-	-
	Millenium M5	-	-	SU = 100 pcs.	HGFO1-SD-22M
Löwenstein Medical Technology (Weinmann)	Oxymat 3	-	-	SU = 100 pcs.	HGFO1-SD-22M

\*Other SU sizes available - see price list

### AEROvent® – Hypoallergenic, Fine and Foam Device Filters | nCPAP and BiPAP / Bilevel Devices

Hypoallergenic, fine and foam filters for nCPAP devices from various manufacturers, for the filtration of particles from the ambient air aspirated by the device.

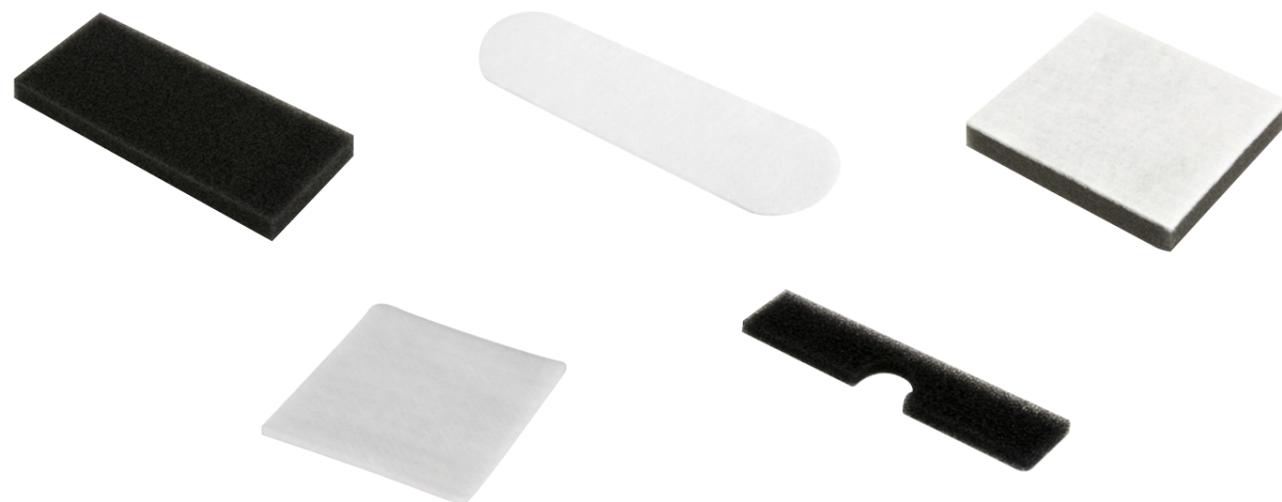


Manufacturer	Device	Hypoallergenic filters		Fine filters		Foam filters	
		Packaging	Order Number	Packaging	Order Number	Packaging	Order Number
Breas	iSleep 10   20   20+   20i 22   25	-	-	SU = 5 pcs.	HCF22-BR-FINE/5	SU = 5 pcs.	HCF22-BR-FOAM/5
DeVilbiss	SleepCube   Blue   IntellIPAP range	-	-	SU = 4 pcs.	HCFD22-FINE/4	SU = 4 pcs.	HCFD22-FOAM/4
Fisher & Paykel	HC230. HC600	-	-	SU = 2 pcs.	HCFF02-FINE	-	-
	Icon	-	-	SU = 1 pc.	HCFF23-FINE/1	-	-
Löwenstein Medical Technology (Weinmann)	SOMNOSoft+   SOMNOVent SOMNOSmart 2   SOMNOSet	-	-	SU = 12 pcs.	HCFW22-FINE/12	SU = 2 pcs.	HCFW22-FOAM/2
	SOMNOComfort 2   SOMNOsoft 2 SOMNOBalance	-	-	SU = 12 pcs.	HCFW23-FINE/12	SU = 2 pcs.	HCFW23-FOAM/2
	prisma   LUISA	-	-	SU = 12 pcs.	HCFW24-FINE/12	SU = 2 pcs.	HCFW24-FOAM/2
ResMed (MAP, Sullivan)	S8	-	-	SU = 12 pcs.	HCFS03-FINE	-	-
	S9   Airsense 10	SU = 12 pcs.	HCFS24H-FINE/12	SU = 12 pcs.	HCFS24-FINE/12*	-	-
	Airsense 11	SU = 12 pcs.	HCFS25H-FINE/12	SU = 12 pcs.	HCFS25-FINE/12*	-	-
Philips Respironics	M-Series   REMstar REMstar Plus   REMstar Pro REMstar Auto   BiPAP Plus BiPAP Auto	-	-	SU = 6 pcs.	HCFR26-FINE/6	SU = 2 pcs.	HCFR26-FOAM/2
	Rempro Harmony Legacy Series- Fine   REMstar Lite Pro   Pro2   Plus   Auto	-	-	SU = 2 pcs.	HCFR27-FINE/2	SU = 2 pcs.	HCFR27-FOAM/2
	A30 / A40 - Remstar System One 60 Series (REMstar Pro and REMstar Auto) BiPAP A30 (-S) & A40 "Silver Series" Omnilab Advanced+   M Series DORMA   Somnia 2 (A-Flex/C-Flex) Somnia 3i   Phoenix 2 & 3i Remstar Pro Series 50/60 Remstar Auto Series 50/60 Remstar auto	-	-	SU = 2 pcs.	HCFR28-FINE/2*	SU = 2 pcs.	HCFR26-FOAM/2
	DreamStation	-	-	SU = 6 pcs.	HCFR29-FINE/6	SU = 2 pcs.	HCFR29-FOAM/2*
	DreamStation 2	-	-	SU = 6 pcs.	HCFR29.1-FINE/6*	SU = 2 pcs.	HCFR29.1-FOAM/2*

\*Other SU sizes available - see price list

## AEROvent® – Fine and Foam Device Filters | Home Ventilation Devices

Fine and foam filters for home ventilation devices from various manufacturers, for the filtration of particles from the ambient air aspirated by the device.



Manufacturer	Device	Fine filters		Foam filters	
		Packaging	Order Number	Packaging	Order Number
Breas	Vivo 1   2   3	SU = 5 pcs.	HVF27-BR-FINE/5	SU = 5 pcs.	HVF27-BR-FOAM/5
	Vivo 30   40	SU = 5 pcs.	HVF25-BR-FINE/5	SU = 5 pcs.	HVF25-BR-FOAM/5
	Vivo 50   55   60   65	SU = 10 pcs.	HVF26-BR-FINE/10	SU = 5 pcs.	HVF26-BR-FOAM/5
Medtronic (Airox)	Legendair	SU = 6 pcs.	HVF22-A-FOAM/6	-	-
Löwenstein Medical Technology (Weinmann)	BiLevel ST22	Upon request		-	
	VENTIlogic   VENTIlogic LS   VENTIlogic plus	Upon request		-	
	VENTImotion   VENTImotion 2	Upon request		-	
	prisma	SU = 12 pcs.	HCFW24-FINE/12	SU = 2 pcs.	HCFW24-FOAM/2
Philips Respironics	BiPAP Plus   Pro2   Auto   ST   AutoSV AutoSV Advanced   Nova   Phoenix Somnia   Synchrony II   Harmony II	SU = 2 pcs.	HCFR27-FINE/2	SU = 2 pcs.	HCFR27-FOAM/2
	BiPAP / BiPAP ST20	SU = 2 pcs.	HCFR28-FINE/2*	SU = 2 pcs.	HCFR26-FOAM/2

\*Other SU sizes available - see price list

## AEROvent® – Heat and Moisture Exchanger (HME) | Artificial Nose

Heat and Moisture Exchanger (HME) for spontaneously ventilated patients with a tracheostomy.

- Effective protection of the airways against the negative effects of cold, dry breathing gas
- Particle filtering, heating and humidification of the respiratory air
- Restoration of breathing resistance
- Housing made of polypropylene (PP), filter medium made of polyurethane foam (PU)
- With ISO connection 15F
- Individually packaged



Moisture output   Max.	Resistance   Max.	Internal volume	Weight	Packaging	Order Number
19.99 mg/l at VT 500 ml	0.33 mbar at 30 l/min	Approx. 17 ml	Approx. 4.4 g	SU = 50 pcs.	HBF01-KN-TS

# AEROTube®

## Airway Management Ventilation Management



AEROTube® is characterised by safe solutions in the areas of airway management, ventilation or CPAP therapy. Our wide assortment, consisting of products with a wide variety of properties and materials, offers you many advantages in terms of both application and patient comfort.

### AEROTube® – Airway Management

High quality products such as our metal laryngoscope blades and handles or adequate aids such as laryngeal masks, endotracheal and oropharyngeal tubes are available for a safe intubation or securing the airways. Whether in the areas of homecare, emergency medical service or hospital - we offer you the right solutions.

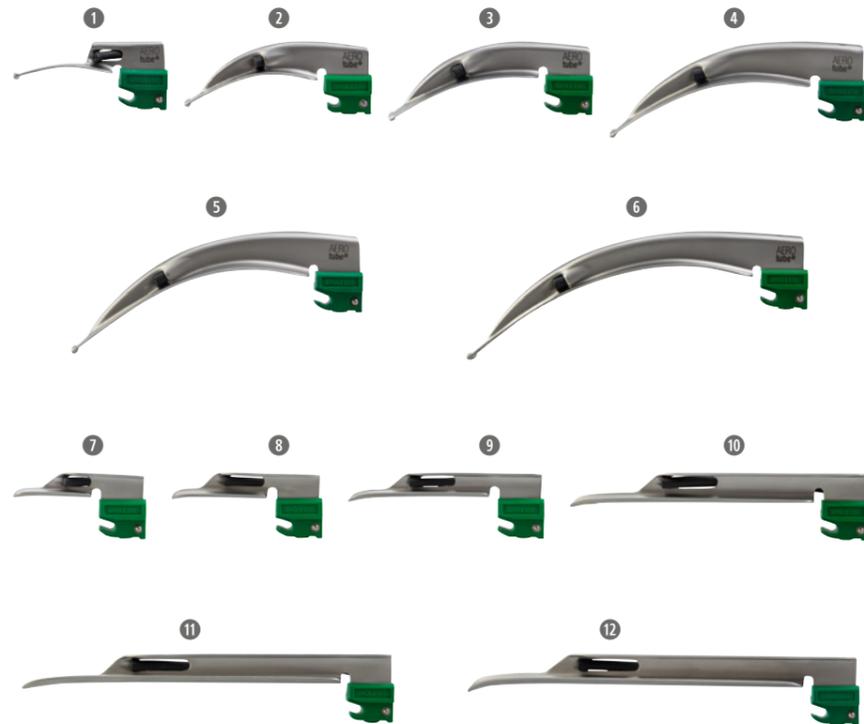
### AEROTube® – Ventilation Management

For ventilation, you can get CPAP tubes of type Standard and Slim – available as lightweight and flexible version. Our assortment also includes the reliable Universal IPPB Tubing System, accessories such as tubing connectors, test lungs and catheter mounts. Furthermore, please feel free to contact us at any time to discuss your personal requirements!

## AEROTube® – Metal Laryngoscope Blades | Single Use

Single use F.O. laryngoscope blades made of high quality stainless steel, types Macintosh and Miller.

- Compatible with handles according to DIN EN ISO 7376 (Green Standard)
- Black light guide coating prevents reflections
- High light conductivity
- Smooth, rounded mat surface
- Hygienically safe, no risk of cross-contamination
- No reprocessing effort



	Size	Order number
Macintosh	0	① HLK02-SMC0LS-E
	1	② HLK02-SMC1LS-E
	2	③ HLK02-SMC2LS-E
	3	④ HLK02-SMC3LS-E
	4	⑤ HLK02-SMC4LS-E
	5	⑥ HLK02-SMC5LS-E

QTY: 10

	Size	Order number
Miller	00	⑦ HLK02-SML00LS-E
	0	⑧ HLK02-SML0LS-E
	1	⑨ HLK02-SML1LS-E
	2	⑩ HLK02-SML2LS-E
	3	⑪ HLK02-SML3LS-E
4	⑫ HLK02-SML4LS-E	

## AEROTube® – Metal Laryngoscope Handles | Reusable

Reusable F.O. laryngoscope handles, in three different designs.

- Compatible with blades according to DIN EN ISO 7376 (Green Standard)
- High quality made of chrome plated brass
- Battery-operated (2 x 1.5V type C or 2 x 1.5V type AA)
- Energy-saving LED technology
- Very good luminosity
- Non-slip grip sleeve surface



LED with very good luminosity

Product name	Description	Ø	Order number
Medium	Standard Version	28 mm	① HLK04-GB28-M
Pediatric	Slim Version	19 mm	② HLK04-GB19-M
Stubby	Short Version	32 mm	③ HLK04-GB32-M

Delivery without batteries

## AEROTube® – Universal CPAP Breathing Tubes | Standard and Slim

High quality universal CPAP breathing tubes of type Standard (19 mm) ① and Slim (15 mm) ②, with 22 mm cuffs, in grey, length 1.80 m, for adults. For use with respiratory therapy devices and humidifiers with conical connectors acc. DIN EN ISO 5356-1. Applicable in the non-invasive respiratory therapy in homecare, hospital and sleep-lab. Can also be used in conjunction with supplemental oxygen.

- Lightweight and flexible versions
- Made of polyethylene (PE) and polypropylene (PP)
- 6 years shelf life
- For single-patient-use
- Latex-free as well as DEHP-free
- Individually packed



Version	Ø	Order number
CPAP breathing tube   Standard Flex	19 mm	① HCS21-1800FL-G
CPAP breathing tube   Slim Flex	15 mm	② HCS21-1800FL-GSL

## AEROTube® – Accessories for CPAP Therapy

Accessories for CPAP Therapy

Products for more hygiene and comfort in CPAP therapy.

**① Tube Cleaning System**

Simplifies cleaning and storage of CPAP tubes

- For all CPAP tubes with 22 mm cuffs
- Attachment with suction cup or hook
- Reusable
- Washable

**② Hose Cover**

To avoid condensation

- Improves heat retention along the hose
- Made of high quality polyester
- Hand wash cleaning
- Length approx. 1.70 m
- Compatible with almost all CPAP hoses length 1.80 m

**③ Nasal Cushion**

Comfortable gel pads for CPAP Masks

- Relieves the pressure | Reduces leaks
- Protects against skin irritations
- Latex and silicone-free
- Hypoallergenic and washable
- Usage time up to 30 days
- Dimensions: Approx. 8.6 x 3.1 cm (Petite / Small), approx. 9.3 x 3.5 cm (Medium / Large)

Description	Order number
Hose cleaning system*	① HCZ01-RS1-HB
Hose cover, for non-heated tubes*	② HCZ11-SH1-BLK
Nasal cushion Petite / Small – XS / S	③ HCZ01-NP-PS
Nasal cushion Medium / Large – M / L	④ HCZ01-NP-ML

\*Delivery without tubing

## AEROTube® – Tubing Connectors

Tubing connectors / adapters for connecting anesthesia / ventilation and CPAP breathing tubes or tubing systems.



Materials	Order number
Polyethylene (PE)	1 HBAD01-22M15F-22M15F
Polyethylene (PE), Polypropylene (PP)	2 HBAD01-22M-22F-6

## Universal IPPB Tubing System

Single-use tubing system 1.20 m universal, suitable for adults. Consisting of 22 mm corrugated tube with low compliance, 2 control tubes, a straight connector 22mm M/M 15mm F, a mouthpiece with 22mm M connection, an exhalation valve, a medication nebulizer and a tube clip. Including a separate pressure tube / T-piece, connector for Bird® plus Luer / Rekord connector.

Total length   Ø	Order number
Approx. 1.20 m   22 mm	HBSS02-IPPB

**QTY: 40**



## AEROTube® – Catheter Mounts

**NEW PRODUCT**

Single use catheter mounts with 360° double swivel connector with suction port, for optimised supply of respiratory gases between the ventilation system and the patient interface of a mechanically ventilated patient as well as for simultaneous suctioning or bronchoscopy. Available as a version with fixed length (smoothbore - smooth inside) 1 and extendable 2 3.

### 90° double swivel connector with suction port



**QTY: 50**



**QTY: 50**



**QTY: 50**

Type	Connections		Length		Order number
	Patient	Device	Tubing	Total length with connectors	
Fixed	22M / 15F	22F	200 mm	250 mm	1 HTV21-22F/20-DKK
Extendable		15M	150 mm (flexible from 100 - 165 mm)	210 mm	2 HTV21-15M/15A-DKK
		22F			3 HTV21-22F/15A-DKK

## AEROTube® – Test Lung

Reusable test lung 1000 ml, for easy testing and calibration of ventilators, used in the treatment of various respiratory and pulmonary diseases.

- Standard connection 15 mm OD acc. DIN EN ISO 5356-1
- Compliance 25ml / cmH<sub>2</sub>O
- Airway resistance 11 cmH<sub>2</sub>O / l / s
- Tidal volume 500 ml (with 1 l bag)
- Autoclavable silicone components - at 121 °C for 15 min, silicone-free components - cleaning and disinfection by wiping

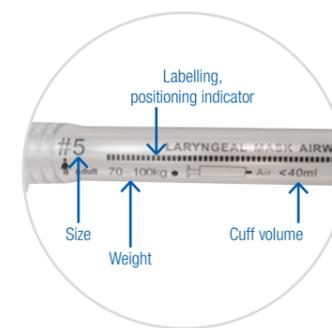


Colour	Order number
White	HTL02-1000W

## AEROTube® – Laryngeal Masks

PVC laryngeal masks for single use, colour-coded. Suitable as an optimal alternative in case of difficult airways, for ventilation with masks and endotracheal tubes.

- 15 mm connector acc. DIN EN ISO 5356-1
- Control marking for correct positioning
- Soft, classically shaped cuff with a good seal
- Control balloon for monitoring the internal cuff pressure
- Latex-free
- Individually sterile packed



**QTY: 10**



### PVC (Single Use)



Size	Patient group	Body weight (kg)	ID mm	OD mm	Cuff volume max. (ml)	Order number
1	Neonates	0 - 5	5.8	8.8	4	1 HLM12-1
1.5	Infants	5 - 10	6	10	7	2 HLM12-1.5
2	Infants / Children	10 - 20	7.8	12	10	3 HLM12-2
2.5	Children	20 - 30	8.5	13.2	14	4 HLM12-2.5
3	Children	30 - 50	10.2	15	20	5 HLM12-3
4	Adults	50 - 70	10.2	15	30	6 HLM12-4
5	Adults	70 - 100	12	17	40	7 HLM12-5

## AEROTube® – Endotracheal Tubes

Single use endotracheal tubes made of crystal-clear and soft PVC, without low pressure cuff ❶, with low-pressure cuff ❷ and sets consisting of endotracheal tube with low pressure cuff, stylet and Luer syringe ❸. Suitable for short and long term tracheal intubation.

- Type Magill with Murphy eye
- 15 mm ISO connector
- Control marking for correct tube position
- Soft low pressure cuff
- Control balloon for monitoring the internal cuff pressure
- Individually sterile packed



Magill tip Murphy eye



Sizes   Dimensions				Order number		
ID	CH	ID (mm ±)	O.D. (mm ±)	❶ without cuff	❷ with cuff	❸ Set
2.0	10	2.0 ± 0.15	3.3 ± 0.15	HET01-20		
2.5	11	2.5 ± 0.15	3.7 ± 0.15	HET01-25	HET01-25M	
3.0	12	3.0 ± 0.15	4.0 ± 0.15	HET01-30	HET01-30M	
3.5	14	3.5 ± 0.15	4.7 ± 0.15	HET01-35	HET01-35M	
4.0	16	4.0 ± 0.15	5.3 ± 0.15	HET01-40	HET01-40M	
4.5	18	4.5 ± 0.15	6.0 ± 0.15	HET01-45	HET01-45M	
5.0	20	5.0 ± 0.15	6.7 ± 0.15	HET01-50	HET01-50M	HET01-50M-SET
5.5	22	5.5 ± 0.15	7.3 ± 0.15	HET01-55	HET01-55M	HET01-55M-SET
6.0	24	6.0 ± 0.15	8.0 ± 0.15	HET01-60	HET01-60M	HET01-60M-SET
6.5	26	6.5 ± 0.20	8.7 ± 0.20	HET01-65	HET01-65M	HET01-65M-SET
7.0	28	7.0 ± 0.20	9.3 ± 0.20	HET01-70	HET01-70M	HET01-70M-SET
7.5	30	7.5 ± 0.20	10.0 ± 0.20	HET01-75	HET01-75M	HET01-75M-SET
8.0	32	8.0 ± 0.20	10.7 ± 0.20	HET01-80	HET01-80M	HET01-80M-SET
8.5	34	8.5 ± 0.20	11.3 ± 0.20	HET01-85	HET01-85M	HET01-85M-SET
9.0	36	9.0 ± 0.20	12.0 ± 0.20	HET01-90	HET01-90M	HET01-90M-SET
9.5	38	9.5 ± 0.20	12.7 ± 0.20	HET01-95	HET01-95M	
10.0	40	10.0 ± 0.20	13.3 ± 0.20	HET01-100	HET01-100M	

## AEROTube® – Intubation Stylets

Single use intubation stylets for endotracheal tubes, individually sterile packed.



Charrière (CH)	Ø in mm (± 0.05 mm)	Length in mm (± 10 mm)	Order number
6	2.0	270	HET01-FS06
10	3.3	335	HET01-FS10
14	4.7	325	HET01-FS14

Stylets with other charrières are also available upon request

## AEROTube® – Guedel Tubes

Single use oropharyngeal tubes according to Guedel, semi-transparent.

- Outer material made of flexible polyethylene
- Integrated bite block made of stable polypropylene
- Colour-coded according to sizes



Size	ISO	Length	Colour code	Order number
000	4	40 mm	Pink	❶ HOT01-G000
00	5	50 mm	Blue	❷ HOT01-G00
0	6	60 mm	Black	❸ HOT01-G0
1	7	70 mm	White	❹ HOT01-G1
2	8	80 mm	Green	❺ HOT01-G2
3	9	90 mm	Yellow	❻ HOT01-G3
4	10	100 mm	Red	❼ HOT01-G4
5	11	110 mm	Orange	❽ HOT01-G5
6	12	120 mm	Purple	❾ HOT01-G6



Also available as a set in a transparent and stable storage box

Box dimensions approx. 17.5 x 12 x 5 cm (L x W x H)

Sizes	Packaging	Order number
000 - 5	Plastic box	HOT01-G000-5-BOX



Our AEROresc® products are specially designed for the safe immobilization of the limbs and the cervical area in order to treat existing injuries with emergency aid measures and to optimally prevent further injuries at the place of accident or during transport.

### AEROresc® – EASY Splint

Our EASY Splint - Universal Splints are used to immobilize almost all sections of the human limbs. Thanks to the structured surface of the patient side, they ensure a secure grip and better air circulation. Suitable for numerous fields of application. Light-weight, stable and universal.

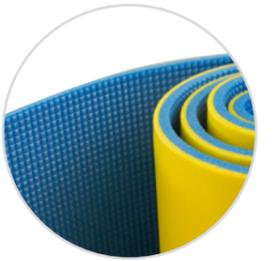
### AEROresc® – EASY Collar Adult | Mini

The two models of our cervical collar are the perfect addition to your equipment in the area of immobilization. They offer greatest stability and the highest possible wearing comfort with easy handling. With large tracheal opening for airway management and palpation. Space-saving transport thanks to the self-raising chin support.

### AEROresc® – EASY Splint

Malleable universal splints for immobilization of almost all human limbs and the cervical spine. Light-weight, compact and space-saving and can be cut to any size. Suitable for numerous fields of application.

- With yellow outside and blue patient side
- Patient side with structured surface for a secure grip and better air circulation
- Soft padded sheath made of polyethylene foam IXPE, with aluminum core
- Radiolucent
- Waterproof, reusable



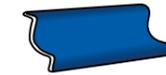
Better air circulation | Secure grip

### Basis forms and application examples



C-Curve | Strong

To form the C-Curve, pull both side edges inwards.



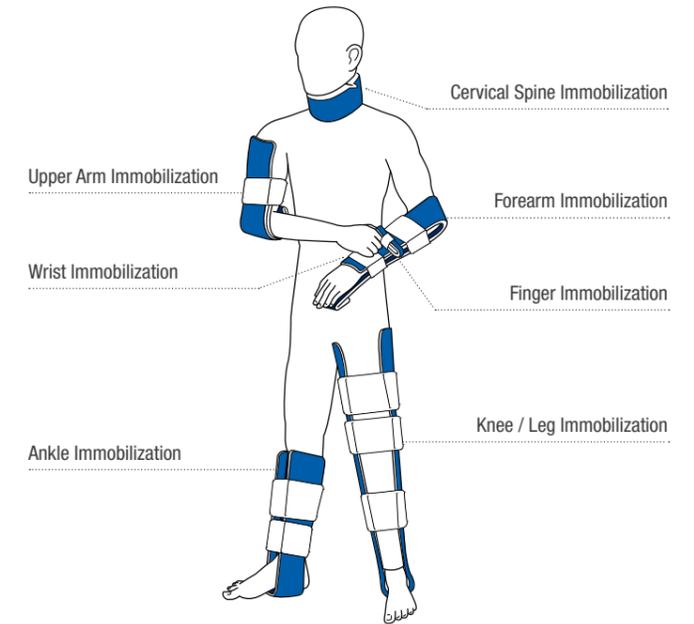
Reverse C-Curve | Stronger

Form the C-Curve. Then form the side edges in the opposite direction.



T-Curve | Strongest

Place the side edges on top of each other. Then bend half of each side until a 90° angle is reached.



### Individual splints



Tactical Version available upon request

### Splint set



Housed in a nylon case

EASY Splint - Individual splints				
Size	Dimensions (W x L)	Weight	Type	Order number
XS	5 x 11 cm	approx. 4 g	flat	① HIMT02-SP-XS
M	50 x 11 cm	approx. 80 g	rolled	② HIMT02-SP-M
XL	100 x 11 cm	approx. 160 g	rolled	③ HIMT02-SP-XL

EASY Splint - Set and set replacement splints				
Size	Dimensions	Weight	Type	Order number
2x XS   1x M   1x XL	17.5 x 12 x 6 cm (W x H x D)	approx. 310 g	Set	④ HIMT02-SP-SET1
XS	5 x 11 cm (W x L)	approx. 4 g	flat / rolled	① HIMT02-SP-XS
M	50 x 11 cm (W x L)	approx. 80 g		② HIMT02-SP-M-SET
XL	100 x 11 cm (W x L)	approx. 160 g		③ HIMT02-SP-XL-SET

### AERoresc® – EASY Collar Adult | Mini

Adjustable cervical collar for adults or infants, children and small adults which is used for safe immobilization of the cervical spine and offers easy handling plus high stability.

- Adult version adjustable to 16 levels | Mini version to 12 levels
- Oversized access on the front and rear side for pulse control, airway management, view at larynx, palpation
- Very flat design and space-saving stowage thanks to the self-raising chin support
- Radiolucent, CT and MRI compatible and hypoallergenic

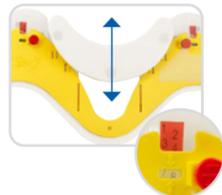
#### Easy handling



1. Measure patient



2. Detect size



3. Adjust size



4. Lock

#### Fastening hooks

- Left and right side
- Safe fixation of nasal cannula tubings

#### Comfortable chin support

- Flips up automatically during application
- Anatomical and soft padded

#### Flexible size adjustment

- Symmetrical size adjustment
- 16 levels Adult version:  
1 - 4 neckless | 5 - 8 short  
9 - 12 regular | 13 - 16 tall
- 12 levels Mini version:  
1 - 4 infants | 5 - 8 children  
9 - 12 small adults

#### Closure system

- Provides high stability
- Striking locking buttons for fast recognition

With self-raising chin support



QTY: 20



QTY: 20



Tactical Version  
available upon request

Model	Colour	Dimensions (W x H)	Weight	Order number
Adult (for adults)	Yellow / White	57 x 18 cm	126 g	1 HIMT11-EC-E
Mini (for infants, children and small adults)	Blue / White	44.5 x 14 cm	74 g	2 HIMT11-EC-K

# AEROcheck®

## Pulse Oximetry | Diagnostics



#### AEROcheck® – Fingertip Pulse Oximeter

The spot-check device enables a fast and reliable SpO<sub>2</sub> measurement with clinically proven measurement accuracy and performs particularly well due to high quality materials and processing plus a long operating time.

#### AEROcheck® – sat 801+ and AEROcheck® – sat 805 - Pulsoximeter

With these two pulse oximeters you are well-equipped for long-term monitoring thanks to extensive data storage and Li-Ion batteries. Provided with Masimo SET® Technology and suitable for numerous applications.

#### Masimo – Sensors, Patient and Adapter Cables

We offer you a wide range of different RD SET® – and LNCS® – Sensors, for single-patient-use as well as reusable sensors. We also supply various patient and adapter cables as well as accessories.

#### AEROcheck® – Diagnostic Instruments

Our aneroid sphygmomanometers are suitable for all medical areas and are available as a one-tube and two-tube system. In addition, stethoscopes, reflex hammers and diagnostic lamps are now also available for you.

## AEROcheck® – Fingertip Pulse Oximeter - P011-FCE

Handy finger pulse oximeter for measuring partial oxygen saturation, economic version, suitable for adults and children. Comfortable, quick, precise as well as with low energy consumption. Delivery including finger pulse oximeter, storage bag, carrying lanyard and batteries 1 - 4.

### Exact

- Displayed parameters: SpO<sub>2</sub> | Pulse rate | Pulse bar | Plethysmogram | Signal indication | Battery capacity
- Clinically approved measurement accuracy

### Clear

- Dual colour OLED display, 360° adjustable by pressing button (6 display modes)
- Brightness adjustments 1 - 10

### Durable

- High quality materials and processing
- Stable battery compartment with hinged cover

### Fields of application

- Homecare
- Hospital
- Other medical facilities



One-button operation for display indicator and brightness



Robust spring mechanism



Comfortable haptic

Order number	HP011-FCE	
<b>Technical Data</b>		
<b>Dimensions (L x W x H)</b>	Approx. 3.2 x 3.4 x 5.8 cm	
<b>Weight</b>	50 g (including batteries)	
<b>Power supply</b>	2 batteries, type 1.5 V AAA	
<b>Operating time</b>	Up to 24 hours at 1.200 mAh (without interruption)	
<b>SpO<sub>2</sub></b>	<b>Measurement range</b>	70 % ~ 100 %
	<b>Resolution</b>	1 %
	<b>Accuracy</b>	70 % ~ 100 %, ± 2 %   0 % ~ 69 %, no definition
<b>Pulse Rate</b>	<b>Measurement range</b>	30 bpm ~ 250 bpm
	<b>Resolution</b>	1 bpm
	<b>Accuracy</b>	30 ~ 99 bpm ± 2 bpm   100 bpm ~ 250 bpm, ± 2 %
<b>Alarm (optical)</b>	Battery-low indication	
<b>Auto. Power on</b>	After push of power button	
<b>Auto. Power off</b>	After 8 seconds without signal	

## AEROcheck® – sat 801+

Lightweight and handy pulse oximeter for maximum mobility, with all important equipment features. Brilliant multicolour TFT display, integrated protective collar, with various connections. Delivery including power adapter EU.

Ideal for long-term monitoring and spot-check measurement in the areas of homecare, emergency medical service and hospital



HP002-801+/EU

## AEROcheck® – sat 805

Pulse oximeter with exemplary ease of use and comprehensive equipment features. Large display with brilliant LCD display, multifunction rotary switch, large data memory and various interfaces. Delivery including power adapter EU.

Ideal for long-term monitoring in the areas of homecare, hospital and sleep lab



HP002-805/EU

- With proven Masimo SET® Technology for reliable monitoring of oxygen saturation, even under most difficult operating conditions
- FastSAT™ – Fast Saturation Algorithm for rapid detection and display of abrupt SpO<sub>2</sub> changes and Signal IQ™ indicator for accurate assessment of signal quality during movement and low perfusion
- 22-hour Li-Ion-Mn or Li-Ion battery, display of SpO<sub>2</sub>, pulse rate, perfusion index (PI), plethysmogram, Signal IQ™, alarms (optical and acoustic), alarm limits, battery capacity and remaining memory capacity

### Recommended accessories – please order separately:

Description	Order number
LNCS® Neo – Newborns < 3 kg, children > 40 kg	HP014-NEO
LNC®-4 – Sensor connection cable 1.2 m for LNCS® - sensors	HP014-K-PC04
RD SET Neo – Newborns < 3 kg, children > 40 kg	HP015-NEO
RD SET MD14-05 – Sensor connection cable 1.5 m for RD SET® - sensors	HP015-K-PC05

Specifications	Models	Order number	
		HP002-801+/EU (sat801+)	HP002-805/EU (sat805)
<b>Dimensions (W x H x L)</b>		8.5 x 4.6 x 12.8 cm	24 x 10.4 x 9.2 cm
<b>Weight</b>		230 g (inkl. Akku)	900 g (inkl. Akku)
<b>Power supply</b>		100-240 V ~50-60 Hz / 5 V DC 1 A	100-240 V ~50 / 60 Hz / 9.3 V DC +/- 1 % / 1.29 A - 12 VA
<b>Interne Power supply</b>		Li-Ion-Mn battery 2 x 3.6 V / 2 x at least 2250 mAh	Li-Ion battery 7.2 V / at least 3600 mAh
<b>Battery operating time</b>		22 hours guaranteed (fully charged)	20 hours guaranteed, 24 hours typical
<b>SpO<sub>2</sub></b>	<b>Display</b>	1 - 100 %	
	<b>Accuracy</b>	Without motion, 70 - 100 %	+/- 2 digits adults, children; +/- 3 digits newborns
		With motion, 70 - 100 %	+/- 3 digits adults, children, newborns
<b>Resolution</b>	1 %		
<b>Puls</b>	<b>Display</b>	25-240 1/min	
	<b>Accuracy</b>	Without motion 25-240 1/min +/- 3 digits	With motion 25-240 1/min +/- 5 digits
		<b>Resolution</b>	1 1/min
<b>Perfusion display range</b>	0.02 - 20 %		
<b>Alarms</b>	SpO <sub>2</sub> , pulse, battery, sensor, system		
<b>Memory</b>	Internal memory and optional microSD or SD card available		

## AEROcheck® – Bags | Power Supply | Brackets

Accessories - Pulse Oximeters

Carrying bags, power adapters Europe, brackets and remote alarm cables for stationary use for AEROcheck® – sat 801+ or sat 805.



Description	Order number	
	sat 801+	sat 805
Carrying bag	① HPO02-800/801-T	② HPO02-805-T
5 m remote alarm cable with RJ-12 plug connection	-	③ HPO02-805-KAF
Power adapter Europe	④ HPO02-801+-NT/EU	⑤ HPO02-805-NT/EU
Brackets with integrated wall rail claw	⑥ HPO02-800/801-H	⑦ HPO02-805-H

Upon request, we are glad to provide you with additional accessories, such as USB cables or microSD cards.

## AEROcheck® – satView

Software for the efficient management and analysis of data for AEROcheck® – Pulse Oximeters sat 801+ and sat 805.

Intuitive user interface, fast data analysis, database functionality as well as easy reporting.

\* Software version 1.1.9, without displaying ODE and ODI available for free

From software version 1.2.0 one-time license fee per computer / installation



Technical specifications	Order number
Compatibility	Server 2008, Windows XP, Vista, 7, 8 and 10, Mac OS X (CrossOver)
Display of the time courses	SpO <sub>2</sub> , puls, Signal IQ™
Data analysis	Statistics, desaturations
Depictable events	Alarms, alarm suppressions, desaturations, individual markings
HPO02-SW-SATVIEW	

## Masimo – Sensors, Patient and Adapter Cables

We provide you with an extensive range of RD SET® and LNCS® Sensors for single-patient-use as well as reusable sensors. Patient and adapter cables as well as various accessories are also available. Whether for use with our pulse oximeters or as individual products - we would be glad to advise you on our products!



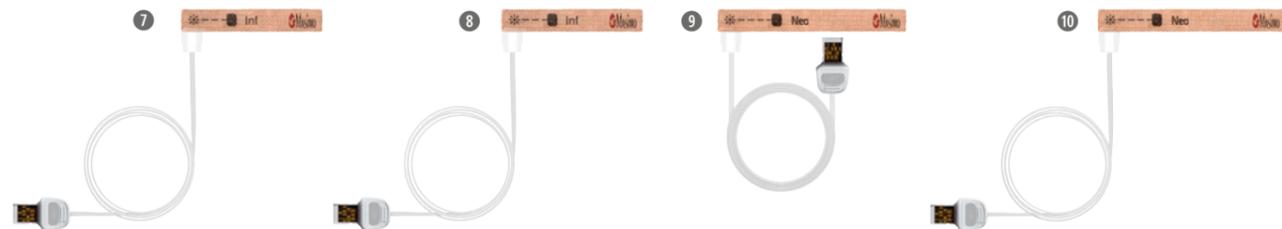
## Masimo RD SET® – Sensors

### Single-patient-use

Featuring Masimo SET® Measure-through Motion and Low Perfusion™ Technology, with improved SpO<sub>2</sub> accuracy in conditions of motion and no motion. 'Fold-over Style' sensors, available in sizes for adults and children as well as 'Wrap-around-Style' sensors, available in sizes for adults, children, infants and neonates. Non-sterile, does not contain natural rubber latex, each with 20 adhesive sensors (Blue® 10 pieces).



RD SET® – SpO <sub>2</sub> Sensors				
Patient	Body weight	Monitoring site	Description	Order number
Adults	> 30 kg	Finger or toe	RD SET Adt	① HPO15-ADT
Children	10 - 50 kg	Finger or toe	RD SET Pdt	② HPO15-PDT
Infants	3 - 20 kg	3 - 10 kg, thumb or great toe / 10 - 20 kg, finger or toe	RD SET Inf	③ HPO15-INF
Neonates	< 3 kg / > 40 kg	Hand or foot (Neonates) / Finger or toe (Adults)	RD SET Neo	④ HPO15-NEO
	< 1 kg	Hand or foot	RD SET NeoPt	⑤ HPO15-NEOPT
Neonates, cyanotic	> 2.5 - 30 kg	Thumb or great toe	RD SET Blue®	⑥ HPO15-BLUE



RD SET® – Cabled Sensors   With extended cable				
Patient	Body weight	Monitoring site	Description / Length	Order number
Infants	3 - 20 kg	3 - 10 kg, thumb or great toe	RD SET Inf CS-2 / 2 ft	7 HPO15-INF-CS2
		10 - 20 kg, finger or toe	RD SET Inf CS-3 / 3 ft	8 HPO15-INF-CS3
Neonates	< 3 kg / > 40 kg	Hand or foot (Neonates) / Finger or toe (Adults)	RD SET Neo CS-2 / 2 ft	9 HPO15-NEO2
			RD SET Neo CS-3 / 3 ft	10 HPO15-NEO3

### Masimo RD SET® – Sensors

#### Reusable Sensors

Sensors for adults and children as well as universally applicable, for various monitoring sites. Featuring Masimo SET® Measure-through Motion and Low Perfusion™ Technology.



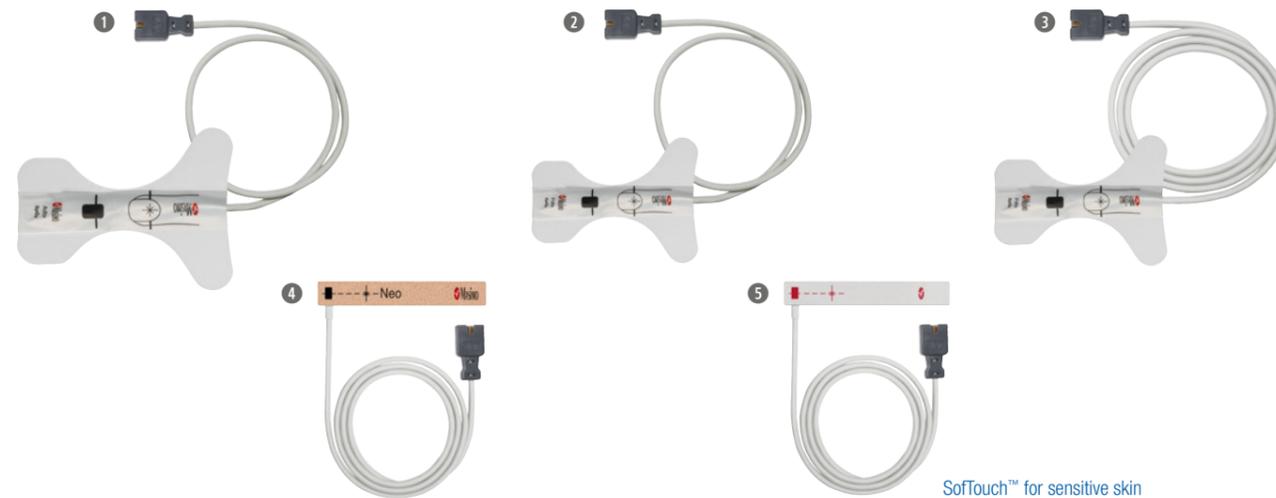
Patient	Body weight	Monitoring site	Description	Order number
Adults	> 30 kg	Finger	RD SET DCI® / Digit Clip Sensor	1 HPO15-DCI
		Middle or ring finger	RD SET DBI / Soft Sensor	2 HPO15-DBI
		Ear	RD SET TC-I / Tip-Clip Ear Sensor	3 HPO15-TCI
		Forehead	RD SET TF-I / Transflective	4 HPO15-TFI
Children	10 - 50 kg	Finger or toe	RD SET DCI-P / Digit Clip Sensor	5 HPO15-DCIP
Neonates	> 1 kg	Div. applications	RD SET Y-I / Universally applicable	6 HPO15-YI

Further RD SET® Sensors are available upon request

### Masimo LNCS® – Sensors

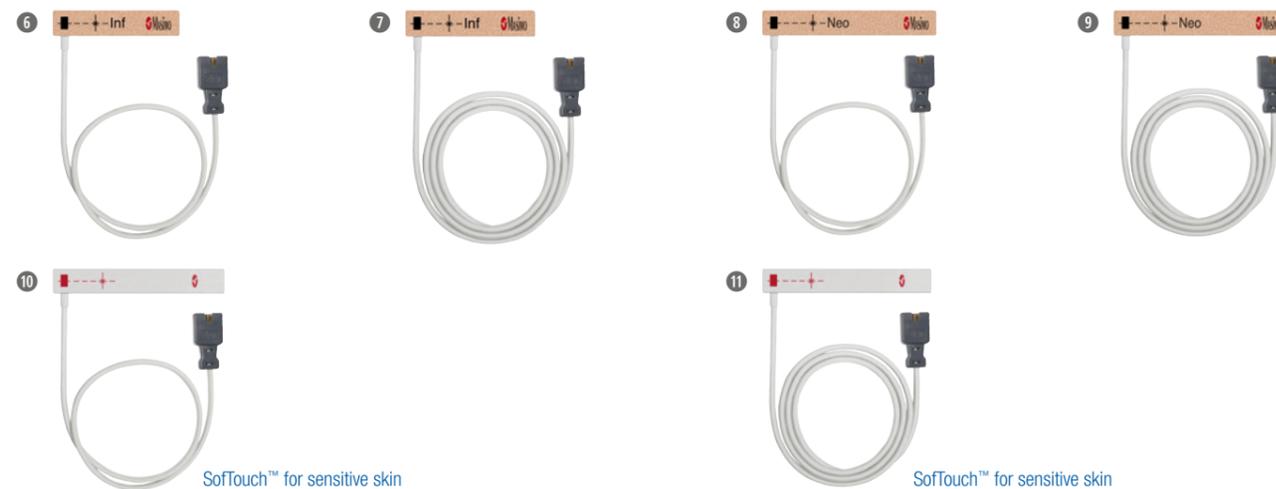
#### Single-patient-use

Low Noise Cabled Sensors (LNCS), featuring Masimo SET® Measure-through Motion and Low Perfusion™ Technology, with excellent SpO<sub>2</sub> performance. 'Fold-over Style' sensors, available in sizes for adults and children as well as 'Wrap-around-Style' sensors, available in sizes for adults, children, infants and neonates. 9-pin connector / DB9 connector for compatibility with LNC patient cables or M15 connector 12 - 15. Non-sterile, does not contain natural rubber latex, each with 20 adhesive sensors.



SofTouch™ for sensitive skin

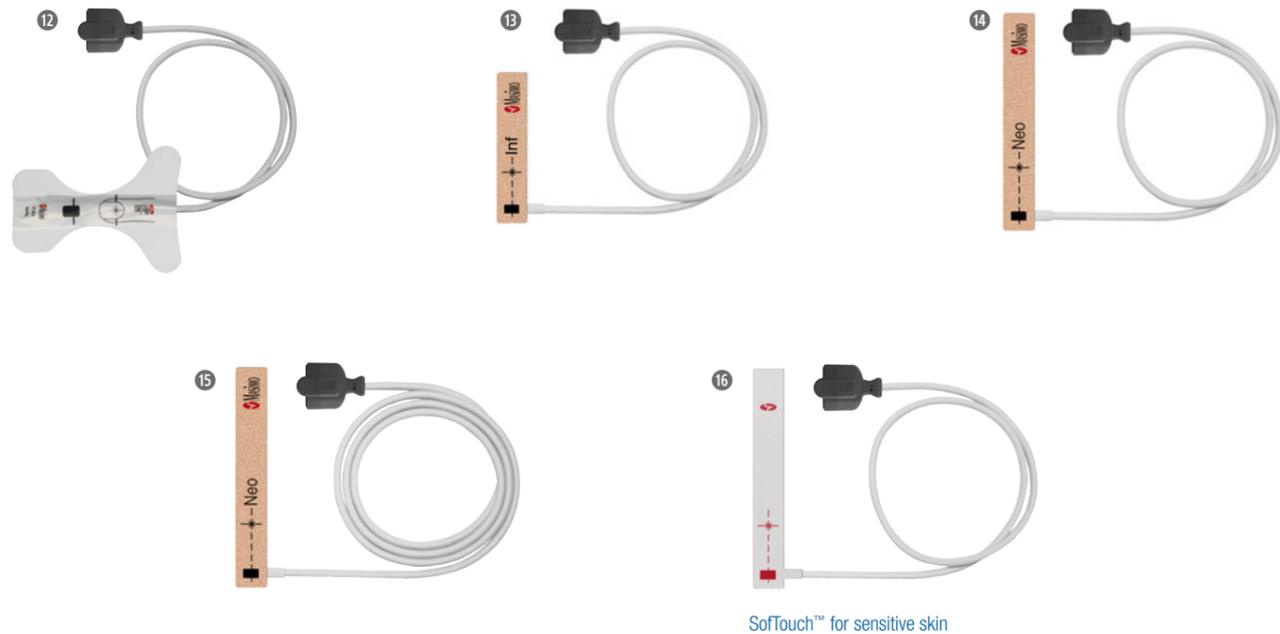
LNCS® – SpO <sub>2</sub> Sensors				
Patient	Body weight	Monitoring site	Description / Length	Order number
Adults	> 30 kg	Finger or toe	LNCS Adtx / 18 inch	1 HPO14-ADTX
Children	10 - 50 kg	Finger or toe	LNCS Pdtx / 18 inch	2 HPO14-PDTX
			LNCS Pdtx-3 / 0.91 m (3 ft)	3 HPO14-PDTX3
Neonates	< 3 kg / > 40 kg	Hand or foot (Neonates) / Finger or toe (Adults)	LNCS Neo-L / 0.91 m (3 ft)	4 HPO14-NEOL
	< 1 kg	Hand or foot	LNCS NeoPt-L / 0.91 m (3 ft)	5 HPO14-NEOPTL



SofTouch™ for sensitive skin

SofTouch™ for sensitive skin

LNCS® – Sensors   With replaceable wrap   9-pin connector				
Patient	Body weight	Monitoring site	Description / Length	Order number
Infants	3 - 20 kg	Thumb or great toe	LNCS Inf / 18 inch	6 HPO14-INF
			LNCS Inf-3 / 0.91 m (3 ft)	7 HPO14-INF3
Neonates	< 3 kg / > 40 kg	Hand or foot (Neonates) / Finger or toe (Adults)	LNCS Neo / 18 inch	8 HPO14-NEO
			LNCS Neo-3 / 0.91 m (3 ft)	9 HPO14-NEO3
	< 1 kg	Hand or foot	LNCS NeoPt / 18 inch	10 HPO14-NEOPT
			LNCS NeoPt-3 / 0.91 m (3 ft)	11 HPO14-NEOPT3



SofTouch™ for sensitive skin

M-LNCS® – Sensors   With replaceable wrap   M15 connector				
Patient	Body weight	Monitoring site	Description	Order number
Children	10 - 50 kg	Finger or toe	M-LNCS-PDXTX	12 HPO14-M-PDXTX
Infants	3 - 20 kg	Thumb or great toe	M-LNCS Inf / 18 inch	13 HPO14-M-INF
Neonates	< 3 kg / > 40 kg	Hand or foot (Neonates) / Finger or toe (Adults)	M-LNCS Neo	14 HPO14-M-NEO
			M-LNCS Neo-3	15 HPO14-M-NEO3
	< 1 kg	Hand or foot	M-LNCS NeoPt	16 HPO14-M-NEOPT

## Masimo LNCS® – Sensors

### LNCS® – Specialty Sensors

Trauma and Newborn sensors with automatic consideration of the fastest SpO<sub>2</sub> and pulse rate readings at maximum sensitivity while supporting a fast application with a minimal adhesive attachment. Supplied with each 20 adhesive sensors 1, 4. Additional ear and forehead sensors for alternative monitoring sites, each with 10 adhesive sensors 2, 3.



SofTouch™ for sensitive skin

10 pcs.

10 pcs.

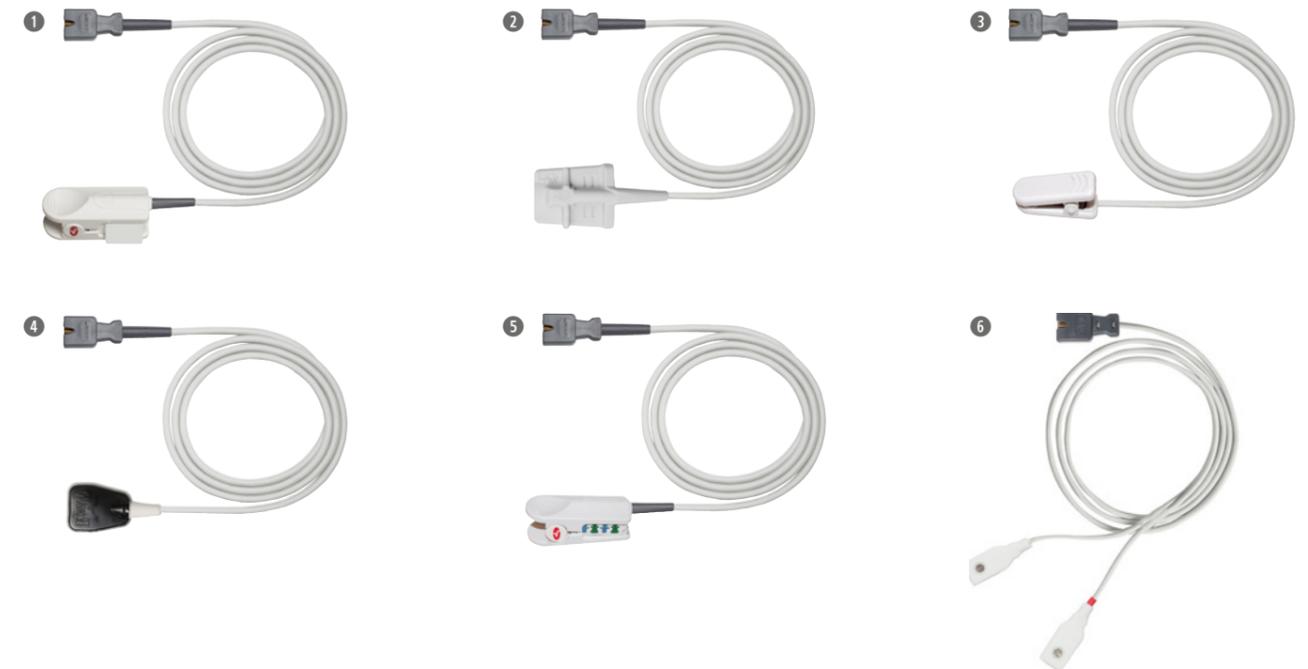
SofTouch™ for sensitive skin

Patient	Body weight	Monitoring site	Description	Order number
Adults	> 30 kg	Finger	LNCS Trauma	1 HPO14-TRA
		Ear	LNCS E1® / 0.91 m (3 ft)	2 HPO14-E1
	> 10 kg	Forehead	LNCS TFA-1® / 0.91 m (3 ft)	3 HPO14-TFA1
Infants	3 - 30 kg	3 - 10 kg, thumb or great toe / 10 - 30 kg, finger or toe	LNCS-Newborn Inf/Pt	4 HPO14-NEOINF

## Masimo LNCS® – Sensors

### Reusable Sensors

Sensors for adults and children as well as universally applicable, for various monitoring sites, length 3 ft. Featuring Masimo SET® Measure-through Motion and Low Perfusion™ Technology, new cable connector design for improved moisture resistance and precise performance under conditions of movement and with low blood flow. Connection to all Masimo SET® – Oximeters via LNC® – Patient Cable.



LNCS® – Reusable Sensors   With 9-pin connector				
Patient	Body weight	Monitoring site	Description	Order number
Adults	> 30 kg	Finger	LNCS DC-I® / Digit Clip Sensor	1 HPO14-DCI
		Middle or ring finger	LNCS DB-I / Soft Sensor	2 HPO14-DBI
		Ear	LNCS TC-I / Tip-Clip Ear Sensor	3 HPO14-TCI
		Forehead	LNCS TF-I / Transflective	4 HPO14-TFI
Children	10 - 50 kg	Finger	LNCS DCI-P / Digit Clip Sensor	5 HPO14-DCIP
Neonates	> 1 kg	Div. applications	LNCS-Y-I / Universally applicable	6 HPO14-YI



LNCS® – Reusable Sensors   With M15 connector				
Patient	Body weight	Monitoring site	Description	Order number
Adults	> 30 kg	Finger	M-LNCS DC-I®	7 HPO14-M-DCI
		Middle or ring finger	M-LNCS DB-I / Soft Sensor	8 HPO14-M-DBI

Further LNCS® – Sensors are available upon request

## Masimo – Patient Cables

Reusable Masimo – Patient Cables, in different versions. Non-sterile, does not contain natural rubber latex.



### RD SET® – Patient Cables

Cable length	Description	Order number
1.52 m	RD SET MD14 - 05 / 14-pin, 5 ft	① HPO15-K-PC05
1.52 m	RD SET MD20 - 05 / 20-pin, 5 ft	② HPO15-R-K-PC05
2.44 m	RD SET MD14 - 08 / 14-pin, 8 ft	③ HPO15-K-PC08
3.66 m	RD SET MD14 - 12 / 14-pin, 12 ft	④ HPO15-K-PC12



### LNC® – and M-LNC® – Patient Cables

Cable length	Description	Order number
1.22 m	LNC-04 / 14-pin, 4 ft	⑤ HPO14-K-PC04
3.05 m	LNC-10 / 14-pin, 10 ft	⑥ HPO14-K-PC10
4.27 m	LNC-14 / 14-pin, 14 ft	⑦ HPO14-M-K-PC14



### Red LNC® – Patient Cables

Cable length	Description	Order number
1.22 m	Red LNC-04 / 20-pin, 4 ft	⑧ HPO14-R-K-PC04
3.05 m	Red LNC-10 / 20-pin, 10 ft	⑨ HPO14-R-K-PC10
3.05 m	Red LNC M20-10 / M20 LNCS, 10 ft	⑩ HPO14-RM-K-PC10

 Further patient cables are available upon request

## Masimo – Adapter Cables

Adapter cables to connect RD SET® to LNC.



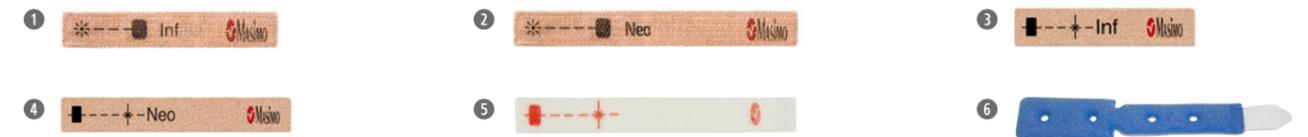
### Adapter Cables

Cable length	Description	Item No.
0.46 m	RD SET to LNC / 1.5 ft	① HPO14-PO05-AD
0.91 m	RD SET to LNC / 3 ft	② HPO14-PO05-AD2 <span style="background-color: black; color: white; padding: 2px;">Discontinued item</span>

 Further adapter cables are available upon request

## Masimo – Sensors | Accessories and Spare Parts

Replacement adhesive tapes available in different types as well as foam wrap . Non-sterile, does not contain natural rubber latex.



Description	Order number
Adhesive tapes for RD SET Inf / Inf CS-2 / Inf CS-3 / RD SET Blue®, 102 pcs.	① HPO15-INF-PF
Adhesive tapes for RD SET Neo / Neo CS-2 / Neo CS-3, 102 pcs.	② HPO15-NEO-PF
Adhesive tapes for LNCS Inf / Inf-3, 102 pcs.	③ HPO14-INF-PF
Adhesive tapes for LNCS Neo / Neo-3, 102 pcs.	④ HPO14-NEOL-PF
Adhesive tapes for LNCS NeoPt / NeoPt-3 / Trauma, 10 pcs.	⑤ HPO14-NEOPT-PF
Wrap for YI Sensor, 12 pcs.	⑥ HPO02-KM-YI

## AEROcheck® – Diagnostic Lamp

**NEW PRODUCT**

Push-button on / off mechanism

Reusable diagnostic lamp, suitable for general examination as well as approved and tested for eye diagnostics. Lightweight and compact pen shape, robustly manufactured and particularly durable. Bright and targeted light thanks to LED technology, with replaceable light source. Delivery including batteries.

- Ideal everyday companion in hospital, practice and emergency medical service
- Illuminance: 4.8 lumen (lm)
- Colour temperature: 3200 Kelvin (K) – warm white light
- Replaceable light source
- Consisting of diagnostic light, spring clip, LED lamp, 2 batteries (type 1.5 V AAA)

Ideal for the lab coat pocket, thanks to clip fastening

Stable housing made of aluminium

Optimal protection of the light

LED approved for eye diagnostics

Description	Material	Dimensions	Weight	Order number
Diagnostic light with spring clip, LED lamp as well 2 batteries (type 1.5 V AAA)	Aluminum alloy	Approx. 14 cm long, Ø approx. 0.11 cm	Approx. 22.5 g*	HDL01-AL01-R

\*Including batteries

## AEROcheck® – Stethoscopes | Single Head and Dual Head

**NEW PRODUCT**

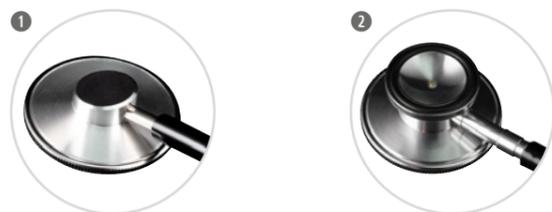
### Single head stethoscope

Stethoscope for indirect listening (auscultation) of the internal organs, especially of the heart and lung, ideal for quick and frequent use. Very good sound transmission, robust workmanship, durable and latex-free.

### Dual head stethoscope

Suitable for multifunctional use and daily application. Lightweight and robust model, with high acoustic quality thanks to the ultra-sensitive membrane for transmitting high frequencies and isolating low frequencies.

- Reusable
- Suitable for adults
- Easy to use
- Robust and solid workmanship, particularly durable
- Very good sound transmission due to PVC tubing
- Also for use with a sphygmomanometer, such as the AEROcheck® – Aneroid Sphygmomanometers



Description	Materials	Total length	Weight	Order number
Single head stethoscope	PVC (Tubing), Aluminium alloy, anodized (chest-piece)	Approx. 75 cm	Approx. 82 g	1 HSTKP01-E01-E-BLK
Dual head stethoscope		Approx. 77.5 cm	Approx. 91 g	2 HSTKP02-E01-E-BLK

## AEROcheck® – Neurological Reflex Hammer

**NEW PRODUCT**

Reusable reflex hammer according to Buck, for neurological stimulus and reflex testing, with needle and brush for sensitivity testing. Design and quality guarantee comfort, safety and reliability to the user.

- Particularly suitable for neurology as well as general medical practice needs and emergency medical service
- Lightweight model, with stable handle
- Made from a zinc alloy
- Integrated additional instruments for sensitivity testing 1

Small rubber tip for eliciting reflexes in the tendons of flexor muscles

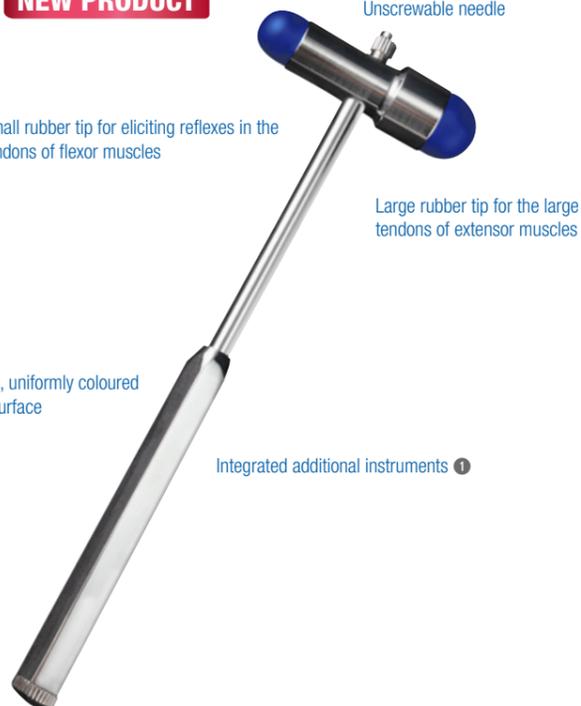
Unscrewable needle

Large rubber tip for the large tendons of extensor muscles

Smooth, uniformly coloured metal surface

Integrated additional instruments 1

Unscrewable brush



Description	Materials	Dimensions	Weight	Order number
Neurological reflex hammer, with hammer handle and head, needle and brush	Zinc alloy, Polyvinyl Chloride (PVC)	Approx. 5.6 x 18.6 cm (W x L) Ø handle approx. 1.3 cm	Approx. 75 g	HRFH01-P01

## AEROcheck® – Aneroid Sphygmomanometers | One-tube | Two-tube System

High quality aneroid sphygmomanometers, available as a one-tube 1 and two-tube system 2, for use on the upper arm. With extra shock-protected housing and large, easy-to-read scale, suitable for all medical areas. Supplied with a cuff for adults and a storage bag.

- Measurement range: 0 - 300 mmHG
- High measuring accuracy
- Resolution: 2 mmHG
- Pressure reduction rate: 2 - 3 sec
- 6 cm dial with extra shock protection ring
- Corrosion-free manometer
- Tubing length: 70 cm
- Push-in connection for a quick change of the cuff
- Washable nylon cuff cover
- Flexibly adjustable hook and loop cuff without a bothersome D-Ring

### One-tube system

The one-tube technology ensures an easy handling and impresses with its lightweight and compact design.

### Two-tube system

The sphygmomanometer with two-tube system enables a faster and more precise inflation of the cuff thanks to the distribution of the pump strokes.



Description	Materials	Dimensions (B x H x D)	Weight	Order number
One-tube system	Stainless steel, chrome plated ABS (device), nylon (cuff, bag)	18.5 x 11 x 7.5 cm	450 g	1 HBDM01-S1M60E1-BLK
Two-tube system			500 g	2 HBDM01-S2M60E1-BLK

## AEROcheck® – Aneroid Sphygmomanometer | Accessories and Spare Parts



Description	Material	Colour	Circumference	Order number	
				1 One-tube	2 Two-tube
Cuff for children	Nylon	Black	18.4 - 26.7 cm	HBDM01-KMS1K1-BLK	HBDM01-KMK1-BLK
Cuff for adults		Black	25.4 - 40.6 cm	HBDM01-KMS1E1-BLK	HBDM01-KME1-BLK
Cuff for large adults (XL)		Red	33 - 51 cm	HBDM01-KMS1XL1-R	HBDM01-KMXL1-R





AEROCASE® stands for our professional emergency backpacks and bags that can withstand the rigors of your operations. Whether in professional rescue or as a first responder, we provide you with the quality that your operation requires.

#### AEROCASE® – EMS+

Handmade emergency backpacks and bags, which are characterised by their durability under the toughest operating conditions. Easy hygienic reprocessing thanks to the outstanding EASY Clean hygiene concept and quickly ready for use again.

Further information in our catalogue AEROCASE® – Modular System, available from your AEROCASE® – Specialist Dealer.

#### AEROCASE® – EMS

Whether intubation, oxygen or medication, whatever kind of emergency is imminent: The AEROCASE® – EMS Emergency Backpacks and Bags offer perfect and flexible solutions to meet the various requirements of a comprehensive emergency care.

#### AEROCASE® – 1R

AEROCASE® – 1R Emergency Backpacks and Bags are reliable partners when it comes to medical first aid. The compact and lightweight design enables a comfortable transport which makes them the ideal companions for places of action with long distances or restricted mobility.



## Emergency Backpacks and Bags



#### ✓ General Information EMS+

- All dimensions are given without the handle; the weight refers to the product without any contents.
- Any contents shown are for illustration purposes only and are not included in the scope of supply.
- We reserve the right to make changes to the advertised products.



## AEROCASE® – PROpack Emergency Backpacks



Customizable Basic Models

Emergency backpacks with one or two shells and integrated magnetic technology.



Material	Colour	Dimensions (W x H x D)	Weight	Volume	Model	Order number
AEROTex® – PLAN <sup>PRO</sup> (Truck tarpaulin)	● Luminous Red (RAL 3024)	approx. 40 x 52 x 14 cm	approx. 2.40 kg	approx. 29 l	GTS	① HT13-SPGTS-70W/BLK
		approx. 40 x 52 x 14 cm	approx. 2.80 kg	approx. 29 l	GTSB	② HT13-SPGTSB-70W/BLK
		approx. 40 x 52 x 29 cm	approx. 3.10 kg*	approx. 48 l*	GTA 1	③ HT13-SPGTA1-70W/BLK
		approx. 40 x 52 x 29 cm	approx. 2.70 kg*	approx. 34 l*	GTA 2	④ HT13-SPGTA2-70W/BLK
		approx. 40 x 52 x 21 cm	approx. 3.00 kg	approx. 44 l	GTD	⑤ HT13-SPGTD-70W/BLK
		approx. 40 x 52 x 21 cm	approx. 3.40 kg	approx. 44 l	GTDB	⑥ HT13-SPGTDB-70W/BLK
		approx. 40 x 52 x 25 cm	approx. 3.10 kg	approx. 52 l	GT	⑦ HT13-SPGT-70W/BLK
		approx. 40 x 52 x 25 cm	approx. 3.30 kg	approx. 52 l	GTB	⑧ HT13-SPGTB-70W/BLK

\*Weight and volume without ampoule case - separately available

## AEROCASE® – PRObag Emergency Bag

Emergency bag with two shells and integrated magnetic technology.



Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN <sup>PRO</sup> (Truck tarpaulin)	● Luminous Yellow (RAL 1026)	approx. 43 x 31 x 19 cm	approx. 1.7 kg	approx. 25 l	HT13-SBM1-90W/BLK

## AEROCASE® – Modular Bags and Containers



Customizable Basic Models

Structured modular bag system in 9 different sizes (grid) for a complete and individual assembly of your bag or backpack.

The modular bags can be colour-coded according to your purpose of use and designed individually. Alternatively, colour-neutral container modular bags are available. They are placed in the interior using a flexible magnetic system, depending on the alignment (horizontal or vertical).

### Horizontal alignment

These modular bags can be placed vertically in the interior, in accordance with the grid.

### Grid example 4 x 3



### All sizes at a glance



### Verticale alignment

These modular bags can be placed vertically in the interior, in accordance with the grid.

### Grid example 2 x 4



## The AEROCASE® – Modular System



Customizable Modular Bags

An advanced developed modular system for high demands and without standard modular bags that are only suitable for one single purpose. Configure your modular bags individually according to your needs from various individual components. Fast, flexible and can be converted for any bag filling without much effort.

### Configurable for every purpose of use

- 1 Body with elastic loops in the bottom, available in 9 different sizes
- 2 Lid outside, available in 12 different RAL colours
- 3 Lid inside, available with mesh or elastic loop variants
- 4 Dividers for buttoning (on both sides), available with mesh, elastic loop variants or snap buttons for attaching transparent compartments
- 5 Partitions for dividing the body
- 6 Loop strips for buttoning (on both sides), using snap buttons, available in different variants



### Examples for different operational uses



## Standard Modular Bags - Exemplary Filling of the PROpack GTB



13 cm Lower shell

- 1 Oxygen unit ↓V (2 x 7)
- 2 Universal ↓V (2 x 3)
- 3 Universal ↓V (2 x 4)

13 cm Upper shell

- 4 Ampoule Case ↓V (2 x 4)
- 5 Bandage ↓V (2 x 4)
- 6 Intubation H (4 x 3)



## AEROCASE® – Modular System

Configuration Possibilities for Emergency Backpacks and Modular Bags



HUM  
Systems for Life®

Catalogue



You can find further information in our catalogue AEROCASE® – Modular System, available from your AEROCASE® – Specialist Dealer.

Product Information



**NEW PRODUCT: Available from approx. Q4/2025**

**COMING SOON**

The **AEROcase® – Modular System 3.0**

Lightweight | Comfortable | SMART BAGtag



**EMS+** Durability even under the toughest operating conditions

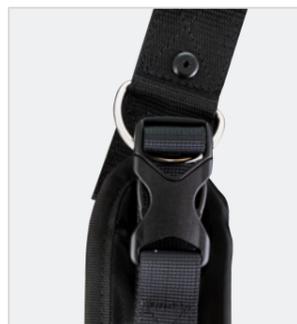
Our AEROcase® – Modular System consists of our PROpack Emergency Backpack or the PRObag Emergency bag, along with a wide range of customizable modular bags and containers. Thanks to the system's exceptional flexibility and organisation, your emergency bag becomes a personal game of Tetris. The components are handcrafted and stand out for their durability under the toughest operating conditions.

**The new features**

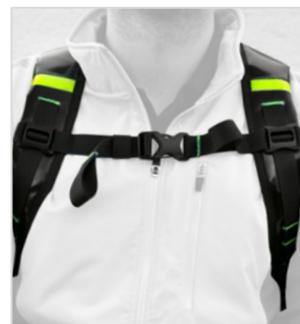
- Up to 1200 g / system lighter: weight reduction through optimized manufacturing processes
- New carrying system for added comfort: back carrying straps with improved padding, including chest strap as well as arrangement for different body shapes
- AEROcase® – SMART BAGtag: integrated RFID chips (UHF, range up to 30 m) with read and write function via scanner, from the backpack down to the smallest modular bag or container – for automatic inventory control in your RFID system and much more!



With RFID technology – also retrofittable



Improved carrying system



Includes chest strap for a secure fit



Application example

Our "AEROcase® – Modular System" Further information and sales available through our AEROcase® – Specialist Dealers



Further information on the SMART BAGtag with RFID or NFC



**AEROcase® – EASY Click**

Customizable EASY Click System

Easy and quick fixation and withdrawal of ampoules up to 17 mm in diameter.

**Model**

1 EASY Click - Ampoule Rail Set, for 2 x 4 Ampoule Case (Including 1x rail, 2x rail tail adapter and 20x clip)

- 1 - 2 ml ampoule fits 11 times on 2 x 4 ampoule rail
- 5 ml ampoule fits 8 times on 2 x 4 ampoule rail
- 10 ml ampoule fits 7 times on 2 x 4 ampoule rail



2 EASY Click - Ampoule Rail Set, for 4 x 4 Ampoule Case (Including 1x rail, 2x rail tail adapter and 20x clip)

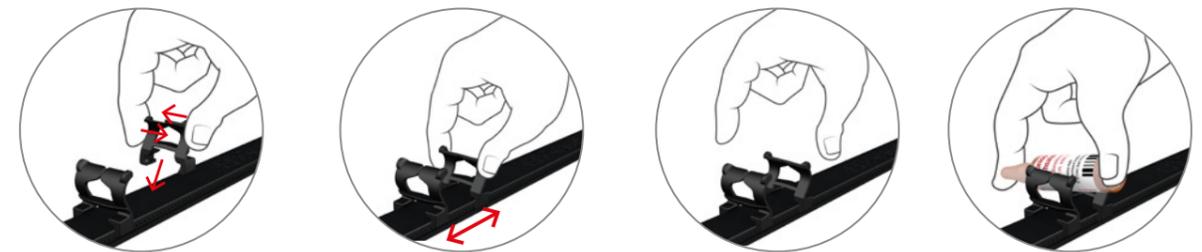
- 1 - 2 ml ampoule fits 16 times on 4 x 4 ampoule rail
- 5 ml ampoule fits 12 times on 4 x 4 ampoule rail
- 10 ml ampoule fits 11 times on 4 x 4 ampoule rail



**Sample Assembly**



**Application**



1. Squeeze the clip and place it on the rail

2. Position the clip as needed

3. Release, squeeze the bottom end parts, fixed

4. Ready for assembly

## AEROCASE® – OXYbag

Compact oxygen bags for oxygen cylinders up to 2 liters, available in "Small" (as a "slim" version without front pocket) and "Medium".

- All-round padding and with integrated plastic plate for interior protection and preservation of form stability
- Safe fixation of the oxygen cylinder thanks to stable fastening straps in the main compartment
- Regulation of the O<sub>2</sub> flow and control of the cylinder contents via EASY Access Window
- Storage of the oxygen equipment in the internal storage compartments and the front pocket (only OXYbag M2)

### 1 OXYbag S2



### Pleasant carrying comfort

- Padded shoulder carrying strap
- Magnetically closable fastening straps for the safe transport to a stretcher



### EASY Access Window

- Permanent option to regulate the O<sub>2</sub> flow via magnetic EASY Access Window
- Continuous control of the oxygen cylinder contents

### Locking strap

To restrict the max. opening width

### 2 OXYbag M2



with additional front pocket



### SIMS - Snap In Magnetic System

Fastening straps with magnetic buckles



### OXYbag M2 WINCH

Our OXYbag M2 WINCH for Winch Rescue can be found here.



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN <sup>PRO</sup> (Truck tarpaulin)	● Gentian Blue (RAL 5010)	S	approx. 52 x 22 x 14 cm	approx. 1.1 kg	approx. 16 l	1 HT13-OXYBS2-1
		M	approx. 52 x 22 x 20 cm	approx. 1.4 kg	approx. 23 l	2 HT13-OXYBM2-1

Special Equipment

## AEROCASE® – IMMObag

Compact emergency bag for your immobilization equipment.

Thanks to its special design, the IMMObag offers the possibility of storing all relevant products (e.g. EASY Splint Universal Splints, EASY Collar Cervical Collars, KED systems, vacuum splints, pelvic slings, etc.) in a single bag and carrying them along to the place of action.

The compartment on the front and on the back enables a quick access to the material. The compact form and the tarpaulin reinforced handle allow a balanced carrying comfort. Optionally available carrying straps offer the possibility of attachment directly to the spineboard in a few simple steps.

Perfectly equipped for the immobilization - structured and well thought-out

### Balanced carrying comfort

- Thanks to the tarpaulin reinforced handle and compact form

### Additional handles

- For placing upright
- Attachment to the spine board

### Subdivided compartment

- With 6 compartments for holding cervical collars and pelvic slings



### Attachment option

- Optionally available carrying straps for attachment directly to the spineboard

1 Application example with BaXstrap spineboard from Laerdal Medical

LAERDAL is a registered trademark of Laerdal Medical AS, P.O. Box 377 N-4002 Stavanger, NO

2 Application example with Scoop 65 EXL from FERNO Transport GmbH

FERNO is a registered trademark of FERNO-WASHINGTON INC, 45177-9371, Wilmington, US



Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN <sup>PRO</sup> (Truck tarpaulin)	● Luminous Red (RAL 3024)	approx. 84.5 x 24 x 29 cm	approx. 1.65 kg	approx. 59 l	HT13-IMMOBL2-7Y/Y

Special Equipment



### Main compartment

- Large storage space for holding a KED system or alternatively a vacuum splint set

### Large front compartment

- Equipped with horizontal double loops on the left and with vertical loops on the right
- For holding splints, pelvic slings, spiders, etc.



## AEROCASE® – FirstAid Bag

Special Equipment

First aid bag with comfortable SIMS = Snap In Magnetic System, a wall hanging storage solution with magnetic closure. Excellent craftsmanship using high quality materials.

- For stationary and mobile use
- Structured and well thought-out internal compartments
- Generous space for extensive first aid equipment
- Lightweight and stable construction



Front compartment for accident book



Transparent side pockets

### SIMS - Snap In Magnetic System



Wall bracket with magnetic closure

### Perfect ease of use

- Generous access to the main compartment
- Well thought-out internal compartments for a clearly arranged first aid equipment
- Fixation loops in different sizes, arranged horizontally and vertically
- Roll-out inner compartments with closable transparent pockets and compartments
- Protection against dirt
- No slipping out of the equipment

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	approx. 45 x 31 x 18 cm	approx. 1.1 kg	approx. 25 l	HT13-ABL1-R



approx. 90 cm

## AEROCASE® – WEARbag

Personal Equipment

Spacious clothing bag in "Large / Extra Large" made of AEROTex® – PLAN (Tarpaulin). The multifunctional spatial miracle - for the hygienic storage of your personal protective clothing and special equipment.

- Practical extension function for size adjustment as required
- Main compartment with 2 lateral inner pockets lengthwise as well as front compartment and lateral extra pocket
- Hygienic storage of clothing thanks to a separate boot compartment made of tarpaulin material
- Dust-proof zippers protect the interior against dirt
- Including padded back carrying straps and additional shoulder carrying strap



Extension function



Stable eyelets for attaching the carrying straps



Large main compartment



Separate boot compartment

### The quality in detail



Extra strong and double riveted metal eyelets for shoulder carrying straps (colour markings R/L alignment)



Adapted reflective strips with our AEROCASE® – A



Sewn-in black web label as a uniform design detail



Easy-grip, disinfectable zipper pullers in Grey and optionally available in Luminous Yellow (HT10-ZP02C-Y10 – SU 10 pcs.)

### Versatile carrying system



Wide, padded back carrying straps



Additional shoulder carrying strap



Stable carrying handles



### NEW PRODUCT

Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	L/XL	approx. 70 (80) x 40 x 45 cm	approx. 2.5 kg	approx. 126 (144) l	① HT23-WEARBLXL1-69
	● Ultramarine Blue (RAL 5002)					② HT23-WEARBLXL1-19
	● Luminous Yellow (RAL 1026)					③ HT23-WEARBLXL1-99
	● Black					④ HT23-WEARBLXL1-09
	● Luminous Red (RAL 3024)					⑤ HT23-WEARBLXL1-79

## AEROCASE® – ORGAbag DIN A4

Personal Equipment

Organizer in DIN A4 format for the clear organization and storage of forms, documents, vehicle papers, writing utensils, etc. With many practical details that simplify the daily use.



**Snap Back handle**  
When opened, the folder is flat on the ground



Including aluminum clipboard with anti-scratch coating, attachable and in the slide-in compartment on the back

Flexible organizational talents

- Can be upgraded and retrofitted, you always make the right decision

### Filling examples



### SIMS - Snap In Magnetic System

Key clip, to attach magnetically

Colour-coded compartments



Mask for 4-hole punch with integrated ruler



1



2



3



4

Material	Colour	Dimensions (W x H x D)	Weight	Order number	
				4-hole punch	2-hole punch
AEROTex® – PLAN (Tarpaulin)	● Luminous Red (RAL 3024)	approx. 29 x 37.5 x 6.5 cm	approx. 1 kg	1 HT13-ORGAB41-7	HT13-ORGAB42-7
	● Ultramarine Blue (RAL 5002)			2 HT13-ORGAB41-1	HT13-ORGAB42-1
	● Luminous Yellow (RAL 1026)			3 HT13-ORGAB41-9	HT13-ORGAB42-9
	● Black			4 HT13-ORGAB41-0	HT13-ORGAB42-0

## AEROCASE® – Clipboard

Spare Parts

Attachable aluminum clipboard with anti-scratch coating, available as a separately orderable spare part for the AEROCASE® – ORGAbag DIN A4. Supplied including loop tape.



With practical hanging feature

Material	Colour	Dimensions (W x H x D)	Weight	Order number
Aluminium	● Silber	approx. 23 x 32 x 0.10 cm	approx. 0.25 kg	HT00-ORGAB4-CB1/KB

## AEROCASE® – ORGAbag DIN A5

Personal Equipment

Organizer in DIN A5 format for the clear organization and storage of forms, documents, vehicle papers, writing utensils, etc. With many practical details that simplify the daily use.

### SIMS - Snap In Magnetic System



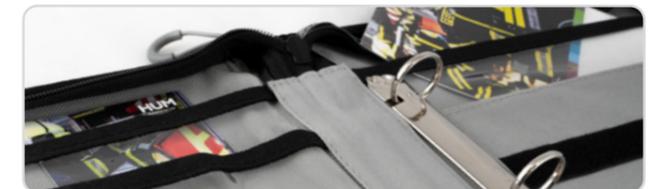
Key clip, to attach magnetically



Clear interior layout

- Transparent inner pockets
- Elastic fixation loops for writing utensils

### Filling examples



1



2



3



4

### NEW PRODUCT

Material	Colour	Dimensions (W x H x D)	Weight	Order number	
				4-hole punch	2-hole punch
AEROTex® – PLAN (Tarpaulin)	● Ultramarine Blue (RAL 5002)	approx. 29 x 22.5 x 5 cm	approx. 0.5 kg	1 HT13-ORGAB51-1	HT13-ORGAB51-1
	● Luminous Yellow (RAL 1026)			2 HT13-ORGAB51-9	HT13-ORGAB51-9
	● Black			3 HT13-ORGAB51-0	HT13-ORGAB51-0
	● Luminous Red (RAL 3024)			4 HT13-ORGAB51-7	HT13-ORGAB51-7



## Emergency Backpacks and Bags



### ✓ General Information EMS

- All dimensions are given without the handle; the weight includes the modular bags, but without their contents.
- Any contents shown are for illustration purposes only and are not included in the scope of supply.
- We reserve the right to make changes to the advertised products.

### AEROCASE® – MPXL1C

Extremely durable emergency backpack EMS in "Extra Large" made of AERotex® – PLAN (Tarpaulin), available in different colours as well as in black with a special matt finish. Developed for the continuous use in the emergency medical service and for civil protection.

- Two-part interior with 7 transparent modular bags in different sizes
- Integrated oxygen cylinder holder for oxygen cylinder (0.8 | 1 | 2 liters)
- Hinged front and center wall with numerous transparent compartments and fixation loops
- Additional fixation loops: front pocket below, within inner frame
- 2 small and 1 elongated side pocket, 2 large front pockets and document compartment
- 2 ergonomic comfort carrying handles on top and lateral side
- Removable padded back carrying straps with quick release straps for fixation on the body
- Bidirectional zippers
- Reinforced bottom protection



Hook and loop strip for patches



180°



### The quality in detail



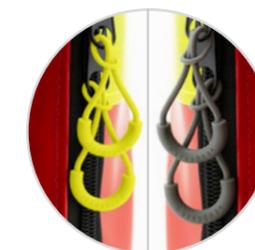
Robust, non-slip, disinfectable carrying handles



Transparent window for inserting labels



Extra strong and double riveted metal eyelets for back carrying straps (colour markings R/L alignment)



Easy-grip, disinfectable zipper pullers in Luminous Yellow and optionally available in Grey (HT10-ZP02C-Y/10 – SU 10 pcs.)



Including 7 modular bags

Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AERotex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	XL	approx. 50 x 52 x 25 cm	approx. 4.1 kg	approx. 59 l	① HT03-MPXL1C-R
	● Ultramarine Blue (RAL 5002)					② HT03-MPXL1C-B
	● Luminous Yellow (RAL 1026)					③ HT03-MPXL1C-Y
	● Jet Black (RAL 9005)					④ HT03-MPXL1C-BLK
	● Luminous Red (RAL 3024)					⑤ HT03-MPXL1C-LR

**AEROCASE® – MPXL1C | Spare Parts**

Spare Parts

**Back carrying straps**



Material	Colour	Suitable for	Alignment	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	HT03-MPXL1C-R	Right	① HT03-MPXL1C-GR/R-R
			Left	② HT03-MPXL1C-GR/L-R
	● Ultramarine Blue (RAL 5002)	HT03-MPXL1C-B	Right	③ HT03-MPXL1C-GR/R-B
			Left	④ HT03-MPXL1C-GR/L-B
	● Luminous Yellow (RAL 1026)	HT03-MPXL1C-Y	Right	⑤ HT03-MPXL1C-GR/R-Y
			Left	⑥ HT03-MPXL1C-GR/L-Y

**Modular Bags**



Material	Colour	Suitable for	Size	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	Emergency Backpack MPXL1C	S	① HT03-MPXL1-CS-R
	● Grey			② HT03-MPXL1-CS-GR
	● Signal Red (RAL 3001)		M	③ HT03-MPXL1-CM-R
	● Grey			④ HT03-MPXL1-CM-GR
	● Signal Red (RAL 3001)		L	⑤ HT03-MPXL1-CL-R
	● Grey			⑥ HT03-MPXL1-CL-GR
	● Signal Red (RAL 3001)		XL	⑦ HT03-MPXL1-CXL-R
	● Grey			⑧ HT03-MPXL1-CXL-GR

**AEROCASE® – SEG XL**

Discontinued item

Extremely durable SEG emergency backpack of the EMS series in "Extra Large" in a slim design. Made of AEROTex® – PLAN (Tarpaulin), available in different colours as well as in black with a special matt finish. Developed for the continuous use in the emergency medical service and for MANV scenarios. Safe transport of emergency equipment with the highest possible carrying comfort and with large space. Delivery including 4 modular bags.

- Interior with 4 modular bags with hook and loop fastening
- Inside of the lid with various compartments and loops, suitable for documentation such as medical emergency triage tags (Met-Tags), for small equipment and pens
- With flat front compartment, suitable for e.g. clipboard
- Robust, non-slip, disinfectable carrying handles
- Transparent window for inserting labels
- Extra strong and double riveted metal eyelets for back carrying straps (colour markings R/L alignment)
- Easy-grip, disinfectable zipper pullers in Luminous Yellow and optionally available in Grey (HT10-ZP02C-GR/10 – SU 10 pcs.)



Reorderable: HT03-MPSEGXL1-C-SET



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	XL	approx. 37 x 54 x 17 cm	approx. 3.26 kg	approx. 34 l	① HT03-MPSEGXL1C-R
	● Ultramarine Blue (RAL 5002)					② HT03-MPSEGXL1C-B
	● Luminous Yellow (RAL 1026)					③ HT03-MPSEGXL1C-Y
	● Jet Black (RAL 9005)					④ HT03-MPSEGXL1C-BLK
	● Luminous Red (RAL 3024)					⑤ HT03-MPSEGXL1C-LR

**AEROCASE® – EPMC**

Discontinued item

AED emergency backpack EMS in "Medium", made of durable AEROTex® – PLAN (Tarpaulin), with padded front pocket for the safe transport of almost all common AED devices. Thanks to the unique unfolding mechanism, all compartments can be accessed quickly in an emergency situation and offer a structured overview.

- Unfoldable outer pocket with padded panel for almost all common AED devices
- Two-part interior with 2 transparent compartments and 3 modular pockets provides generous storage space
- Removable and variable padded panel to protect the device
- High carrying comfort thanks to robust carrying handles and padded, removable back carrying straps
- Hook and loop strip on the front for customized labelling



Padded panel in the front compartment



Including 3 modular bags



Comfortable transport with padded shoulder carrying strap

Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	M	approx. 40 x 42 x 27 cm	approx. 2.9 kg	approx. 45 l	HT03-EPMC

**AEROCASE® – MCAS1**

Ampoule Cases

EMS ampoule case in "Small" made of AEROTex® – PLAN (Tarpaulin) for the shatter-proof storage of ampoules, cannulas and syringes.

**Small ampoule case**

- Holds 50 ampoules (24x 1 ml | 14x 1 - 2 ml | 7x 5 ml | 5x 10 ml)
- Removable divider with hook and loop material
- Incorporated fixation loops on both sides
- Transparent window for a parts list
- All-round integrated foam protects the contents from shattering
- Hook and loop strip on the back for the optimal attachment in emergency cases
- Space-saving storage in emergency bags or backpacks



Holds 50 ampoules



Removable divider with hook and loop material



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	S	approx. 18 x 14 x 7.5 cm	approx. 0.23 kg	approx. 1.9 l	HT03-MCAS1-R

**AEROCASE® – MCAL1**

Discontinued item

Ampoule Cases

EMS ampoule case in "Large" made of AEROTex® – PLAN (Tarpaulin) for the shatter-proof storage of ampoules, cannulas and syringes.

**Large ampoule**

- Removable ampoule boards with professional ampoule rails and 3 elastic fixation loops
- Padded divider with spacious transparent compartments for syringes, cannulas, etc.
- All-round integrated foam protects the contents from shattering
- Transparent window for parts list / labelling
- Hook and loop strip on the back for the optimal attachment in emergency cases
- Bidirectional zipper with zipper puller



Holds 66 ampoules and 6 vials



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	L	approx. 27 x 22 x 9.5 cm	approx. 1.20 kg	approx. 6 l	HT03-MCAL1-R

**COMING SOON**

**NEW PRODUCT: Available from approx. Q1/2026**

The **AEROcase® – MEDpacks**

Innovative | Versatile | **SMART BAGtag**

**EMS** Designed for continuous use, with an excellent price-performance ratio

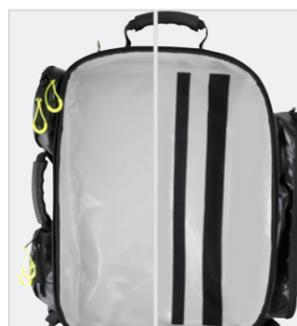
Discover the next generation of emergency backpacks in our AEROcase® – EMS series. We are pleased to present our new concept – the “MEDpack”, with a total of four models: AEROcase® – MEDpack Basic, SEG, AED and Ampoule. Our EMS series ensures professionalism for maximum operational readiness to meet the various requirements of a comprehensive emergency care.

**The new features**

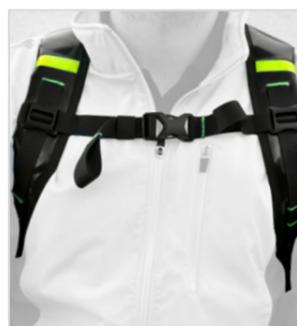
- ✎ **With hook and loop or magnetic system in the lower shell:** We offer you maximum flexibility!
- ✎ **Improved modular bags:** 4 optimised standard modular bags for more storage options as well as additional sets for oxygen, the front pockets and medication
- ✎ **New carrying system for additional comfort:** back carrying straps with improved padding including chest strap and arrangement for different body shapes
- ✎ **Brand new design:** facelift of the previous EMS Emergency Backpacks, with AEROcase® – MEDpack Basic as standard model with enlarged front pockets, alternatively for specific areas of application such as SEG, AED and medication
- ✎ **AEROcase® – SMART BAGtag:** retrofittable NFC chips for reading and writing personal data via smartphone (HF, range up to 2 m)
- ✎ All lower shells have the same design, only the upper shells indicate the different MEDpack version.



With retrofittable NFC technology



Optionally with magnet or hook and loop



Includes chest strap for a secure fit



Application example

**The new models**



AEROcase® – MEDpack Basic



AEROcase® – MEDpack SEG



AEROcase® – MEDpack AED



AEROcase® – MEDpack Ampoule



AEROcase® – Modular Bag MCAL 2.0 Ampoule Case

**AEROcase® – Modular Bag Sets for MEDpacks**

**NEW PRODUCT**

All MEDpacks are supplied with 4 standard modular bags, which can also be reordered individually. Depending on the choice of emergency backpack, the modular bags have either a hook and loop or magnetic system (3 x 5 grid). We also offer additional sets for oxygen and front pockets.



Variant with magnet



Variant with hook and loop



Application example

**The new models**



AEROcase® – Modular Bag Set Standard



AEROcase® – Optional Modular Bag Set Oxygen Accessory



AEROcase® – Optional Modular Bag Set Front Pocket Accessory



You can find more information about our new products here!



Further information on the SMART BAGtag with RFID or NFC

## AEROCASE® – Belt Ampoule Holder

**NEW PRODUCT**

Ampoule holder EMS in "Medium" made of red AEROTex® – PLAN (Tarpaulin) with special finish, for the shatterproof storage of ampoules directly on the belt. Suitable as a space-saving alternative for placement in emergency backpacks or bags.

- Made from water-repellent and disinfected tarpaulin material with a special matt finish
- Available in Signal Red (RAL 3001)
- Suitable for holding 8 large ampoules (10 ml) or up to 16 small ampoules (1 - 2 ml)
- With practical belt loop for fixed attachment and a belt clip for removable attachment on the back
- Divider made of film for labelling
- Incorporated fixation loops on both sides
- All-round integrated foam protects the contents from shattering



Divider made of film for labelling

Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	S	approx. 12 x 8 x 5 cm	approx. 0.1 kg	approx. 0.48 l	HT13-SBGA01-R

## The perfect solution for attaching in the vehicle

### EASY Click - Ampoule Rail System

Are you still looking for an ideal attaching option in the vehicle and you are not satisfied with the usual solutions? With our EASY Click - Ampoule Rail System, we offer you an ideal solution!

- Suitable for the flexible storage of all required ampoules in the medicine cabinet
- Innovative option for the safe transport of ampoules and vials
- For an easy and fast fixation as well as removal of the ampoules
- Made of high-tech plastic
- For ampoules up to 17 mm in diameter

You can find more information about our EASY Click models as well as the application from page 45. Additional individually attachable components can be found in the catalogue "AEROCASE® – Modular System".



Application example on acrylic removable plate in the medicine cabinet

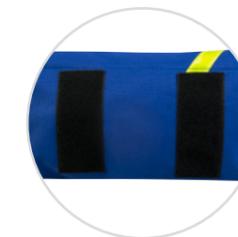
## AEROCASE® – MCIS1

Intubation bag EMS in "Small" made of AEROTex® – DURA (Nylon) for holding the materials required for airway management, such as endotracheal tubes, stylets, laryngoscope blades and other items.

### Intubation Bag MCIS1

Space-saving, rollable intubation bag made of durable nylon material AEROTex® – DURA (Nylon).

- High quality nylon: Particularly tear-resistant fibers | Durable and long lasting
- Clearly structured interior with wide, stable fixation loops
- Spacious inner pocket that can be closed separately
- Lateral flaps protect the contents from falling out
- Length-adjustable closure strap with width adjustment via hoop and loop fastener



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – DURA (Nylon)	● Ultramarine Blue (RAL 5002)	S	approx. 30 x 16 x 4 cm	approx. 0.24 kg	approx. 2 l	HT01-MCIS1-B

## AEROCASE® – MCIL1

Intubation bag EMS in "Large" made of AEROTex® – PLAN (Tarpaulin) for holding the materials required for airway management, such as endotracheal tubes, stylets, laryngoscope blades and other items.

### Intubation Bag MCIL1

Large spacious intubation bag made of durable AEROTex® – PLAN (Tarpaulin).

- Robust and well-disinfectable processed materials
- Elastic fixation loops on the bottom and lid
  - Fixed fixation loops for items such as Guedel tubes, laryngoscope blades and handles, Magill forceps and stylets
  - Fixation loops with snaps for items such as tube holders and plaster roll
- Transparent compartments with magnetic closure for storing endotracheal tubes and laryngeal masks
- Transparent window on the front for parts list / labelling
- Hook and loop strip on the back for the optimal attachment in emergency cases
- Bidirectional zipper with zipper puller



Hook and loop strip for attachment



Fixation loops and compartments

Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Ultramarine Blue (RAL 5002)	L	approx. 35 x 25 x 10 cm	approx. 0.90 kg	approx. 9 l	HT03-MCIL1-B

**AEROCASE® – MBVL1**

Discontinued item

Emergency bag EMS in "Large" made of AEROTex® – PLAN (Tarpaulin).

- Structured, practical interior layout with versatile organizational options
- Main compartment in the bottom with variably adjustable partitioning system
- Fixable, removable center wall with straps, loops and compartments in the upper main compartment for an optimal organization of size-specific materials

- Comfortable transport thanks to ergonomic comfort handle and padded shoulder carrying strap
- Protected bottom and back area
- Main compartment in the lid with large closable compartments and fixation loops



Hook and loop strip for patches

**Protected bottom and back area**

Including shoulder carrying strap

**Interior concept for professional use**

180°

Individual separation made easy

**Filling example**

Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	L	approx. 45 x 34 x 19 cm	approx. 2.9 kg	approx. 29 l	HT03-MBVL1-R

**AEROCASE® – MBOL1**

Emergency oxygen bag EMS in "Large" made of blue AEROTex® – PLAN (Tarpaulin).

- Padded outer walls protect the interior
- Main compartment made of AEROTex® – PLAN (Tarpaulin), with fixation straps for oxygen cylinders (2 and 5 liters) and additional storage compartments ①
- External front pocket ② with hook and loop strip ⑦, for the inclusion of the additional respiratory accessories
- Locking strap to restrict the max. opening width ③
- EASY Access Window to regulate the O<sub>2</sub> flow and control of the cylinder contents ④
- Fixation straps for the transport to a stretcher ⑤
- Comfortable transport with padded shoulder carrying strap or wide carrying straps ⑥
- Hook and loop strip for patches ⑦



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Ultramarine Blue (RAL 5002)	L	approx. 55 x 21 x 31 cm	approx. 1.4 kg	approx. 36 l	HT03-MBOL1-B

**1R**

# Emergency Backpacks and Bags



## ✓ General Information 1R

- All dimensions are given without the handle; the weight includes the modular bags, but without their contents.
- Any contents shown are for illustration purposes only and are not included in the scope of supply.
- We reserve the right to make changes to the advertised products.

## AEROCASE® – RPL1C

Emergency backpack 1R in "Large" made of AEROTEX® – PLAN (Tarpaulin) or AEROTEX® – PES (Polyester).

- Main compartment with stable body frame and removable partition
- 5 transparent, dimensionally stable modular bags with hook and loop fastening in the interior: 3 in the main compartment, 2 in the unfoldable front
- Elastic fixation straps inside, 2 side pockets, 2 front pockets, transparent compartment
- Ergonomically improved carrying handle and padded back carrying straps with quick release straps for fixation to the body
- Reinforced bottom protection made of tarpaulin material
- Bidirectional zippers
- Hook and loop strip for patches



Padded, ergonomic back carrying straps

Mesh in the back area



For all models



High quality black AEROTEX® – PES (Polyester) in the interior of the main compartment and the front pocket

Particularly tear-resistant and easily washable! - for all models -

Clear interior concept

## Individual organization

- 5 modular bags in different sizes
- Tarpaulin - single colour
- Polyester - colour-coded
- Transparent window and handles



Model: Tarpaulin



Model: Polyester

## AER0tex® – PLAN



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Equipment	Order number
AER0tex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	L	approx. 36 x 47 x 26 cm	approx. 2 kg	approx. 44 l	Modular Bag Set, Tarpaulin, Red	① HT03-RPL1C-R
	● Ultramarine Blue (RAL 5002)					Modular Bag Set, Tarpaulin, Blue	② HT03-RPL1C-B
	● Luminous Yellow (RAL 1026)					Modular Bag Set, Tarpaulin, Luminous Yellow	③ HT03-RPL1C-Y
	● Jet Black (RAL 9005)					Modular Bag Set, Tarpaulin, Jet Black	④ HT03-RPL1C-BLK
	● Signal Violet (RAL 4008)					Modular Bag Set, Tarpaulin, Violet	⑤ HT03-RPL1C-V
	● Luminous Red (RAL 3024)					Modular Bag Set, Tarpaulin, Luminous Red	⑥ HT03-RPL1C-LR

## AER0tex® – PES



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Equipment	Order number
AER0tex® – PES (Polyester)	● Signal Red (RAL 3001)	L	approx. 36 x 47 x 26 cm	approx. 1.7 kg	approx. 44 l	Modular Bag Set Polyester, 5-colour	⑥ HT01-RPL1C-R
	● Ultramarine Blue (RAL 5002)						⑦ HT01-RPL1C-B
	● Black						⑧ HT01-RPL1C-BLK

## Modular Bag Sets



Material	Colour	Order number
AER0tex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	① HT03-RPL1-C-SET-R
	● Ultramarine Blue (RAL 5002)	② HT03-RPL1-C-SET-B
	● Luminous Yellow (RAL 1026)	③ HT03-RPL1-C-SET-Y
	● Jet Black (RAL 9005)	④ HT03-RPL1-C-SET-BLK
	● Luminous Red (RAL 3024)	⑤ HT03-RPL1-C-SET-LR
	● Signal Violet (RAL 4008)	⑥ HT03-RPL1-C-SET-V
AER0tex® – PES (Polyester)	● ● ● ● ● 5-colour	⑦ HT03-RPL1-C-SET
	● ● ● ● ● 5-colour	⑧ HT01-RPL1-C-SET

# HUM

Systems for Life®

## AEROCASE® – RBS1 | RBM1 | RBL1

Emergency bag 1R in "Small", "Medium" and "Large" made of AEROTEX® – PLAN (Tarpaulin) or AEROTEX® – PES (Polyester). Ideal for professional first aid. Extremely robust, durable and dimensionally stable constructed as well as equipped with high quality wide zippers.



### Size S

For holding of smaller basic equipments



### Size M

With additional extra space for an extended basic equipment



### Size L

With divided front pocket, many additional fixation loops, compartments and large lid pocket

### Processing details

- Zipper in signal colour for improved visibility
- Wide hook and loop strip (4 cm) for patches
- All-round highly reflective strips
- Transparent compartment for the clearly visible storage of documents and information

### Professionally organized

#### 2 large side pockets

- Plenty of optional storage space

#### Spacious front pocket

- Large front pocket with more sorting options

#### Protected bottom area

- Trough shaped bottom made of stable tarpaulin material
- 5 robust plastic pyramid feet
- Stability and protection



Wide hook and loop strip for attaching individual patches



5 robust plastic pyramid feet



Including shoulder carrying strap



Zipper in signal colour

## Further equipment details RBS1 | RBM1

### Clearly arranged interior

- Large and clear space
- Inside zipper compartment in the lid
- Three-part main compartment with fixed interior division
- Reasonable arranged fixation loops
  - in the lid
  - at the inner backside

### Flexible

- Compact and space-saving design
- Multifunctional storage compartments
- Easy to use

### All-round protection

- Very robust and durable
- Dimensionally stable construction

### More room for maneuver

- Supplied with shoulder carrying strap
- Hands free for more mobility

### Padded interior division

- Protects the equipment
- Ensures order

### Large transparent compartment

- Plenty of space to quickly identify documents and information



Lid for individual labelling

## Further equipment details RBL1

### Professionally organized

- Very large amount of space for extensive equipment
- Inside zipper compartment in the lid
- Structured, practical interior division
- Interior with variable partitioning system
- Robust fixation loops (Quality A) in:
  - interior
  - front pocket

### Divided front pocket

- Many useful loops and dividers of different sizes
- Can be used e.g. for infusion accessories, diagnostic devices, etc

### Optimal protection

- Reinforced side walls
- All-round padded
- Protected bottom area

### Variable interior

- Removable and divisible bars



Elaborately divided front pocket



## AEROCASE® – RBS1



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AERotex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	S	approx. 37 x 21 x 27 cm	approx. 1.0 kg	approx. 21 l	① HT03-RBS1-R
	● Ultramarine Blue (RAL 5002)					② HT03-RBS1-B
	● Luminous Yellow (RAL 1026)					③ HT03-RBS1-Y
	● Jet Black (RAL 9005)					④ HT03-RBS1-BLK
	● Luminous Red (RAL 3024)					⑤ HT03-RBS1-LR
AERotex® – PES (Polyester)	● Signal Red (RAL 3001)			approx. 0.7 kg		⑥ HT01-RBS1-R
	● Ultramarine Blue (RAL 5002)					⑦ HT01-RBS1-B

## AEROCASE® – RBM1



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AERotex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	M	approx. 43 x 25 x 27 cm	approx. 1.0 kg	approx. 29 l	① HT03-RBM1-R
	● Ultramarine Blue (RAL 5002)					② HT03-RBM1-B
	● Luminous Yellow (RAL 1026)					③ HT03-RBM1-Y
	● Jet Black (RAL 9005)					④ HT03-RBM1-BLK
	● Luminous Red (RAL 3024)					⑤ HT03-RBM1-LR
AERotex® – PES (Polyester)	● Signal Red (RAL 3001)			approx. 0.8 kg		⑥ HT01-RBM1-R
	● Ultramarine Blue (RAL 5002)					⑦ HT01-RBM1-B

## AEROCASE® – RBL1



Material	Colour	Size	Dimensions (W x H x D)	Weight	Volume	Order number
AERotex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	L	approx. 52 x 32 x 32 cm	approx. 1.5 kg	approx. 53 l	① HT03-RBL1-R
	● Ultramarine Blue (RAL 5002)					② HT03-RBL1-B
	● Luminous Yellow (RAL 1026)					③ HT03-RBL1-Y
	● Jet Black (RAL 9005)					④ HT03-RBL1-BLK
	● Luminous Red (RAL 3024)					⑤ HT03-RBL1-LR
AERotex® – PES (Polyester)	● Signal Red (RAL 3001)			approx. 1.2 kg		⑥ HT01-RBL1-R
	● Ultramarine Blue (RAL 5002)					⑦ HT01-RBL1-B
	● Black					⑧ HT01-RBL1-BLK

**HUM**  
Systems for Life®

**AEROCASE® – RBVM1C****NEW PRODUCT**

Extremely robust emergency bag in "Medium", made of red AEROTex® – PLAN (Tarpaulin) with variable interior design, including oxygen cylinder holder. Supplied with 4 modular bags.

- Integrated holder for 0.8 | 1 | 2 liter oxygen cylinder
- Variably divisible main compartment with 3 removable partitions for an individual compartment separation
- 4-colour coded inner bags with carrying straps for the individual organization – visible, portable and stable
- Inner compartment in the inside modular bag cover / closure flap
- Large transparent compartment on the front for individual labelling
- Equipped with carrying handles, a combined removable shoulder / back strap and 5 plastic feet
- Bidirectional zipper



Hook and loop strip for patches



Variable divided main compartment with partitions

Integrated holder for O<sub>2</sub> cylinder

In the upper part of the bag, the modular bags are secured with a closure flap



Including 4-colour coded modular bags

Material	Colour	Dimensions (W x H x D)	Weight	Volume	Order number
AEROTex® – PLAN (Tarpaulin)	● Signal Red (RAL 3001)	approx. 47 x 28 x 25 cm	approx. 2.48 kg	approx. 33 l	① HT03-RBVM1C
	● ● ● ● 4-colour	approx. 24 x 13 x 10 cm	-	-	② HT03-RBVM1-C-SET

**AEROfusion****First Aid | Tourniquets**

AEROfusion is our brand for first aid in the field of tourniquets which offer you high functionality and the possibility of individualisation at the same time. Professional and patient-friendly, applicable in emergency medical service, in hospital or in medical practices as well as care facilities.

**AEROfusion – One-Handed Tourniquet**

As an important part of every first aid and practice equipment, we offer you with our AEROfusion – One-Handed Tourniquets a patient-friendly and safe solution.

Thanks to the multifunctional closure, which allows separate decongestion and releasing, you save time while applying and protect the patient from bruises or pinched skin at the same time. In addition, the polyester strap is skin-friendly and particularly robust with an elasticity of 250 %.

## AEROfusion – One-Handed Tourniquet

Professional and patient-friendly tourniquet, suitable for adults and children. Customizable solution, convenient one-hand operation and can be decongested and released separately, thanks to the multifunctional closure.

### Ambulatory aid for

- Blood congestion
- Blood draw
- Infusion

### Easy handling

- Multifunctional closure for easy opening and loosening
- Fast one-hand operation without reaching round
- Easy to apply and safe decongestion
- Safely rolled up due to clamp closure
- With eyelet for hanging

### Patient-friendly and safe

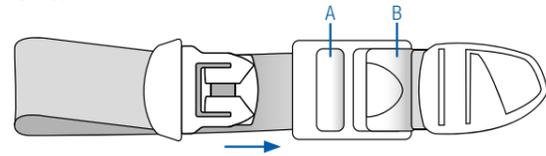
- No pinching, clamping or bruising of the skin
- Skin-friendly and with an elasticity of 250 % very robust polyester strap
- Reliable hold thanks to stable safety closure
- Disinfectable and machine-washable up to 

### Operation

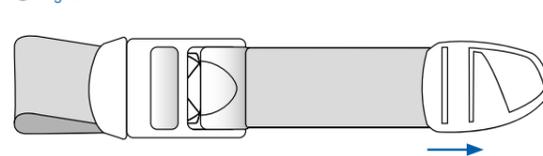
- Place the compression loop around the arm, then push the tab into the buckle. ❶
- Pull the loose end until the blood supply is sufficiently arrested. ❷
- For loosening the compression loop, press button B. ❸
- Open the tourniquet by pressing button A. ❹



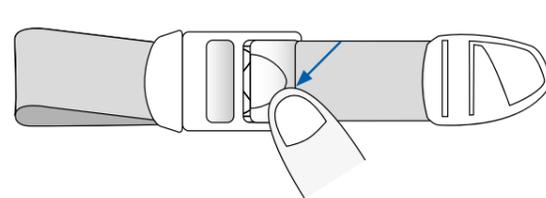
#### ❶ Lock



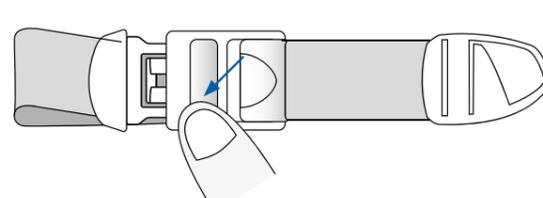
#### ❷ Tighten



#### ❸ Loosen



#### ❹ Unlock



### Customized tourniquets available upon request

With individual customer logo and possible selection of 10 different colours!

Materials	Standard colour*	Dimensions (L x W)	Weight	Order number
Polyester, elastane (strap), ABS (buckle)	Blue / White	40 x 3.5 cm (2.5 cm width strap)	approx. 31 g	HVS01-25W/B-V2.0

\*Due to the printing process, colour deviations are possible



AERouse stands for first class solutions in the field of first aid as well as optimal protection in emergency medical service. We offer you reliable products for highest demands and versatile applications.

### AERouse – EASY Gloves | Single Use Gloves Nitrile

Our single use gloves meets your requirements for high quality Personal Protective Equipment in various applications. Whether examining infectious patients, handling chemicals, in the laboratory or contact with food - protection and a high wearing comfort play a central role at any time.

### AERouse – Instant Cold Compress

Whether in health care facilities, companies or in private use, instant cold compresses should not be missing in any first aid equipment. With the AERouse – Instant Cold Compress, you are well equipped when rapid intense cooling is required.

### AERouse – Rescue Sheet GS1

As standard equipment in emergency medical service and as part of company and vehicle medical kits, our rescue sheet GS1 is available to you as a hard-wearing aluminum-coated special film that reliably protects injured people against hypothermia or overheating during first aid.

## AEROuse – EASY Gloves | Single Use Gloves Nitrile

High quality single use examination and protective gloves made of blue or violet blue nitrile, powder- and latex-free, with beaded cuffs. The gloves are intended to be used to contribute to prevent cross contaminations in the framework of medical examinations and diagnostic / therapeutic procedures conducted under non-sterile conditions and protect users from substances and mixtures which are hazardous to health and harmful biological agents that may cause very serious consequences or irreversible damage to health.

- With beaded cuffs - reliable hold, quick and easy to put on and take off
- Textured fingers - very good grip and excellent tactile sensitivity
- Recommended for sensitive skin and latex allergy
- Suitable for food contact
- Ambidextrous

### EU conformity

- Medical Device Class I according to Regulation (EU) 2017/745
- Medical examination gloves acc. DIN EN 455
- Protective gloves acc. DIN EN 420
- Tested acc. DIN EN 374 - reliable protection against chemicals and micro-organisms

+ Personal Protective Equipment (PPE) Category III according to Regulation (EU) 2016/425 (PPER)



Model Premium Guard

Complete list of applied standards as well as test chemicals available upon request

### Model Premium Guard

- Available in sizes S - XL, colour blue
- Wall thickness finger approx. 0.14 mm | palm approx. 0.09 mm
- Length 290 mm (+/- 10 mm)



### Model Nitrile Light

- Available in sizes S - XL, colour violet blue
- Wall thickness finger approx. 0.09 mm | palm approx. 0.07 mm
- Length 240 mm



Model Nitrile Light

Further models are available upon request

Model names	Colour code	Sizes	Units*	Order numbers
Premium Guard	●	S 6 - 7	100	HHS01-PG-PF3-B-S
	●	M 7 - 8		HHS01-PG-PF3-B-M
	●	L 8 - 9		HHS01-PG-PF3-B-L
	●	XL 9 - 10	90	HHS01-PG-PF3-B-XL
Nitrile Light	●	S 7	150	HHS01-L-PF3-B-S
	●	M 8		HHS01-L-PF3-B-M
	●	L 9		HHS01-L-PF3-B-L
	●	XL 10	135	HHS01-L-PF3-B-XL

\*Per dispenser box

## AEROuse – Instant Cold Compress

For relieving pain and swelling from sprains, strains, contusions, minor burns and much more.

- Immediate intensive cold without pre-cooling
- Easy activation by compression
- Water and urea based
- Single use

### Fields of application

- Medical and rescue services
- Company medical kit acc. DIN 13157 | DIN 13169
- Free time and sports
- Private household



SU = 20 pcs. / carton  
3.600 pcs. / palette



Customized cold compresses available upon request

With individual customer logo and possible in your own design!

Materials	Standard colour	Dimensions (W x L)	Weight	Order numbers
Polyethylene (PE), Nylon	Blue / White	15 x 17 cm	approx. 155 g	HKP01-U-15x17

Easy handling

1. Shake contents to bottom of bag.
2. Locate inner pouch. Squeeze firmly to rupture inner fluid pouch.
3. Shake briefly to mix contents.
4. Wrap in soft cloth and apply.

## AEROuse – Rescue Sheet GS1

High quality aluminum-coated rescue sheet that protects injured people against cold and hypothermia as well as against heat and solar radiation during first aid.

- Extremely thin and tear-resistant
- Highly reflective
- Prevents heat loss
- Protects against hypothermia
- Largely stops the heat radiation
- Good visibility at the scene of the accident

### Fields of application

- Medical and rescue services
- Company medical kit acc. DIN 13157 | DIN 13169
- Vehicle medical kit acc. DIN 13164
- Free time and sports
- Private household



SU = 1 pc.  
250 pcs. / carton  
9.000 pcs. / palette



Colour: Olive Green / Silver

Upon request also available as a tactical version

Materials	Colour	Dimensions (W x L)	Weight	Order numbers
Polyester film, aluminium-coated	Gold / Silver	160 x 210 cm	approx. 60 g	HD01-GS1-160x210



AEROWay® enables the precise control of the gas supply using pressure reducers, flow regulators, flowmeters plus extensive accessories and is demand and valued equipment in the emergency medical service and in the hospital in oxygen supply. The solutions from Air Liquide Healthcare complete the assortment in terms of inhalation systems for the aerosol therapy.

### AEROWay® – Pressure Reducers, Flow Regulators and Flowmeters

Precision, good readability and reliability are characteristics that customers like to mention when it comes to these products. Versatile applications are given as well as the choice between models with continuous, gradual or fixed oxygen dosage. For use with oxygen and compressed air.

### Air Liquide Healthcare - Inhalation Systems for Aerosol Therapy

Air Liquide Healthcare's powerful inhalation systems are suitable for treating the upper and lower respiratory tract and offer users in the areas of homecare, nursing homes and hospitals optimal solutions at the highest level of reliability.

## AEROWay® – Flowmeters

Flow continuously adjustable

### Fine-ZGA | Flowmeters

Pressure-compensated flowmeters according to DIN EN ISO 15002. for connection to DIN couplings or wall boxes in rescue vehicles and hospitals.

- Constant and precise flow, continuously adjustable
- Connections: Inlet ZGA connector DIN 13260 | Outlet UNF 9/16"
- Inlet pressure 4.5 bar
- Robust body made of nickel-plated brass
- Flowmeter housing made of polyamide (PA)
- Integrated inlet filter

#### Different models

- Oxygen (O<sub>2</sub>) | Compressed air (AIR)
- Direct connection DIN plug 13260 or 1.5 m pressure tubing with ZGA plug and bracket for wall rail claw\*

#### For use on a central gas system



\*Versions with pressure tubing including wall rail claw HWS01-KLEK

#### Single Flowmeters

		O <sub>2</sub> flow				Order Number	
						Connection	
		1.5 l/min	5.0 l/min	15.0 l/min	30.0 l/min	ZGA plug	Pressure tubing 1.5 m with ZGA plug
O <sub>2</sub>	Standard 1	✓				HDM00-1.5F-ZGA	HDM00-1.5FS-ZGA
			✓			HDM00-5F-ZGA	HDM00-5FS-ZGA
				✓		HDM00-15F-ZGA	HDM00-15FS-ZGA
					✓	HDM00-30F-ZGA	HDM00-30FS-ZGA
AIR	Standard 2	✓				HDM04-1.5F-ZGA	HDM04-1.5FS-ZGA
			✓			HDM04-5F-ZGA	HDM04-5FS-ZGA
				✓		HDM04-15F-ZGA	HDM04-15FS-ZGA
					✓	HDM04-30F-ZGA	HDM04-30FS-ZGA

Other tubing lengths available upon request | Exemplary product illustrations

## AEROWay® – Double Flowmeters

 Flow continuously adjustable

### Fine-ZGA | Double Flowmeters

Pressure-compensated flowmeters according to DIN EN ISO 15002. for connection to DIN couplings or wall boxes in rescue vehicles and hospitals.

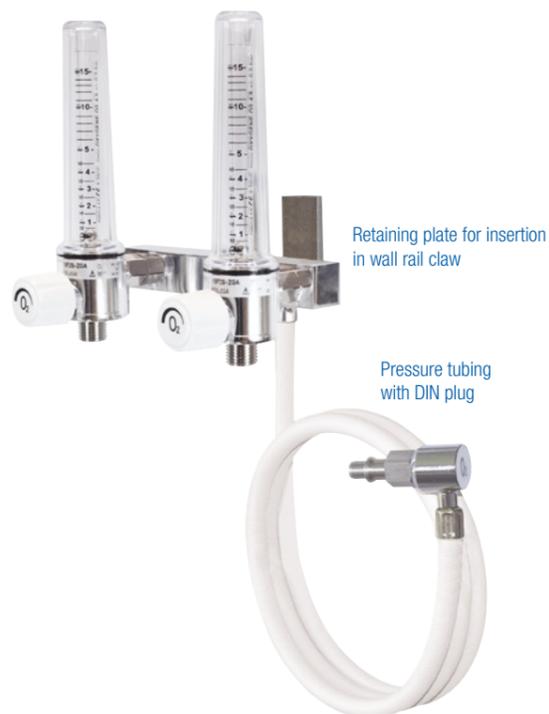
- Constant and precise flow, continuously adjustable
- Connections: Inlet ZGA connector DIN 13260 | Outlet UNF 9/16"
- Inlet pressure 4.5 bar
- Robust body made of nickel-plated brass
- Flowmeter housing made of polyamide (PA)
- Integrated inlet filter

#### Different models

- Oxygen (O<sub>2</sub>) | Compressed air (AIR)
- Direct connection DIN plug 13260 or 1.5 m pressure tubing with ZGA plug and bracket for wall rail claw\*

#### Flowmeters as a double version, for use on a central gas system

#### 1 O<sub>2</sub> - Standard



#### 2 AIR - Standard



#### Double Flowmeters

		O <sub>2</sub> flow				Order Number	
		1.5 l/min	5.0 l/min	15.0 l/min	30.0 l/min	ZGA plug	Connection
							Pressure tubing 1.5 m with ZGA plug
O <sub>2</sub>	Standard	✓				HDM00-1.5F2-ZGA	HDM00-1.5F2S-ZGA
			✓			HDM00-5F2-ZGA	HDM00-5F2S-ZGA
				✓		HDM00-15F2-ZGA	HDM00-15F2S-ZGA
					✓	HDM00-30F2-ZGA	HDM00-30F2S-ZGA
AIR	Standard	✓				HDM04-1.5F2-ZGA	HDM04-1.5F2S-ZGA
			✓			HDM04-5F2-ZGA	HDM04-5F2S-ZGA
				✓		HDM04-15F2-ZGA	HDM04-15F2S-ZGA
					✓	HDM04-30F2-ZGA	HDM04-30F2S-ZGA

Other tubing lengths available upon request | Exemplary product illustrations

## AEROWay® – Pressure Reducers

 Flow continuously adjustable

### Fine Pressure Reducers

Pressure reducers with pressure-compensated flowmeter according to DIN EN ISO 10524-1, for mobile oxygen devices.

- Continuously adjustable oxygen dosage
- High pressure hand connection G 3/4"
- Outlet UNF 9/16" with barbed hose adapter 4 - 6 mm
- Inlet pressure 200 bar | Outlet pressure 4.5 bar
- Robust body made of nickel-plated brass
- Flowmeter housing made of polyamide (PA)
- Integrated safety valve and inlet filter



#### For mobile oxygen standing devices

#### Pressure Reducers - O<sub>2</sub>

O <sub>2</sub> flow	Order Number
1.5 l/min	HDM00-1.5
5.0 l/min	HDM00-5
15.0 l/min	HDM00-15
30.0 l/min	HDM00-30

Exemplary product illustrations

### Fast Pressure Reducers

 Flow gradually adjustable

Pressure reducers according to DIN EN ISO 10524-1, for portable oxygen devices and mobile oxygen standing devices.

- Gradually adjustable flow
- High pressure hand connection G 3/4" (O<sub>2</sub>) | G 5/8" (AIR)
- Outlet UNF 9/16" with barbed hose adapter 4 - 6 mm
- Inlet pressure 200 bar | Outlet pressure 4.5 bar
- In frontal view, the adjusted and adjacent flows are visible
- Robust body made of nickel-plated brass
- Integrated safety valve and inlet filter

#### Different models

- Oxygen (O<sub>2</sub>) | Compressed air (AIR)
- Additional outlets: Ventilation | Suction | DIN coupling 13260

#### For portable and mobile oxygen devices



#### Pressure Reducers - O<sub>2</sub>

O <sub>2</sub> flow   Flow increments	Order Number
<b>1 l/min</b> 0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 l/min	HDM01-1
<b>5 l/min</b> 0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min	HDM01-5
<b>15 l/min</b> 0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 l/min	HDM01-15
<b>25 l/min</b> 0 - 0.5 - 1 - 2 - 3 - 4 - 6 - 8 - 15 - 25 l/min	HDM01-25
<b>50 l/min</b> 0 - 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 50 l/min	HDM01-50

Continuous flow also between 2 flow increments | Exemplary product illustrations



Pressure Reducers with additional outlets



Pressure Reducers - O<sub>2</sub>

O <sub>2</sub> flow   Flow increments	Additional Outlets	Order Number	
<b>5 l/min</b> 0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min	<b>DIN coupling</b> 4.5 bar   150 l/min	① HDM01-5-PS	
<b>15 l/min</b> 0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 l/min	<b>DIN coupling</b> 4.5 bar   150 l/min	① HDM01-15-PS	
	<b>Ventilation</b> 15 l/min fixed	② HDM01-15-B	
	<b>Suction injector</b> adjustable open / closed	③ HDM01-15-V	
	<b>Suction injector</b> adjustable open / closed	<b>DIN coupling</b> 4.5 bar   120 l/min	④ HDM01-15-PSV
	<b>Ventilation</b> 15 l/min fixed	<b>DIN coupling</b> 4.5 bar   120 l/min	⑤ HDM01-15-PSB

Exemplary product illustrations



AIR - Standard

Pressure Reducers - AIR

O <sub>2</sub> flow   Flow increments	Inlet	Outlet	Order Number
<b>15 l/min</b> 0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 l/min	G 5/8"	UNF 9/16" and adapter	⑥ HDM04-15

Exemplary product illustrations

AEROWay® – Pressure Reducers

Flow gradually adjustable

Fast Pressure Reducers

Pressure reducers according to DIN EN ISO 10524-1, as a compact version for emergency cases, bags and backpacks. Can be set directly to maximum flow from the starting position (flow = 0).

- Gradually adjustable flow
- High pressure hand connection G 3/4" for oxygen cylinders
- Outlet UNF 9/16" with barbed hose adapter 4 - 6 mm
- Inlet pressure 200 bar | Outlet pressure 4.5 bar
- In frontal view, the adjusted and adjacent flows are visible
- Robust body made of nickel-plated brass
- Integrated safety valve and inlet filter

Different models

- Right or left connection
- Additional outlets: For the connection of ventilators or demand valves

For emergency and transport cases



Pressure Reducers | With right or left connection

O <sub>2</sub>	Additional outlets	O <sub>2</sub> flow   Flow increments						
		O <sub>2</sub> flow				Order Number		
		1 l/min	5 l/min	15 l/min	25 l/min	Additional outlets	Right connection	Left connection
+	Without	✓					① HDM01-1-KR	② HDM01-1-KL
			✓				① HDM01-5-KR	② HDM01-5-KL
				✓			① HDM01-15-KR	② HDM01-15-KL
					✓		① HDM01-25-KR	② HDM01-25-KL
						✓	③ HDM01-1-KRPS	HDM01-1-KLPS
	+ Additional Outlets	DIN coupling 4.5 bar   150 l/min			✓		③ HDM01-15-KRPS	HDM01-15-KLPS
						✓	③ HDM01-25-KRPS	HDM01-25-KLPS
					✓		④ HDM01-15-KRPS2	HDM01-15-KLPS2
					✓		⑤ HDM01-15-KRSA	HDM01-15-KLSA
						✓	⑤ HDM01-15-KRSA	HDM01-15-KLSA

Continuous flow also between 2 flow increments | Exemplary product illustrations

## AEROWay® – Flow Regulators

Flow gradually adjustable

### Fast-ZGA Flow Regulators

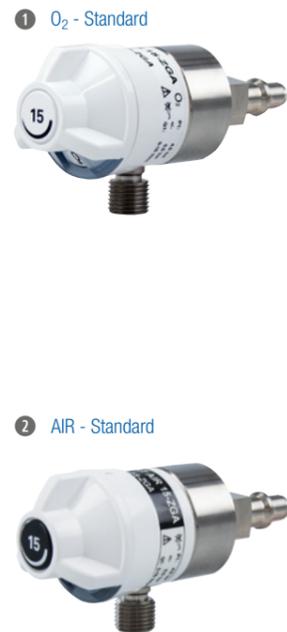
Flow regulators according to DIN EN ISO 15002, for connection to DIN couplings or wall boxes in rescue vehicles and hospitals. Clear and quick handling thanks to the Easy Click-setting.

- Constant and precise flow, gradually adjustable
- Connections: Inlet ZGA connector DIN 13260 | Outlet UNF 9/16"
- Inlet pressure 4.5 bar
- Robust body made of nickel-plated brass
- Integrated inlet filter

#### Different models

- Oxygen (O<sub>2</sub>) | Compressed air (AIR)
- Direct connection DIN plug 13260 or 1.5 m pressure tubing with ZGA plug and bracket for wall rail claw\*

#### For use on a central gas system



### Single Flow Regulators

		O <sub>2</sub>   Flow increments					1 l/min   0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 l/min	
		5 l/min   0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min					5 l/min   0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min	
		15 l/min   0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 l/min					15 l/min   0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 l/min	
		25 l/min   0 - 0.5 - 1 - 2 - 3 - 4 - 6 - 8 - 15 - 25 l/min					25 l/min   0 - 0.5 - 1 - 2 - 3 - 4 - 6 - 8 - 15 - 25 l/min	
		50 l/min   0 - 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 50 l/min					50 l/min   0 - 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 50 l/min	
		O <sub>2</sub> flow					Order Number	
							Connection	
O <sub>2</sub>	Standard	1 l/min	5 l/min	15 l/min	25 l/min	50 l/min	ZGA plug	Pressure tubing 1.5 m with ZGA plug
		✓						HDM01-1-ZGA
		✓					HDM01-5-ZGA	HDM01-5S-ZGA
			✓				HDM01-15-ZGA	HDM01-15S-ZGA
				✓			HDM01-25-ZGA	HDM01-25S-ZGA
					✓		HDM01-50-ZGA	HDM01-50S-ZGA
AIR	Standard	✓					HDM04-1-ZGA	HDM04-1S-ZGA
			✓				HDM04-5-ZGA	HDM04-5S-ZGA
				✓			HDM04-15-ZGA	HDM04-15S-ZGA
					✓		HDM04-25-ZGA	HDM04-25S-ZGA
						✓	HDM04-50-ZGA	HDM04-50S-ZGA

Continuous flow also between 2 flow increments | Exemplary product illustrations

## AEROWay® – Double Flow Regulators

Flow gradually adjustable

### Fast ZGA Double Flow Regulators

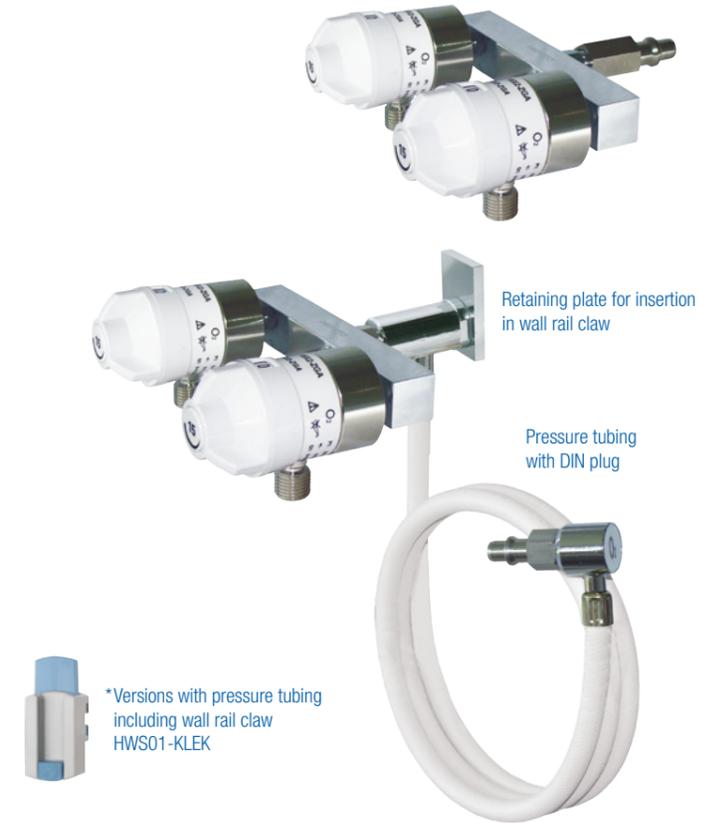
Flow regulators according to DIN EN ISO 15002, for connection to DIN couplings or wall boxes in rescue vehicles and hospitals. Clear and quick handling thanks to the Easy Click-setting.

- Constant and precise flow, gradually adjustable
- Connections: Inlet ZGA connector DIN 13260 | Outlet UNF 9/16"
- Inlet pressure 4.5 bar
- Robust body made of nickel-plated brass
- Integrated inlet filter

#### Different models

- Oxygen (O<sub>2</sub>) | Compressed air (AIR)
- Direct connection DIN plug 13260 or 1.5 m pressure tubing with ZGA plug and bracket for wall rail claw\*

#### Flow Regulators as a double version, for use on a central gas system



### Double Flow Regulators

		O <sub>2</sub>   Flow increments					1 l/min   0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 l/min	
		5 l/min   0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min					5 l/min   0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min	
		15 l/min   0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 l/min					15 l/min   0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 l/min	
		25 l/min   0 - 0.5 - 1 - 2 - 3 - 4 - 6 - 8 - 15 - 25 l/min					25 l/min   0 - 0.5 - 1 - 2 - 3 - 4 - 6 - 8 - 15 - 25 l/min	
		50 l/min   0 - 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 50 l/min					50 l/min   0 - 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 50 l/min	
		O <sub>2</sub> flow					Order Number	
							Connection	
O <sub>2</sub>	Standard	1 l/min	5 l/min	15 l/min	25 l/min	50 l/min	ZGA plug	Pressure tubing 1.5 m with ZGA plug
		✓						HDM01-1X2-ZGA
			✓				HDM01-5X2-ZGA	HDM01-5X2S-ZGA
				✓			HDM01-15X2-ZGA	HDM01-15X2S-ZGA
					✓		HDM01-25X2-ZGA	HDM01-25X2S-ZGA
						✓	HDM01-50X2-ZGA	HDM01-50X2S-ZGA
AIR	Standard	✓					HDM04-1X2-ZGA	HDM04-1X2S-ZGA
			✓				HDM04-5X2-ZGA	HDM04-5X2S-ZGA
				✓			HDM04-15X2-ZGA	HDM04-15X2S-ZGA
					✓		HDM04-25X2-ZGA	HDM04-25X2S-ZGA
						✓	HDM04-50X2-ZGA	HDM04-50X2S-ZGA

Continuous flow also between 2 flow increments | Exemplary product illustrations

## AEROWay® – Flow Regulators

 Flow gradually adjustable

### Fast<sup>+</sup> ZGA Flow Regulators

Flow regulators according to DIN EN ISO 10524-4, for connection to DIN couplings or wall boxes in rescue vehicles and hospitals, which compensate different pressures and pressure fluctuations in central gas systems in hospitals.

#### Unsurpassed in precision

- With integrated pressure reducer and 15 adjustable flow rates
- Precise and stable flow, even in case of pressure fluctuations
- Flow rate accuracy according to DIN EN ISO 10524-4
- Inlet pressure 2.8 to 8 bar | Outlet pressure max. 2.2 bar
- Connections: ZGA plug DIN 13260 | Outlet UNF 9/16"
- With an extra large display of all flow rates
- Stable housing made of ABS (acrylonitrile butadiene styrene)
- Ergonomic and practical design

#### Different models

- Oxygen (O<sub>2</sub>) | Compressed air (AIR)
- Direct connection DIN plug 13260 or 1.5 m pressure tubing with ZGA plug and bracket for wall rail claw\*

#### For use on a central gas system



1 O<sub>2</sub> - Standard



2 AIR - Standard



#### Single Flow Regulators

O <sub>2</sub> flow   Flow increments		5 l/min   0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min 15 l/min   0 - 0.5 - 1 - 1.5 - 2 - 2.5 - 3 - 3.5 - 4 - 5 - 6 - 7 - 8 - 9 - 12 - 15 l/min			
		Order Number			
		Connection			
O <sub>2</sub> flow		5 l/min	15 l/min	ZGA plug	Pressure tubing 1.5 m with ZGA plug
O <sub>2</sub>	Standard	✓		HDM01-5R-ZGA	HDM01-5RS-ZGA
	1		✓	HDM01-15R-ZGA	HDM01-15RS-ZGA
AIR	Standard	✓		HDM04-5R-ZGA	HDM04-5RS-ZGA
	2		✓	HDM04-15R-ZGA	HDM04-15RS-ZGA

Continuous flow also between 2 flow increments | Exemplary product illustrations

## AEROWay® – Double Flow Regulators

 Flow gradually adjustable

### Fast<sup>+</sup> ZGA Double Flow Regulators

Flow regulators according to DIN EN ISO 10524-4, for connection to DIN couplings or wall boxes in rescue vehicles and hospitals, which compensate different pressures and pressure fluctuations in central gas systems in hospitals.

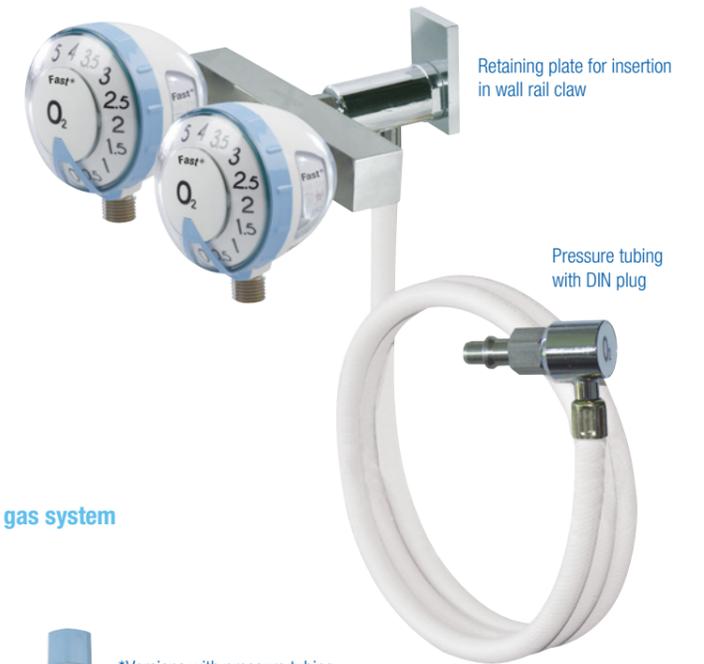
#### Unsurpassed in precision

- With integrated pressure reducer and 15 adjustable flow rates
- Precise and stable flow, even in case of pressure fluctuations
- Flow rate accuracy according to DIN EN ISO 10524-4
- Inlet pressure 2.8 to 8 bar | Outlet pressure max. 2.2 bar
- Connections: ZGA plug DIN 13260 | Outlet UNF 9/16"
- With an extra large display of all flow rates
- Stable housing made of ABS (acrylonitrile butadiene styrene)
- Ergonomic and practical design

#### Different models

- Oxygen (O<sub>2</sub>) | Compressed air (AIR)
- Direct connection DIN plug 13260 or 1.5 m pressure tubing with ZGA plug and bracket for wall rail claw\*

#### Flow Regulators as a double version, for use on a central gas system



1 O<sub>2</sub> - Standard



2 AIR - Standard



#### Double Flow Regulators

O <sub>2</sub> flow		5 l/min   0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min 15 l/min   0 - 0.5 - 1 - 1.5 - 2 - 2.5 - 3 - 3.5 - 4 - 5 - 6 - 7 - 8 - 9 - 12 - 15 l/min			
		Order Number			
		Connection			
O <sub>2</sub> flow		5 l/min	15 l/min	ZGA plug	Pressure tubing 1.5 m with ZGA plug
O <sub>2</sub>	Standard	✓		HDM01-5RX2-ZGA	HDM01-5RX2S-ZGA
	1		✓	HDM01-15RX2-ZGA	HDM01-15RX2S-ZGA
AIR	Standard	✓		HDM04-5RX2-ZGA	HDM04-5RX2S-ZGA
	2		✓	HDM04-15RX2-ZGA	HDM04-15RX2S-ZGA

Continuous flow also between 2 flow increments | Exemplary product illustrations

## AERoway® – Pressure Reducers

Pressure fixed

### Fix II Pressure Reducers

Pressure reducers according to DIN EN ISO 10524-1, for supplying medical devices. Available with additional outlets.

- With fixed oxygen dosage
- High pressure hand connection G 3/4" or G 5/8"
- Outlet G 3/8"
- Inlet pressure 200 bar | Outlet pressure 3.5 bar | 4.5 bar | 5 bar
- Robust body made of nickel-plated brass
- Shock-protected cylinder content manometer
- Integrated safety valve and inlet filter

### For supplying medical devices



High pressure hand connection  
G 3/4" (O<sub>2</sub>)  
G 5/8" (AIR)

G 3/8"

### Pressure Reducers Fix II

	O <sub>2</sub> flow	Pressure	Additional outlets	Order Number	
				Right connection	Left connection
O <sub>2</sub>	160 l/min	3.5 bar	-	HDM02-3.5	HDM02-3.5-L
	180 l/min	4.5 bar	-	HDM02-4.5	HDM02-4.5-L
	200 l/min	5.0 bar	-	HDM02-5.0	HDM02-5.0-L
	150 l/min	4.5 bar	DIN coupling 4.5 bar	HDM02-4.5-PS	HDM02-4.5-PS-L
	150 l/min	4.5 bar	2 x DIN coupling 4.5 bar	HDM02-4.5-PS2	HDM02-4.5-PS2-L
	180 l/min	5.0 bar	DIN coupling 5.0 bar	HDM02-5.0-PS	HDM02-5.0-PS-L
AIR	160 l/min	3.5 bar	-	HDM04-3.5	HDM04-3.5-L
	180 l/min	4.5 bar	-	HDM04-4.5	HDM04-4.5-L
	200 l/min	5.0 bar	-	HDM04-5.0	HDM04-5.0-L
	150 l/min	4.5 bar	DIN coupling 4.5 bar	HDM04-4.5-PS	HDM04-4.5-PS-L
	180 l/min	5.0 bar	DIN coupling 4.5 bar	HDM04-5.0-PS	HDM04-5.0-PS-L

Exemplary product illustrations



Outlet DIN coupling

G 3/8"



Upon request, some of the devices are also available with other flow rates, further tubing lengths and with country-specific connections

## AERoway® – Maintenances

Maintenance

Maintenances for AERoway® - Pressure Reducers, Flow Regulators and Flowmeters.

### "EXCHANGE instead of REPAIR and SAVE COSTS!"

The following applies to AERoway® - Pressure Reducers older than 10 years or third-party products:  
Send in your old or third-party device and receive a comparable new device at a special price!

Device every 5 years	Order Number
Fix II Pressure Reducers (O <sub>2</sub> )	HRP01-DM02-STK
Fix I Pressure Reducers (O <sub>2</sub> )	HRP01-DM03-STK
Fix II Pressure Reducers (AIR)	HRP01-DM04-FIXII-STK
Fast Pressure Reducers (AIR)	HRP01-DM04-STK
Fast Flow Regulators (AIR)	HRP01-DM04-ZGA-STK

Device every 5 years	Order Number
Fine - Pressure Reducers (O <sub>2</sub> )	HRP01-DM00-STK
Fine - Flowmeters (O <sub>2</sub> )	HRP01-DM00-ZGA-STK
Fast - Pressure Reducers (O <sub>2</sub> )	HRP01-DM01-STK
Fast - Flow Regulators (O <sub>2</sub> )	HRP01-DM01-ZGA-STK

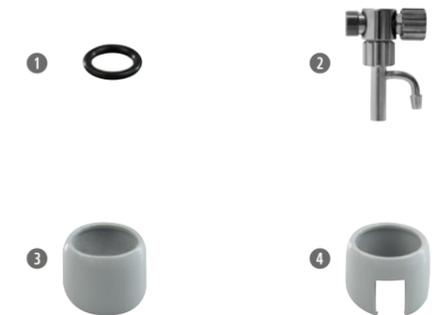
## AERoway® – Spare Parts

Spare Parts - Pressure Reducers

### Spare Parts for pressure reducers

Sealings for high pressure connections, manometer protective caps, screw-on injector for AERoway® - Pressure Reducers.

Description	Order Number
O-ring / sealing for connecting bolts, high pressure connection G 3/4" (SU = 10 pcs)	① HDM01-0-D
Screw-on injector, venturi / suction with stopcock for Fast-V and Fast-PSV, E: M 10 x 1	② HDM01-V
Manometer protective cap grey, Ø 40 mm, E: rear	③ HDM01-MR-SK
Manometer protective cap grey, Ø 40 mm, E: below	④ HDM01-MU-SK



### Adapters

High quality adapters for connecting various components, such as bubble humidifiers, sterile water systems as well as distributors and pressure tubings. Available with different thread sizes, models from internal to external thread and external to external thread.



Exemplary product presentations

Thread (type)		Order Number
from internal	to external	
UNF 9/16"	M12x1.25	HAD01-91612125
M12x1.25	G 3/8"	HAD01-1212538
UNF 9/16"	G 3/8"	HAD01-91638
M12x1.25	UNF 9/16"	HAD01-12125916
G 3/8"	UNF 9/16"	HAD01-38916
G 1/4"	UNF 9/16"	HAD01-14916
M18x1	UNF 9/16"	HAD01-181916

Thread (type)		Order Number
from external	to external	
M10x1	UNF 9/16"	HAD02-101916
M32x1.5	UNF 9/16"	HAD02-3215916
M34x1.5	UNF 9/16"	HAD02-3415916

### Blind Caps

Blind caps with sealing, chrome-plated ① or nickel-plated ②.



Internal thread	Order Number
G 3/8"	① HSA01-BV
UNF 9/16"	② HSA04-BV

## AEROWay® – Spare Parts

### Barbed Hose Adapters

Barbed hose adapters for 6 mm tubings, chrome-plated, different versions: straight-rigid, straight-movable or angled-movable (rotatable by 360°), different thread types, with internal or external thread.



Type	Inlet thread		Order Number
	Internal thread	External thread	
Straight-rigid	G 3/8"		1 HSA01-6
	UNF 9/16"		2 HSA04-6
		UNF 9/16"	3 HSA04-6-A
	M12x1.25		4 HSA05-6
Straight-movable	G 3/8"		5 HSA01-6-B
	UNF 9/16"		6 HSA04-6-B
		M12x1	7 HSA06-6-BA
		M14x1	8 HSA07-6-BA
Angled-movable	G 3/8"		9 HSA01-6-BW

# HUM

Systems for Life®

## AEROWay® – Spare Parts

### Couplings DIN 13260

Couplings DIN 13260 for O<sub>2</sub> and AIR. For ZGA plugs, inlet G 3/8", external thread with sealing. Sealing also separately available as a spare part.



Gas type	Order Number
O <sub>2</sub>	1 HVK02-02-F
AIR	2 HVK02-AIR-F
Sealing ring for DIN couplings with connection G 3/8"	3 HDM01-AA0-38

### Y-Couplings DIN 13260

Y-couplings DIN 13260 for O<sub>2</sub> and AIR. Inlet ZGA plug, 2 outlets DIN couplings for ZGA plugs.



Gas type	Order Number
O <sub>2</sub>	1 HVK02-02-F2
AIR	2 HVK02-AIR-F2

### Plugs DIN 13260

ZGA plugs DIN 13260 for O<sub>2</sub>, AIR, VAC, N<sub>2</sub>O, 90° angle, inlet ZGA plug, outlet for 6 mm tubings.



Gas type	Order Number
O <sub>2</sub>	1 HVK02-02-MW
O <sub>2</sub> and AIR	2 HVK02-02/AIR-MW
AIR	3 HVK02-AIR-MW
VAC	4 HVK02-VAC-MW
N <sub>2</sub> O	5 HVK02-N20-MW

## AEROWay® – Spare Parts

### NIST Connection Pieces for Screw Threads

NIST connection pieces for O<sub>2</sub>, AIR, VAC for NIST sealing coupling, straight, outlet for 6 mm tubings.



Gas type	Order Number
O <sub>2</sub>	1 HVK05-O2-M
AIR	2 HVK05-AIR-M
VAC	3 HVK05-VAC-M

### Sealing Couplings and Plugs, Type "Walther"

Sealing couplings and plugs, type "Walther LP-004 and LP-006", suitable for e.g. connecting transportable oxygen units to on-board systems in rescue vehicles.



Model	Connection	Order Number
Coupling	G 1/8" external thread	1 HVK01-K-418
Coupling	G 3/8" internal thread	2 HVK01-K-438

### T-Distributors

T-shaped connection pieces for connecting different oxygen systems, e.g. connecting several oxygen cylinders to an on-board system in a rescue vehicle



Opposite connections	Transverse connection	Order Number
2 x G 3/8" external thread	Quick coupling   Type Walther (LP004)	1 HVT01-38AA/VK1
G 3/8" external thread   G 3/8" internal thread	O <sub>2</sub> coupling acc. DIN 13260	2 HVT01-38IA/VK2

## AEROWay® – Spare Parts

### Distribution Bars | For Wall Mounting

Distribution bars / outlet points for oxygen (O<sub>2</sub>) or compressed air (AIR). Suitable for use in rescue vehicles to supply several medical devices via a gas source.

- Gradually adjustable flow: 0 - 1 - 2 - 3 - 4 - 5 - 6 - 8 - 12 - 15 l/min
- Connection UNF 9/16" or G 1/8" external thread
- Outlet coupling DIN 13260 and / or 0 - 15 l/min UNF 9/16" with barbed hose adapter 6 mm
- Dial head with lateral and frontal displays
- In frontal view, the adjusted and adjacent flows are visible



Wall Mounting



No. Outlets	Connection	Outlet		Order Number
		15 l/min	DIN coupling	
1	UNF 9/16"	1 x	-	1 HVL01-15-SA
		-	1 x	2 HVL01-PS-SA 2 HVL01-PS-SA-KL
	G 1/8"	-	-	-
2	UNF 9/16"	2 x	-	3 HVL01-15X2-SA
		-	2 x	4 HVL01-PS2-SA
		1 x	1 x	5 HVL01-15PS-SA
4	UNF 9/16"	4 x	-	5 HVL01-15X4-SA

Exemplary product illustrations

### Distribution Bars | For Wall Mounting - With Rail Claw

Distribution bars / outlet points for oxygen (O<sub>2</sub>). Suitable for use in rescue vehicles to supply several medical devices via a gas source.

- Connection ZGA plug DIN 13260 with pressure tubing
- Outlet coupling DIN 13260

Wall Rail Mounting



No. Outlets	Tubing length	Order Number
1x	1.5 m	1 HVL01-PSS-ZGA
	2.0 m	1 HVL01-PSS/2000-ZGA
	3.0 m	1 HVL01-PSS/3000-ZGA
2x	1.5 m	2 HVL01-PS2S-ZGA
3x	1.5 m	3 HVL01-PS3S-ZGA
	5.0 m	3 HVL01-PS3S/5000-ZGA

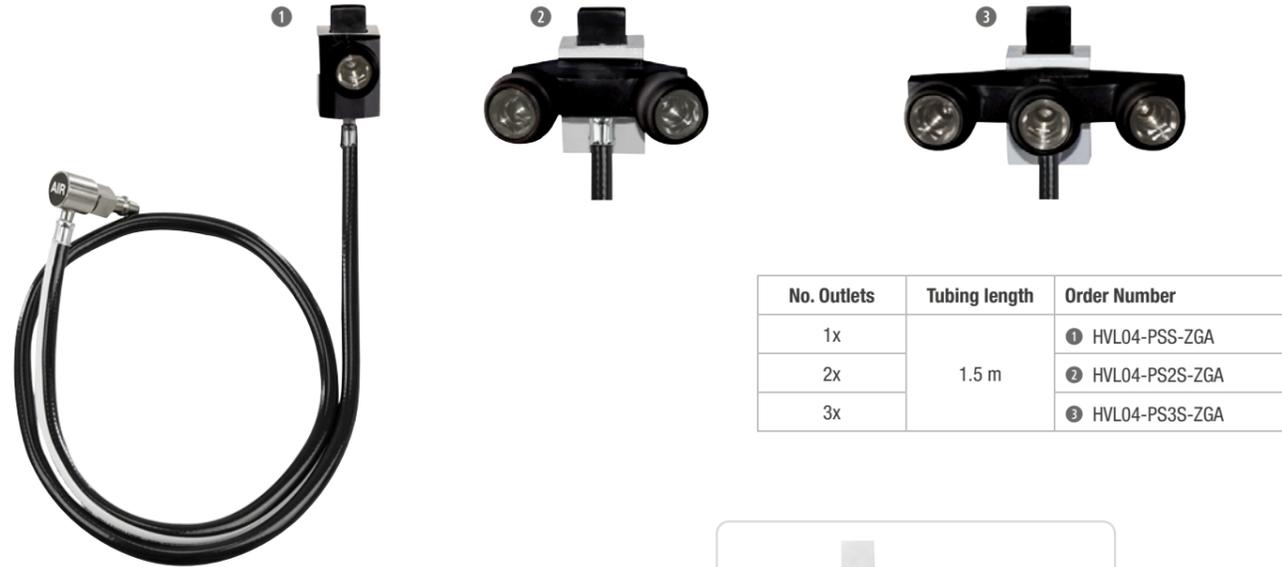
## AEROWay® – Spare Parts

Wall Rail Mounting

### Distribution Bars | For Wall Mounting - With Rail Claw

Distribution bars / outlet points for compressed air (AIR). Suitable for use in rescue vehicles to supply several medical devices via a gas source.

- Connection ZGA plug DIN 13260 with pressure tubing
- Outlet coupling DIN 13260



No. Outlets	Tubing length	Order Number
1x	1.5 m	① HVL04-PSS-ZGA
2x		② HVL04-PS2S-ZGA
3x		③ HVL04-PS3S-ZGA

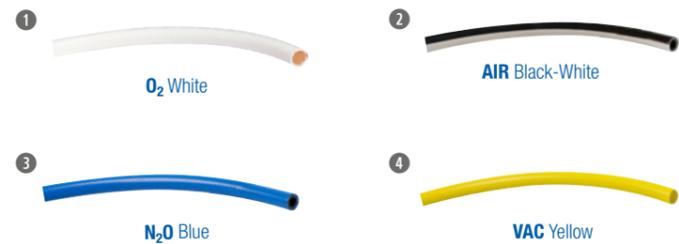


Upon request, other configurations are available, such as with an adjustable outlet

### Pressure Tubings

Antistatic PVC pressure tubings for medical gases, with colour-coding according to DIN EN ISO 5359. Each available as a 40 m roll.

#### Different thread types



Pressure Tubings		
Gas type   Colour	ID / OD	Order Number
O <sub>2</sub>   White	6 / 12 mm	① HDS02-6/12
AIR   Black-White	6 / 12 mm	② HDS03-6/12
N <sub>2</sub> O   Blue	6 / 12 mm	③ HDS05-6/12
Vac   Yellow	6 / 12 mm	④ HDS06-6/12

## AEROWay® – Inhalation Devices

### AirLiquide Healthcare Soffio Cube Inhalation Device

Lightweight, compact and modern compressor inhalation device for aerosol therapy of the lower respiratory tract, ideal for the whole family. Thanks to the user-friendly operating concept and the small dimensions, an easy and efficient therapy is made possible.

#### Optimised performance

- High nebulizer performance (0.35 ml/min)
- Small particle size (MMAD 2.94 µm)
- Drip-proof according to IP21
- Extensive scope of supply for various application routes
- Replacement accessories available as a year pack

#### User-friendly product design

- Good design for a secure stand
- User-friendly operating concept and small dimensions
- With storage bag for the complete scope of supply



On / off switch  
drip-proof acc. IP21



Comfortable handle for all hand sizes



Integrated bracket for the nebulizer

### AirLiquide Healthcare Soffio Cube Inhalation Device | Accessories and Spare Parts



Description	Order Number
Air Liquide - Soffio Cube Inhalation Device   Scope of supply consisting of ① - ②, plus storage bag ③	① HIG11-SC
Air Liquide - Soffio Cube Year Pack   Consisting of 1 x nebulizer, 1 x mouthpiece, 1 x nosepiece, 1 x adapter, 1 x air hose 1 m, 6 x air filters, 1 x adult mask, 1 x child mask, 2 x rubber straps for masks	② HIG11-SC-YP

\*According to the manufacturer's guarantee conditions

## AEROWay® – Inhalation Devices

### AirLiquide Healthcare Nebula Inhalation Device

High quality compressor inhalation device for aerosol therapy of the lower respiratory tract, which is specially designed to meet the needs of healthcare facilities and is suitable for users who are looking for technical excellence and highest reliability in one device. With powerful compressor and nebulizer for short treatment times.

#### Focus on therapeutic success

- High nebulizer performance (0.3 ml/min)
- Small particle size (MMAD 1.9 µm) in order to reach deep lung regions as well
- Generous scope of supply as well as further accessories available for individual needs

#### Form supports function

- User-friendly product design with storage compartment for all accessories with a small device footprint
- Very secure stand and integrated carrying handle for good handling
- Easy cleaning and wipe disinfection thanks to smooth surfaces



Carrying handle integrated into the housing

Storage compartment for all accessories



### AirLiquide Healthcare Nebula Inhalation Device | Accessories and Spare Parts



Description	Order Number
Air Liquide - Nebula Compressor Inhalation Device   Scope of supply consisting of 1 - 5, plus Perfecta mouth and nose mask for children and babies as well as additional filter	1 HIG11-N
Air Liquide - Nebula spacer nebulizer set for adults (nebulizer, adapter and mouth mask)	2 HIG11-N-VS
Air Liquide - Nebula mouthpiece	3 HIG11-N-MS
Air Liquide - Nebula 1.5 m air hose	4 HIG11-N-S1.5
Air Liquide - Nebula air filters (2 pcs)	5 HIG11-N-F2
Air Liquide - Nebula Perfecta nebulizer set for infants and babies	6 HIG11-N-VP
Air Liquide - Nebula nebulizer and mouthpiece	7 HIG11-N-VMS
Air Liquide - Nebula PVC adult mask, with rubber strap	8 HIG11-N-M-E
Air Liquide - Nebula PVC child mask, with rubber strap	9 HIG11-N-M-K

\*According to the manufacturer's guarantee conditions

## AEROWay® – Nebulizer Nasal Shower

### AirLiquide Healthcare Rinowash - Nebulizer Nasal Shower

Micronising nasal shower for connection to a compressed air inhalation device such as Soffio Cube or Nebula, for physiological and therapeutic rinsing of the nasal cavities as well as the treatment of upper respiratory tract diseases. Produces fine aerosol particles that ensure the therapy-appropriate deposition of saline and physiological solutions as well as medications in the upper respiratory tract.

#### Benefits

- Nebulizes 5 ml of solution in just 2 minutes
- Fine particle size (MMAD 18 µm)
- Ideal for treating rhinitis, rhinosinusitis, nasal polyps, adenoiditis and otitis media
- Can be used from a very early age, no contraindications

#### Easy to use

- Ergonomic design with soft silicone tip and optimally positioned nebulization button
- Compatible with most pneumatic nebulizer compressors
- Convenient Rinowash inhalation solution available as an accessory

#### Usage

- Commissioning with compressed air inhalation device such as Soffio Cube or Nebula
- Connection via the air hose to the inhalation device
- Activation of nebulization as required by pressing the nebulization button when the compressor is switched on
- Further information according to the respective instructions for use



### AirLiquide Healthcare Rinowash | Scope of Supply, Accessories and Spare Parts

**Scope of supply:** Consisting of ready-to-use nebulizer nasal shower, which can be put into operation immediately according to the information in the instructions for use. 1

**Accessories:** Rinowash solution, 10 ampoules of 10 ml. Hypertonic saline solution, ideal for rinsing the nasal cavities. The osmotic effect of the Rinowash saline solution, in conjunction with the nebulizer nasal douche, ensures significantly improved patency of the nasal cavities and / or a oedema reduction. 2

**Spare parts:** In order to ensure a long lifetime even with intensive Rinowash use, we offer a year pack consisting of an outer chamber, nebulizer and sealing ring. 3



Description	Order Number
Air Liquide - Rinowash nebulizer nasal douche	1 HIG11-RW
Air Liquide - Rinowash inhalation solution, 10 ampoules of 10 ml, hypertonic saline solution	2 HIG11-RW-L
Air Liquide - Rinowash Year Pack, consisting of outer chamber, nebulizer and sealing ring	3 HIG11-RW-YP



### AEROPROTECTIVE® – Medical Face Mask Type IIR

Disposable surgical face mask, Type IIR. Hydrophobic, 3-ply and with pliable plastic-coated nose piece as well as elastic ear loops.

- Medical Device Class I
- 3-ply (PP spunbond inner and outer layers, PP meltblown filter layer)
- Latex-free and fiberglass-free
- Bacterial Filtration Efficiency (BFE): ≥ 98 %\*
- Breathability (differential pressure Pa/cm²): < 60\*
- Splash resistance: ≥ 16 kPa\*

\*according to requirements of EN 14683:2019+AC:2019



#### Fields of application

- Hospital
- Emergency medical service
- Medical practices
- Further health and care facilities
- Private use



Exemplary product version\*

Model	Dimensions (W x H)	Colour	Order number
Type IIR, 3-ply	17.5 x 9.5 cm	Blue	ICO-FM301-E50*

Available upon request

### Other products from the infection protection range

Infection protection has made a decisive contribution to combating and containing the COVID-19 pandemic. For medical facilities, there is also further need for protective measures at all times. We are glad to fulfil your safety requirements and provide you with high quality products to prevent infections in general and to minimise risks in the area of patient safety. Please contact us at any time to discuss your individual requirements!

AEROPROTECTIVE® includes high quality surgical face masks for personal protection against infections and to ensure general patient safety, with an optimal price-performance ratio.

#### AEROPROTECTIVE® – Medical Face Mask Type IIR

Our medical mouth and nose protection meets the necessary requirements in emergency medical service, clinical routine or private use. Made of 3-ply PP spunbond inner and outer layers, PP meltblown filter layer with high bacterial filtration efficiency, latex-free and fiberglass-free as well as other features such as elastic ear loops.

To meet your security needs, please contact us at any time to discuss your personal requirements as well as other products!



Further information can be found on our website in the product category "Infection Protection"



AEROtreat® offers you a variety of configuration possibilities for the individual compilation of portable oxygen devices as well as mobile oxygen standing devices. Let us know what application you need – we are glad to compose a therapy proposal for you, based on our various single components!

### AEROtreat® – Components | For Portable Oxygen Devices

With our components for portable oxygen devices, you stay independent and mobile and the easy operation gives you the security you need. Choose from products for short-term dosable oxygen inhalation with carrying bag or carrying device.

### AEROtreat® – Components | For Mobile Oxygen Devices | Inhalation, Suction and Ventilation

Our configuration possibilities offer you highest flexibility for your applications to patients at home, in nursing and old people's homes as well as medical practices and in the hospital. You have the choice between components for pure oxygen inhalation or additional option of secretion suction or ventilation. Do you need help with the compilation? Of course, we are there for you!

## AEROtreat® – Components for Oxygen Treatment | Portable - With Bag

Single components for the individual composition of portable oxygen devices for mobile use and for short-term oxygen application. Possible configuration with different AEROWay® – Fast or AEROWay® – Fix | Pressure Reducers as well as oxygen cylinders.

### Example configuration for your individual product solution\*

- AEROcase® – Carrying Bag, with shoulder and back strap, made of polyester, black ❶
- AEROpart® – Oxygen Mask, with 2 m O<sub>2</sub> tubing, phthalate-free ❷
- AEROWay® – Fast Pressure Reducer 1 l/min | 5 l/min | 15 l/min, gradually adjustable or AEROWay® – Fix | Pressure Reducer 4 l/min | 6 l/min | 8 l/min | 10 l/min, with fixed flow ❸
- Oxygen cylinder made of steel or aluminum ❹

### Short-term adjustable oxygen inhalation | For Therapy and Emergencies



Exemplary presentation portable configuration\*

We also deliver further accessories for the oxygen supply upon request - more about this in the chapter AEROpart®!

\*Order and delivery not possible as a set, only as single components

## AERotreat® – Components for Oxygen Treatment | Mobile - Inhalation

Single components for the individual composition of mobile oxygen standing devices and armatures 2 - 5.  
Possible configuration with different AERoway® – Fast or AERoway® – Fine Pressure Reducers.

### Example configuration for your individual product solution\*

- AERotreat® – Gas Cylinder Trolley 1
- AERoway® – Fast Pressure Reducer 1 l/min | 5 l/min | 15 l/min, gradually adjustable or AERoway® – Fine Pressure Reducer 15 l/min, continuously adjustable 5
- AEROpact® – Oxygen Mask, with 2 m O<sub>2</sub> tubing, phthalate-free 2
- AEROpact® – Oxygen Cannula, straight, clear, phthalate-free 3
- AEROpact® – Bubble Humidifier, for single use 4
- Oxygen cylinder 10 l 6
- Cylinder jacket, 3-parted 7

### For mobile oxygen standing devices | For Inhalation



\*Order and delivery not possible as a set, only as single components

## AERotreat® – Components for Oxygen Treatment Mobile - Inhalation, Suction and Ventilation

Single components for the individual composition of mobile oxygen standing devices for nursing care and in emergency.  
For inhalation as well as for dosable suction and ventilation.

### Example configuration for your individual product solution\*

- AERotreat® – Gas Cylinder Trolley 1
- Standard Rail, curved and Wall rail claw 2 3
- AEROpact® – Oxygen Mask, with 2 m O<sub>2</sub> tubing and reservoir bag 4
- AEROpact® – Bubble Humidifier, reusable 5
- AERoway® – Fast 15-PSB Pressure Reducer 15 l/min, with fixed outlet and DIN coupling 4.5 bar | 120 l/min 6
- AEROsuc® – Suction Injector, continuously dosable up to 800 mbar 7
- AEROsuc® – Suction Container 1000 ml 8
- AERObag® – Manual Resuscitator Silicone, Resuscitation Mask sz. 5V 9, 2m O<sub>2</sub> tubing and reservoir bag 2500 ml
- Oxygen cylinder 10 l 10
- Cylinder jacket, 3-parted 11

### For mobile oxygen standing devices | For Inhalation, Suction and Ventilation



\*Order and delivery not possible as a set, only as single components. Suction container without tubing set.

Exemplary presentation mobile configuration | Inhalation, Suction and Ventilation\*



We also deliver further accessories for the oxygen supply, suction and ventilation upon request - more about this in the chapters AEROpart®, AEROsuc® and AERObag®!



Exemplary presentation mobile configuration Inhalation, Suction\* with AEROway® – Fast 15-V

Alternative configuration



Suction fixed adjustable open / closed

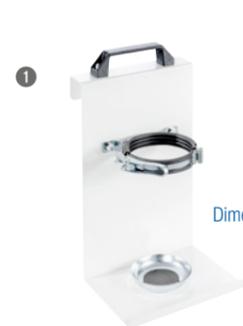
HDM01-15-V

Fast 15-V, additional outlet Suction injector

\*Order and delivery not possible as a set, only as single components. Suction container without tubing set.

Carrying Devices  

Carrying devices for 2 liter oxygen cylinders, with claw for attachment to a standard rail or a hospital bed. Both as a version just for holding an oxygen bottle as well as with an additional rail for DIN claws for holding the device, for e.g. suction container with bracket.



Dimensions (W x H x D): 190 x 390 x 120 mm



Dimensions (W x H x D): 400 x 495 x 150 mm

Description	Order Number
Carrying device TP 12	① HTP01-2

Description	Order Number
Carrying device TP 22S	② HTP02-2S

AEROcase® – Carrying Bags and AEROTreat® – Transport Caddy  

[Accessories - Portable Devices](#)

Carrying bags with shoulder and back strap and transport caddy with height-adjustable handle and smooth-running wheels, for portable oxygen devices.



Material	Colour	Dimensions (W x H x D)	Weight	Order Number
Polyester	Black	approx. 48 x 22 x 11 cm	approx. 0.9 kg	① HT01
Nylon	Black	approx. 25 x 50 x 13 cm	approx. 1.6 kg	② HT02-OBH
Metal	White	approx. 32 x 80 x 32 cm, height-adjustable up to 100 cm	approx. 4.0 kg	③ HC01

AEROTreat® – Gas Cylinder Trolley | Cylinder Jacket | Standard Rail  

[Accessories - Mobile Devices](#)

Gas cylinder trolley for mobile oxygen standing devices, cylinder jacket and standard rail.



Description	Order Number
Gas cylinder trolley with steel standpipe plus base made of cast aluminum, powder-coated, with 5 steerable wheels, Ø 50mm. Safe transport fixation via stable holding tray and prism with safety belt, for 10 l oxygen cylinders	① HFG01
Cylinder jacket, 3-parted, white, with cover and recess for cylinder valve or pressure reducer, for 10 l oxygen cylinders	② HFM01
Standard rail, curved, made of stainless steel and steel clamp, powder-coated. For attaching accessories to the gas cylinder trolley, e.g. suction container	③ HFG01-GS



Our AERObag® product family offers a wide range of solutions for a safe and reliable manual resuscitation as well as emergency ventilation.

### AERObag® – Manual Resuscitators and Masks

Our manual resuscitators and masks made of SEBS or silicone are powerful helpers in critical situations, designed for a user- and patient-friendly application. With our three models for adults, children or infants and our different masks, you are perfectly equipped for every patient group. The necessary accessories for PEEP or oxygen enriched ventilation are also available.

### AERObag® – Pocket Masks and CPR Face Shields

Our pocket masks efficiently protect first responders during the life-saving rescue breath and avoid the direct contact between user and patient. Our single use CPR face shields are also ideal helpers for an easy and safe rescue breathing in emergency situations. Upon request, we supply you with customized pocket masks and CPR face shields - with individual customer logo and in different colours. Feel free to contact us!

## AERObag® – Manual Resuscitators **NEW PRODUCT**

### Manual Resuscitator Sets | SEBS New quality in the single-use sector

High quality SEBS manual resuscitators, available as a set: Consisting of resuscitator, up to 3 PVC resuscitation masks as well as reservoir bag and 2 m oxygen safety tubing. Available sets for adults, children and infants. Supplied in a carrying bag, with individually packed components.

#### Material and components

- High quality and environmentally friendly SEBS material
- Biocompatible: skin-friendly, without causing allergic reactions
- Flexible and elastic - with high tear resistance
- Excellent ozone and weather resistance
- Latex- and phthalate-free components (only the O<sub>2</sub> tubing contains PHT / DINP)
- Easy handling and secure hold thanks to the easy-to-grip surface structure

#### Further special features at a glance

- Precision-fit connectors in accordance with DIN EN ISO 5356
- With rotatable patient connection cone, pressure relief valve, all-in-one intake valve - with integrated reservoir valve and separate connection for 6 mm oxygen tubings
- Powerful, user-friendly and patient-orientated as well as robust – even under the toughest operating conditions combined with a high level of ease of use
- Very responsive bag with minimal mechanical resistance



Exemplary product presentation

### Our Manual Resuscitators SEBS



Components Patient group	Resuscitator volume	No. of masks	Resuscitation mask size					Order number
			0V	1V	2V	3V	4V	
Adults (> 33 kg)	1630 ml	1					✓	HBB17-E-4R
		2					✓	HBB17-E-5R
		3				✓	✓	✓
Children (10 - 33 kg)	680 ml	1			✓			HBB17-K-2R
		2		✓	✓			HBB17-K-3R
Infants (≤ 10 kg)	340 ml	1	✓					HBB17-B-0R
		2	✓	✓				HBB17-B-1R
								HBB17-B-01R

Manual resuscitator currently only available as a set

## AERObag® – Manual Resuscitators

### Manual Resuscitator Sets | Silicone Proven reusable version

Durable silicone resuscitator bags, available as a set: Consisting of 1 resuscitator bag and 1 resuscitator mask as well as a reservoir bag and 2 m oxygen safety tubing. Suitable for adults, children or infants. Supplied in a polybag, with individually packed components.

#### Material and components

- High quality materials, hygiene-friendly and clearly visible combined with easy handling and a secure hold thanks to the easy-to-grip surface structure
- Particularly suitable for daily use
- Latex- and phthalate-free components (only the reservoir bag and O<sub>2</sub> tubing contain PHT / DINP)
- Disinfectable and autoclavable; contamination is easy to recognise and clean
- Temperature-resistant, with very good quality and long lifetime

#### Further special features at a glance

- Precision-fit connectors in accordance with DIN EN ISO 5356
- With rotatable patient connection cone, pressure relief valve, all-in-one intake valve - with integrated reservoir valve and separate connection for 6 mm oxygen tubings
- Powerful, user-friendly and patient-orientated as well as robust – even under the toughest operating conditions – combined with a high level of ease of use
- Very responsive bag with minimal mechanical resistance



Exemplary product presentation

#### Our Manual Resuscitators Silicone



Components	Resuscitator volume	No. of masks	Resuscitation mask size			Ordner number
			1V	3V	5V	
<b>Patient group</b>						
Adults (> 20 kg)	1500 ml	1			✓	HBB05-E-5VR
Children (5 - 20 kg)	450 ml	1		✓		HBB05-K-3VR
Infants (< 5 kg)	280 ml	1	✓			HBB05-B-1VR

Manual resuscitator currently only available as a set

## AERObag® – PEEP-Ventile

 Accessories - Resuscitators

PEEP valves 2 - 10 cmH<sub>2</sub>O (orange) or 5 - 20 cmH<sub>2</sub>O (blue) made of polycarbonate ① ② for stepless regulation of the positive end-expiratory pressure (PEEP) during ventilation. Supplied with 2 socket adapters (22 mm OD, 30 mm ID). The PEEP valves will be connected to the patient valve using a diverter ③.



Model	Material	Ordner number
● PEEP valve orange, 2 - 10 cmH <sub>2</sub> O	Polycarbonate	① HPV06-10
● PEEP valve blue, 5 - 20 cmH <sub>2</sub> O		② HPV06-20
Diverter / PEEP-Ventil-Adapter	-	③ HBB16-DV

 PEEP valve for manual resuscitators HBB17 available upon request

## AERObag® – Reservoir Bags

 Accessories - Resuscitators

Reservoir bags made of PVC, polyethylene or ethylene-vinyl acetate (EVA) / polypropylene (PP), for additional oxygenation during ventilation. With 25 mm ID connection made of polycarbonate, for use with manual resuscitators HBB05 ① ② or HBB17 ③. Latex- and phthalate-free.



Volume	Ordner number		Volume	Ordner number
	① PVC	② Polyethylene		③ EVA, PP*
2500 ml (adults, children)	HBB05-RB2500	HBB06-RB2500	2000 ml (adults)	HBB16-RB2000
600 ml (infants)	HBB05-RB600	HBB06-RB600	1600 ml (children)	HBB16-RB1600
-	-	-	600 ml (infants)	HBB16-RB600

\*Reorder for existing sets HBB17

## AERObag® – Storage Case

 Accessories - Resuscitators

Storage case made of transparent polypropylene, suitable for all AERObag® – Resuscitator models including accessories. With hinged handle and large storage space.



Dimensions (W x H x D)	Ordner number
34 x 14.5 x 13.5 cm	HBB05-AB

## AERObag® – Resuscitation Masks Silicone I PVC

Reusable silicone resuscitation masks and single use PVC resuscitation masks. Different mask sizes for adults, children and infants available, with connection using ISO standard. Transparent, anatomically shaped as well as soft and smooth. With good sealing even at low contact pressure.

### Full silicone ①

- Reusable / Autoclavable
- With integrated silicone lip cushion
- Sizes 0 - 5



### PVC ②

- Single use, colour blue
- Clear body and inflatable PVC air cushion
- Colour-coded hooks made of polyethylene for mask head straps



### PVC I For HBB17 ③

- Single use
- Clear body and inflatable PVC air cushion
- Colour-coded hooks made of polyethylene for mask head straps



Sizes	Ordner number					
	① Full silicone		② PVC		③ PVC*	
0	HBM05-0V	HBM06-0V	○	HBM16-0V	○	
1	HBM05-1V	HBM06-1V	●	HBM16-1V	●	
2	HBM05-2V	HBM06-2V	●	HBM16-2V	●	
3	HBM05-3V	HBM06-3V	●	HBM16-3V	●	
4	HBM05-4V	HBM06-4V	●	HBM16-4V	●	
5	HBM05-5V	HBM06-5V	●	HBM16-5V	●	

\*Reorder for existing sets HBB17

## Inflator / Deflator

Small handy PVC bag for inflation and deflation of resuscitation mask cushions, with fixation hook for key pouches.



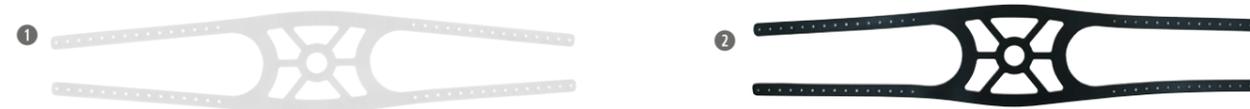
Material	Dimensions (W x H)	Weight	Ordner number
PVC	4.2 x 7.9 cm	approx. 23 g	HBM01-ID

Accessories - Resuscitation Masks

## AERObag® – Mask Head Straps

Accessories - Resuscitation Masks

Mask head straps for AERObag® – Resuscitation Masks, reusable silicone ① or for single use made of rubber ②.



Model	Ordner number	
Mask strap, 700 mm, white, silicone	HBM05-B700	-
Mask strap, 700 mm, black, rubber	-	HBM06-B700

## AERObag® – Hyperventilation Mask

Single use hyperventilation mask made of PVC for complementary treatment of the hyperventilation syndrome. Optimal therapy through rebreathing and particularly user- and patient-friendly.

- Anatomical shape
- Fixed and with 2000 ml large-volume rebreathing bag
- Wide nose clip and adjustable elastic strap



Ordner number
HBM06-HV2000E



## AERObag® – CPR Face Shields

Single use CPR face shield made of polyethylene (PE) for adults, consisting of user side's printed face cover and an integrated one-way valve. Supplied in a practical soft case 5 x 5 cm, made of nylon fabric and with a key ring. For easy and safe use in emergency situations.



Customized CPR face shields available upon request

With individual customer logo and possible selection of 14 different colours!

Standard colour*		Ordner number
●	Blue	HBT01-V-S5x5-B
●	Black	HBT01-V-S5x5-BLK
●	Blue Purple	HBT01-V-S5x5-LB
●	Red	HBT01-V-S5x5-R
●	Yellow	HBT01-V-S5x5-Y
●	Golden Yellow	HBT01-V-S5x5-YG
●	Green	HBT01-V-S5x5-G

\*Due to the printing process, colour deviations are possible

QTY: 10



## AERObag® – Pocket Masks

Single-use resuscitation mask made of PVC for adults and children, supplied in a robust hard shell case. Anatomically shaped, well-sealing air-cushion mask with an elastic head strap for fixation of the mask to the patient's head. For optimal protection during rescue breathing, without direct contact between user and patient.

### Safe

- Double protection thanks to a one-way valve in the mouthpiece and a bacterial filter
- Additional infection protection provided by single-use PVC gloves
- Transparent PVC body for better patient monitoring

### Flexible

- Universal use, suitable for adults and children
- Immediately ready for use – ideal for the quick and effective ventilation in any situation

### High ease of use

- Easily unfoldable mask with a soft, adaptable mask cushion and adjustable elastic band for an optimal fit
- Easy and secure transport thanks to a robust hard shell case with a practical carrying strap



Exemplary product presentation

### Scope of delivery



Air-cushion mask



Hard shell case with carrying strap



Alcohol pads



**Customized pocket masks available upon request**  
With individual customer logo and possible selection of 5 different colours!

Colour*		Order number
	Blue	HBM16-PMB
	Yellow	HBM16-PMB-Y <b>NEW PRODUCT</b>

\*Due to the printing process, colour deviations are possible



One-way valve, incl. filter



Single-use PVC gloves

# AEROSUC®

## Suction Devices Manual | Pneumatic | Electric



AEROSUC® is suitable for applications in the areas of homecare, emergency medical service and hospital. We supply you with various solutions and with a wide range of accessories for everything to do with medical suction.

### AEROSUC® – Manual Suction Devices

The manual suction devices are designed for mobile emergency use. Choose between hand and foot operation, depending on the application and the user's wishes.

### AEROSUC® – Pneumatic Suction Devices

Our solutions for pneumatic suction are operated with vacuum, compressed air or oxygen and are available in various versions. We provide vacuum regulators with different vacuum ranges, different housing colours, analogue or digital manometer and with direct ZGA plug or pressure tubing with ZGA plug. The range also includes suction injectors, a large number of different suction containers and lids as well as various accessories. Please do not hesitate to contact us for your individual product solution!

### AEROSUC® – Electrical Suction Devices

The two electrically operated suction devices AEROSUC® – EASY Home 1 and 2 are suitable for medical suction in homecare environments or in the hospital. Powerful, smooth-running, hygienically safe and easy as well as intuitively to use.

## AEROSuc® – Rescue - Manual Suction Pump

Manuell

Manually powered suction device for oropharyngeal suction, according to DIN EN ISO 10079-2. Developed for quick use, energy-independent and maintenance-free. Suitable for adults and children.

- Easy one-hand operation with maximum performance
- Max vacuum (within 10 s) -60 kPa, -450 mmHg, -0.6 bar
- Free air flowrate > 0.33 l/s (20 l/min)

### Scope of supply

Hand-held device ① incl. suction container 300 ml with bacterial filter ②, adapter for suction catheters ③ as well as PVC suction tubings, size S and L ④ ⑤

### For emergency and transport cases



### Protection system devices

One-way valve technology



**Overflow protection**  
Contamination protection for the pump

**Valve cap**  
Return protection towards patient

### Sealing system at the pump

Perfect fit of the suction container



Sealing ring at the pump inlet

Dimensions (W x H x D)	Weight	Order number
22 x 18 x 8 cm	275 g	① HAG01-HP

## AEROSuc® – Rescue - Manual Suction Pump | Accessories and Spare Parts

Scope of supply for HAG01-HP as well as available as spare parts. For single use.



Description	Material	Order number
Suction container 300 ml, with bacterial filter	Polypropylene (PP)	② HAG01-HP-AG
Adapter for suction catheters with funnel connector, 10 pcs. (spare)	ABS747	③ HAG01-HP-AAK
PVC suction tubing, size S	Polyvinyl Chloride (PVC)	④ HAG01-HP-ASS
PVC suction tubing, size L	Polyvinyl Chloride (PVC)	⑤ HAG01-HP-ASL

## VacUp – Foot Suction Pump

Manuell

Energy-independent and maintenance-free secretion foot suction pump developed for daily use, according to DIN EN ISO 10079-2. For suction of larger accumulations of blood, mucus, saliva, etc. as well as viscous and solid food components.

- Simple and reliable handling
- Powerful at max. vacuum of -82 kPa, -615 mmHg, -0.82 bar with a suction capacity of 72 l/min (air)
- Particularly resistant materials | Autoclavable at 121 °C
- Can also be used to evacuate vacuum mattresses

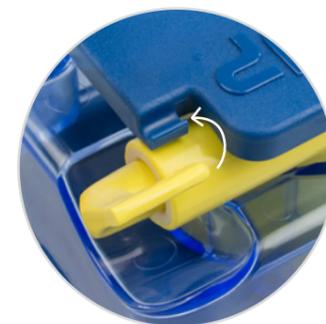
### Features

Including 650 large suction container with overflow protection and suction tubing 1300 mm (Ø 8 mm) with tubing connector

### Also suitable for manual operation

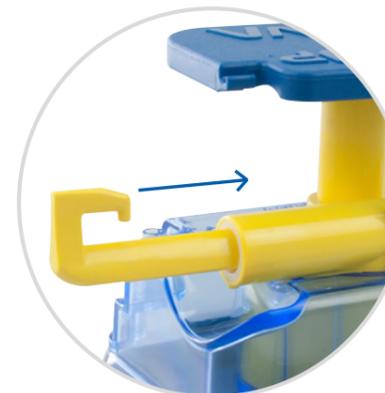


### 1 clip - 2 functions



#### 1. Pedal lock

For space-saving storage



#### 2. Venting device

Reducing the pressure or venting through complete insertion



Slot for additional collection container

Dimensions (W x H x L)	Weight	Order number
13 x 11 x 18 cm	850 g	HAG01-FP

## AEROSUC® – Components for Suction Devices | Portable and Mobile - Pneumatic

Single components for the individual composition of portable or mobile suction devices.  
Possible configuration with different vacuum regulators or suction injectors.

### Example configuration for your individual product solution\*

#### Portable

- Double bracket and suction containers 1000 ml or 2000 ml, made of polysulfone
- Vacuum regulator / suction injector, with 1.5 m pressure tubing and ZGA plug as well as overflow container with bacterial filter
- Lid with pressure or screw cap and integrated overflow protection

#### Mobile

- Trolley, chrome-plated, with insertions for 2 suction containers and double bracket for quivers
- Double bracket and quiver 500 mm long, made of polycarbonate, for suction catheters
- Suction containers 1000 ml or 2000 ml, made of polysulfone
- Vacuum regulator / suction injector, with 1.5 m pressure tubing and ZGA plug as well as overflow container with bacterial filter
- Lid with pressure or screw cap and integrated overflow protection

#### Different vacuum regulators

- Vacuum range: 0 - 250 mbar | 0 - 600 mbar | 0 - 1000 mbar
- Housing: grey or yellow | Manometer: analogue | digital (upon request)
- Connection: 1.5 m pressure tubing with ZGA plug DIN 13260
- With overflow container and bacterial filter

#### Suction injectors

- Suction performance up to 800 mbar
- Housing: grey or yellow | Manometer: analogue | digital (upon request)

Exemplary presentation portable configuration with vacuum regulator ① or suction injector\* ②



Exemplary presentation mobile configuration with vacuum regulator\*



\*Order and delivery not possible as a set, only as single components. Suction containers without tubing set.

## AEROSUC® – Vacuum Regulators and Suction Injectors

Pneumatic

### Vacuum Regulators

Vacuum regulators according to DIN EN ISO 10079-3, for medical or surgical suction, for the connection to DIN couplings or wall boxes / vacuum lines in hospitals (ZGA).

- Max. flow 110 l/min (pump with flow 160 l/min)
- Freely rotatable control valve at the stop - no blocking possible
- Easy click closure for easy attachment and detachment of the overflow container
- Connecting nozzle made of metal, built directly into the regulator body
- With shatter-proof overflow container made of polycarbonate and bacterial filter on the front (effectiveness 99.97 %, particle size 0.3 µm)

#### Different models

- Vacuum range: 0 - 250 mbar | 0 - 600 mbar | 0 - 1000 mbar
- Manometers: analogue or digital | Housing: grey or yellow
- Direct connection DIN plug 13260 | 1.5 m pressure tubing with ZGA plug and bracket for wall rail claw\*



\*Versions with pressure tubing including wall rail claw HWS01-KLEK

Pivotable by 90°



Easy click closure



Manometer analogue or digital

#### Analogue



1



2

#### Digital



3



4

#### Vacuum regulator analogue

Vakuum range	Order number			
	① ZGA plug		② 1.5 m pressure tubing with ZGA plug	
	● Grey	● Yellow	● Grey	● Yellow
0 - 250 mbar	HAG02-C2RV-ZGA	HAG02-C2YRV-ZGA	HAG02-C2RVS-ZGA	HAG02-C2YRVS-ZGA
0 - 600 mbar	HAG02-C6RV-ZGA	HAG02-C6YRV-ZGA	HAG02-C6RVS-ZGA	HAG02-C6YRVS-ZGA
0 - 1000 mbar	HAG02-C10RV-ZGA	HAG02-C10YRV-ZGA	HAG02-C10RVS-ZGA	HAG02-C10YRVS-ZGA

#### Vacuum regulator digital

Vakuum range	Order number			
	③ ZGA plug		④ 1.5 m pressure tubing with ZGA plug	
	● Grey	● Yellow	● Grey	● Yellow
0 - 250 mbar	HAG02-CD2RV-ZGA	HAG02-CD2YRV-ZGA	HAG02-CD2RVS-ZGA	HAG02-CD2YRVS-ZGA
0 - 600 mbar	HAG02-CD6RV-ZGA	HAG02-CD6YRV-ZGA	HAG02-CD6RVS-ZGA	HAG02-CD6YRVS-ZGA
0 - 1000 mbar	HAG02-CD10RV-ZGA	HAG02-CD10YRV-ZGA	HAG02-CD10RVS-ZGA	HAG02-CD10YRVS-ZGA

## AEROSuc® – Vacuum Regulators and Suction Injectors

### Suction Injectors

Suction injectors according to DIN EN ISO 10079-3, for the suction of liquids and secretions, with ZGA plug (AIR / O<sub>2</sub>) for the connection to DIN couplings or wall boxes / compressed air or oxygen lines in hospitals (ZGA).

- Max. vacuum 800 mbar (± 50 mbar), flow rate 40 l/min, limited gas consumption 60 l/min at 800 mbar
- High performance silencer guarantees quiet operation
- Extremely robust body made of anodised aluminum and with shatter-proof overflow container made of polycarbonate

### Different models

- With overflow container and filter | With separate connecting nozzle
- Manometer: analogue or digital | Housing: grey or yellow
- Direct connection DIN plug 13260 | 1.5 m pressure tubing with ZGA plug and bracket for wall rail claw\*



\*Versions with pressure tubing including wall rail claw HWS01-KLEK



Pneumatic

### Analogue



### Digital



Retrofittable:  
150 ml overflow container  
HAG02-RV150SI-V2



Optional for versions  
2 4 6 8

### Suction injector analogue

Outlet	Order number	
	ZGA plug	1.5 m pressure tubing with ZGA plug
Overflow container and filter with connecting nozzle	1 HAG02-IRV-ZGA	5 HAG02-IRVS-ZGA
Barbed hose adapter	2 HAG02-ISA-ZGA	6 HAG02-ISAS-ZGA

### Suction injector digital

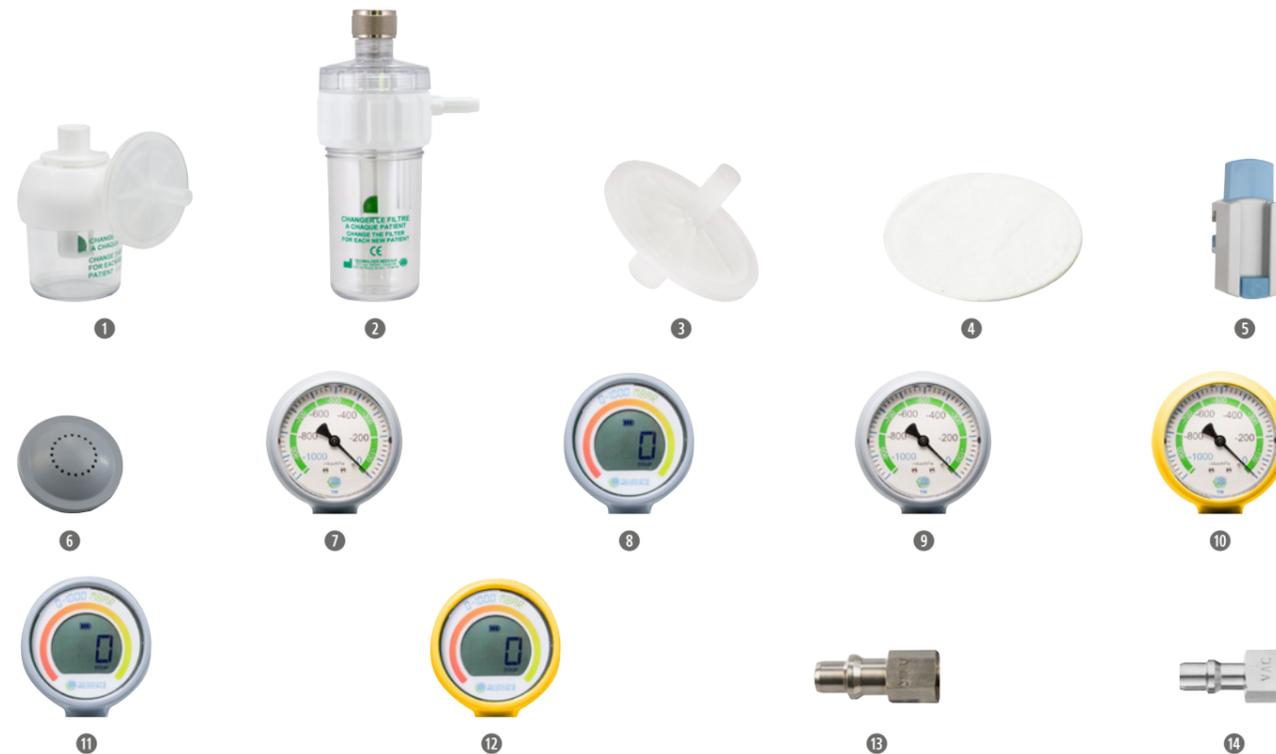
Outlet	Order number	
	ZGA plug	1.5 m pressure tubing with ZGA plug
Overflow container and filter with connecting nozzle	3 HAG02-IDRV-ZGA	7 HAG02-IDRVS-ZGA
Barbed hose adapter	4 HAG02-IDSA-ZGA	8 HAG02-IDSAS-ZGA

## AEROSuc® – Vacuum Regulators and Suction Injectors

### Spare Parts

Overflow containers, bacterial filters, silencer, analogue and digital manometers and ZGA plugs.

Spare Parts



Description	Order number
Reservoir / overflow container 100 ml, autoclavable at 134 °C, suitable for AEROSuc® – Vacuum Regulators and Suction Injectors	1 HAG02-RV100SC
Reservoir / overflow container 150 ml, autoclavable at 134 °C, suitable for AEROSuc® – Suction Injector versions with barbed hose adapter	2 HAG02-RV150SI-V2
Bacterial filter for overflow container HAG02-RV100SC	3 HAF03-RV
Bacterial filter - suction filter membrane for overflow container HAG02-RV150SI-V2	4 HAF03-M50/100
Wall rail claw, with insertion for bracket	5 HWS01-KLEK
Silencer for AEROSuc® – Suction Injectors	6 HAG02-I-SD
Analogue manometer for AEROSuc® – Suction Injectors	7 HAG02-VGA-SI
Digital manometer for AEROSuc® – Suction Injectors	8 HAG02-VGD-SI
Analogue manometer for AEROSuc® – Vacuum Regulator, 250 mbar, housing grey	9 HAG02-VGA-250G-VR
Analogue manometer for AEROSuc® – Vacuum Regulator, 600 mbar, housing grey	9 HAG02-VGA-600G-VR
Analogue manometer for AEROSuc® – Vacuum Regulator, 1000 mbar, housing grey	9 HAG02-VGA-1000G-VR
Analogue manometer for AEROSuc® – Vacuum Regulator, 250 mbar, housing yellow	10 HAG02-VGA-250Y-VR
Analogue manometer for AEROSuc® – Vacuum Regulator, 600 mbar, housing yellow	10 HAG02-VGA-600Y-VR
Analogue manometer for AEROSuc® – Vacuum Regulator, 1000 mbar, housing yellow	10 HAG02-VGA-1000Y-VR
Digital manometer for AEROSuc® – Vacuum Regulator, 250 mbar, housing grey	11 HAG02-VGD-250G-VR
Digital manometer for AEROSuc® – Vacuum Regulator, 600 mbar, housing grey	11 HAG02-VGD-600G-VR
Digital manometer for AEROSuc® – Vacuum Regulator, 1000 mbar, housing grey	11 HAG02-VGD-1000G-VR
Digital manometer for AEROSuc® – Vacuum Regulator, 250 mbar, housing yellow	12 HAG02-VGD-250Y-VR
Digital manometer for AEROSuc® – Vacuum Regulator, 600 mbar, housing yellow	12 HAG02-VGD-600Y-VR
Digital manometer for AEROSuc® – Vacuum Regulator, 1000 mbar, housing yellow	12 HAG02-VGD-1000Y-VR
ZGA plug / Combo plug AIR / O <sub>2</sub> for AEROSuc® – Suction Injectors	13 HAG02-O2/AIR-SI
ZGA plug for AEROSuc® – Vacuum Regulators	14 HAG02-VAC-VR
„High Vacuum Grease“ for AEROSuc® – Vacuum Regulators	HAG02-HVG-VR

## AEROSUC® – Suction Containers | Containers and Lids

Accessories - Pneumatic Suction Devices

Reusable suction containers for pneumatic suction devices, according to DIN EN ISO 10079-3.

### Different models

- 1000ml | 2000ml | 4000ml
- Made of polysulfone (autoclavable up to 134 °C) | Made of polycarbonate (autoclavable up to 121 °C)

### All lids with integrated overflow protection

- Screw cap (metal) | Pressure cap (polypropylene, silicone)
- With integrated bracket for wall rail claw (1000 ml | 2000 ml), separately available at 4000 ml (HWS01-KLEK)



### Containers complete with lid

Order number	Container		With lid (screw cap)		With lid (pressure cap)	
	Material	Volume	Metal	Polypropylene	Silicone	
	Polysulfone	1000 ml	1 HAG02-1000KD-PSF	2 HAG02-1000KP-PSF	3 HAG02-1000KS-PSF	
		2000 ml	4 HAG02-2000D-PSF	5 HAG02-2000P-PSF	6 HAG02-2000S-PSF	
		4000 ml	-	10 HAG02-4000P-PSF	-	
	Polycarbonate	2000 ml	7 HAG02-2000D-PC	8 HAG02-2000P-PC	9 HAG02-2000S-PC	
		4000 ml	-	11 HAG02-4000P-PC	-	

### Containers

Material	Volume	Order number
Polysulfone	1000 ml	HAG02-1000K-G-PSF
	2000 ml	HAG02-2000-G-PSF
	4000 ml	HAG02-4000-G-PSF
Polycarbonate	2000 ml	HAG02-2000-G-PC
	4000 ml	HAG02-4000-G-PC

### Lid

Order number	Screw cap		Pressure cap		Suitable for suction containers
	1 Metal	2 Polypropylene	3 Silicone		
	HAG02-2000-DD-PSF	HAG02-2000-DP-PSF	HAG02-2000-DS-PSF		1000 ml   2000 ml
	-	HAG02-4000-DP	-		4000 ml

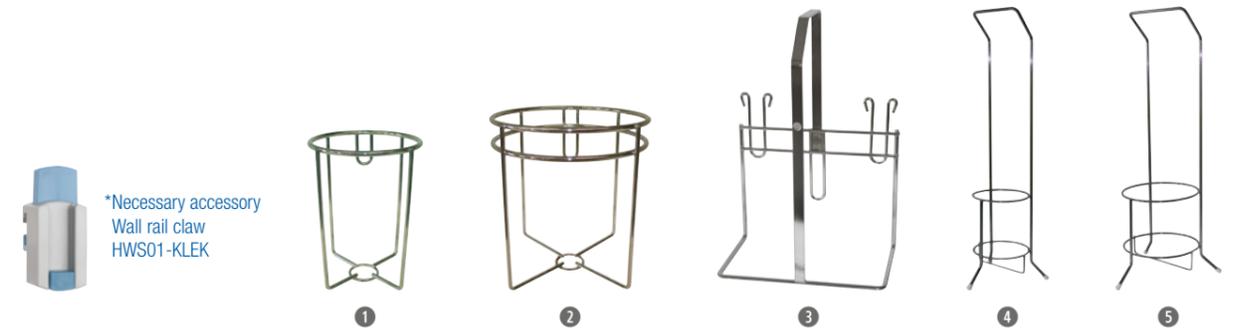


Spare Parts - Suction Containers

## AEROSUC® – Brackets for Suction Containers

Accessories - Suction Containers

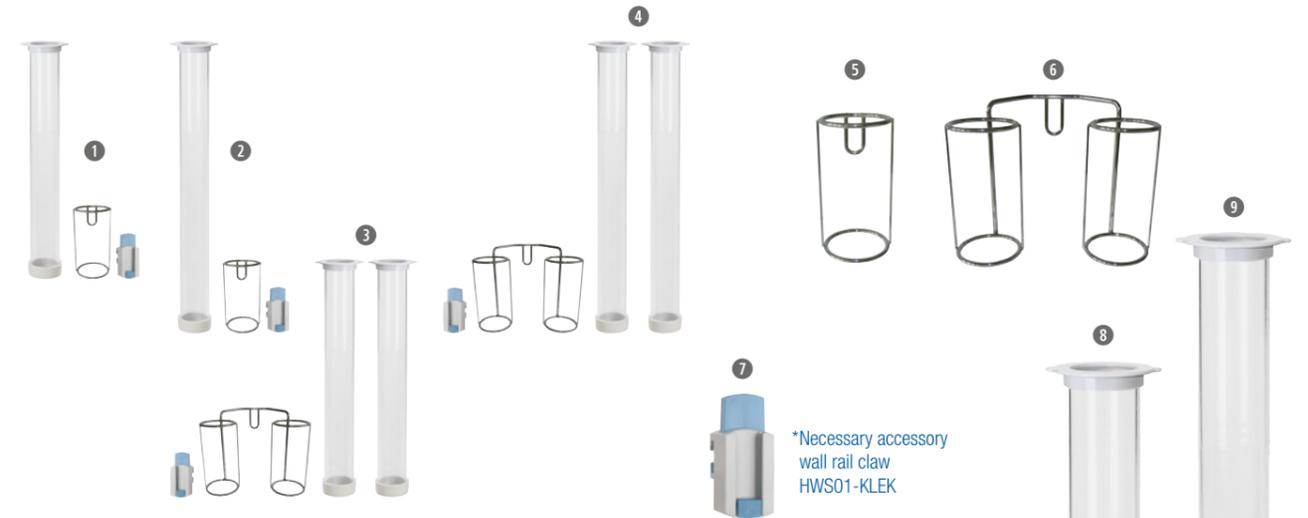
Single, double or standing brackets for suction containers, chrome-plated.



Description	Order number
Bracket for 2000 ml suction container, with integrated bracket for wall rail claw*	1 HAG02-2000-H
Bracket for 4000 ml suction container, with integrated bracket for wall rail claw*	2 HAG02-4000-H
Double bracket for 1000 ml and 2000 ml suction containers, with integrated bracket for wall rail claw*	3 HAG02-2000-H2
Standing bracket for 2000 ml suction container	4 HAG02-2000-HS
Standing bracket for 4000 ml suction container	5 HAG02-4000-HS

## AEROSUC® – Quiver Sets and Individual Parts

Quiver sets with polycarbonate quivers, length 400 mm or 500 mm, wall rail claw and chrome-plated single or double brackets with integrated bracket for wall rail claw and items that can be ordered individually, for storing suction catheters.



	Description	Order number
Quiver Sets	Quiver 400 mm, bracket and wall rail claw	1 HAG02-KÖ-400
	Quiver 500 mm, bracket and wall rail claw	2 HAG02-KÖ-500
	Double quiver 400 mm, double bracket and wall rail claw	3 HAG02-KÖ-400-H2
	Double quiver 500 mm, double bracket and wall rail claw	4 HAG02-KÖ-500-H2
Individual Parts	Single bracket	5 HAG02-KÖ-H
	Double bracket	6 HAG02-KÖ-H2
	Wall rail claw	7 HWS01-KLEK
	Quiver 400 mm	8 HAG02-KÖ-400/E
	Quiver 500 mm	9 HAG02-KÖ-500/E

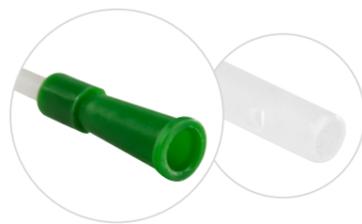


## AEROSUC® – Suction Catheters

Accessories - Suction Devices

Suction catheters made of latex-free PVC, with soft medical tube quality (70 ± 2 Shore A). Length approx. 30 cm ① and 50 cm ②, individually sterile packed.

- Good gliding properties
- Central opening and 2 lateral eyes that prevent the catheter tip from being sucked
- Atraumatic rounded catheter tip for minimal irritations of the mucous membranes



Colour-coded funnel connectors

Charrière (CH)	Colour	Order number	
		① 30 cm	② 50 cm
06	Light Green	HAK11-30-06	HAK11-50-06
08	Blue	HAK11-30-08	HAK11-50-08
10	Black	HAK11-30-10	HAK11-50-10
12	White	HAK11-30-12	HAK11-50-12
14	Dark Green	HAK11-30-14	HAK11-50-14
16	Orange	HAK11-30-16	HAK11-50-16
18	Red	HAK11-30-18	HAK11-50-18

## AEROSUC® – Suction Connection Tubing

PVC suction connection tubing with funnel connector and fingertip suction interrupter, CH 25, length 200 cm, individually sterile packed.



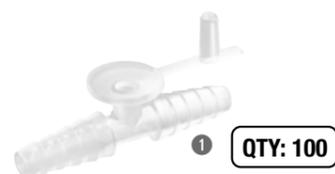
QTY: 50

Order number
HAS02-25-200-TK/FT

Upon request, also available in other lengths, charrières and with different connections

## AEROSUC® – Suction Interrupters

Suction interrupters for vacuum control, for use between suction catheter and connecting tubing.



Description	Order number
Fingertip suction interrupter with finger recess and sealing plug, individually sterile packed	① HAU11-FT
Suction interrupter with dosing tip and hook for rail systems	② HAU01-DTS
Suction interrupter with finger recess and hook for rail systems	③ HAU01-FMS

## AEROSUC® – EASY Home

Electric

Electrically operated suction pumps for use in the areas of homecare and other healthcare facilities. For removal of secretions and fluids from the airways as well as infection material from wounds.

### Powerful and smooth running

- Max. vacuum ≥ 0,71 bar (≥ 530 mmHg)
- High flow rate: > 20 l/min
- Low-noise level: ≤ 60 dB, 1 m distance
- Approx. 50 min continuous battery operation

### More mobility for the user

- Available as a mains version or with an integrated rechargeable battery
- Lightweight (2.4 or 2.8 kg)
- Convenient transport with handle or in the storage bag



AEROSUC® – EASY Home 1  
Mains Version



AEROSUC® – EASY Home 2  
Battery Version

### Clear control panel

All control elements are combined in the control panel

- Toggle switch for easy on and off
- Manometer display in bar and mmHg
- Stepless vacuum regulation
- Battery status indicator (with battery version)



Control panel EASY Home 2



Efficient and reliable

### Dual hygiene concept

#### 1. Suction container with overflow protection

- 1000 ml capacity
- Level scale (100 ml division)
- Closable opening in the lid for fast emptying and sampling
- Lockable patient connection
- Easy cleaning
- Reusable, for single-patient-use

#### 2. Suction filter

- Protection against contamination

Specifications	Order number	
	HAG03-HC1 (EASY Home 1)	HAG03-HC2 (EASY Home 2)
Scope of supply	Consisting of suction pump and accessories ❶ - ❸	
Dimensions (W x H x D)	21.2 x 36.3 x 17.5 cm	
Weight (incl. adapter cable)	2.40 kg	2.80 kg
Power cable (adapter)	Input: 100-240 volts ~ 50-60 Hz., 1,1 A; Output: 12 volts --- 4.0 A	
Input DC connection	12 volts --- 4.0 A	
Internal power supply (Lithium-Ion Battery)	-	18650 three series two parallel, 11.1V/4400mAh
Battery charging time	-	8 hours
Battery life (after 8 hours charging)	-	approx. 50 min (at max. suction power)
Max. vacuum	≥ 0.71 bar (≥ 530 mmHg)	
Min. vacuum	≤ 0.19 bar (≤ 150 mmHg)	
Max. suction power (free flow)	≥ 20 lpm with 1000ml (CC) suction canister	
Noise level	≤ 60 dB, (from 1 m distance)	
Service life	≥ 2 years	

### AEROsuc® – EASY Home | Accessories and Spare Parts



Description	Order number
Suction container with overflow protection, 1000 ml, lid made of PP, container made of PC	❶ HAG03-HC-AG1
Suction connection tubing 1.80 m with funnel connectors	❷ HAG03-HC-AS1
Bacterial / suction filter	❸ HAG03-HC-AF
Silicone connecting tubings, ID 8 mm / OD 14 mm, 0.15 m, 2 pcs.	❹ HAG03-HC-AS-7/13.5-SET
Device / air filters, 6 pcs. (spare)   5 pcs. (accessory)	❺ HAG03-HC-GF/6
Power connection cable	❻ HAG03-HC-NSEU
Power adapter EU	❼ HAG03-HC-NTEU
Transport bag, black	❽ HAG03-HC-T
Car adapter 12V	❾ HAG03-HC-AA
Filter cap for device / air filter	❿ HAG03-HC-GF-K

Available separately: Fingertip suction interrupter with finger recess and sealing plug, individually sterile packed (QTY: 100)



AEROp<sup>®</sup>art comprises high quality oxygen as well as breathing gases plus reliable accessories. The focus is here on application safety as well as patient comfort. Safe, easy and comfortable - for the desired therapeutic success!

### Pressurised Gas Cylinders Oxygen | Compressed Air | Nitrous Oxide | Carbon Dioxide

We offer you filled pressurised gas cylinders or fillings with oxygen or carbon dioxide for medical purposes, oxygen for breathing at high altitude or for food purposes, as well as with medical air and nitrous oxide, for an ideal and patient-friendly care.

### AEROp<sup>®</sup>art – Application Aids and Accessories

From oxygen cannulas and masks to safety tubings and tubing connectors, you will find the necessary accessories with us. High quality raw materials, maximum comfort and safety – all this means an optimal oxygen flow, even in difficult environments.

### AEROp<sup>®</sup>art – Products for Humidification

Bubble humidifiers for single use and reusable models with different capacities complete our AEROp<sup>®</sup>art range accordingly. You can also get sterile water as well as sterile water systems from us in different versions.

## Pressurised Gas Cylinders Oxygen

Filled pressurised gas cylinders or cylinder fillings with oxygen for medical purposes, breathing at high altitude or for food purposes, filling pressure 200 bar. Equipped with residual pressure valve, standardised connection threads according to DIN 477, cylinder bodies made of steel or aluminium.

Wholesale Permit  
acc. Section 52a  
AMG required!\*



Exemplary product representations

Oxygen for medical purposes - O <sub>2</sub> med.							
Material	Volume	Contents	Ø	Length	Weight	Order number	
						Bottle filled	Filling
Steel	0.3 l	60 l	60 mm	265 mm	1.35 kg	HFL11-03	HFL11-03-FÜLL
	0.8 l	160 l	83 mm	310 mm	2.10 kg	HFL11-08	HFL11-08-FÜLL
	1.0 l	200 l	83 mm	355 mm	2.40 kg	HFL11-1	HFL11-1-FÜLL
	2.0 l	400 l	100 mm	430 mm	3.60 kg	HFL11-2	HFL11-2-FÜLL
	3.0 l	600 l	100 mm	580 mm	4.80 kg	HFL11-3	HFL11-3-FÜLL
	5.0 l	1000 l	140 mm	530 mm	10.05 kg	HFL11-5	HFL11-5-FÜLL
Aluminium	10.0 l	2000 l	140 mm	915 mm	15.90 kg	HFL11-10	HFL11-10-FÜLL
	2.0 l	400 l	102 mm	360 mm	2.80 kg	HFL11-2-LA	HFL11-2-LA-FÜLL
	10.0 l	2000 l	140 mm	1045 mm	13.00 kg	HFL11-10-LA	HFL11-10-LA-FÜLL
Oxygen for breathing at high altitude - O <sub>2</sub>							
Material	Volume	Contents	Ø	Length	Weight	Order number	
						Bottle filled	Filling
Steel	0.8 l	160 l	83 mm	310 mm	2.10 kg	HFL07-08	HFL07-08-FÜLL
	1.0 l	200 l	83 mm	355 mm	2.40 kg	HFL07-1	HFL07-1-FÜLL
	2.0 l	400 l	100 mm	430 mm	3.60 kg	HFL07-2	HFL07-2-FÜLL
	3.0 l	600 l	100 mm	580 mm	4.80 kg	HFL07-3	HFL07-3-FÜLL
	5.0 l	1000 l	140 mm	530 mm	10.05 kg	HFL07-5	HFL07-5-FÜLL
	10.0 l	2000 l	140 mm	915 mm	15.90 kg	HFL07-10	HFL07-10-FÜLL
Aluminium	2.0 l	400 l	105 mm	445 mm	2.85 kg	HFL07-2-LA	HFL07-2-LA-FÜLL
Oxygen for food purposes - O <sub>2</sub> E948							
Material	Volume	Contents	Ø	Length	Weight	Order number	
						Bottle filled	Filling
Steel	2.0 l	400 l	100 mm	430 mm	3.60 kg	HFL18-2	HFL18-2-FÜLL
	5.0 l	1000 l	140 mm	530 mm	10.05 kg	HFL18-5	HFL18-5-FÜLL
	10.0 l	2000 l	140 mm	915 mm	15.90 kg	HFL18-10	HFL18-10-FÜLL

\*Please note that a Wholesale Permit acc. Section 52a AMG is required when placing your first order of pressurised gas cylinders for medical purposes because only pharmacies, doctors, hospitals, non-medical practitioners and pharmaceutical entrepreneurs are entitled to purchase!

## Pressurised Gas Cylinders Compressed Air | Nitrous Oxide | Carbon Dioxide

Filled pressurised gas cylinders or cylinder fillings with compressed air, nitrous oxide or carbon dioxide for medical purposes. Equipped with residual pressure valve (only CO<sub>2</sub>), standardised connection threads according to DIN 477 and cylinder bodies made of steel.

Wholesale Permit  
acc. Section 52a  
AMG required!\*



Upon request, you will receive further sizes as well as ZÜS assessments, lacquering in connection with a cylinder filling, cylinders with customer-specific embossing and empty pressurised gas cylinders



Exemplary product representations

Compressed Air - AIR							
Material	Volume	Contents	Ø	Length	Weight	Order number	
						Bottle filled	Filling
Steel	2.0 l	400 l	100 mm	430 mm	3.60 kg	HFL04-2	HFL04-2-FÜLL
	3.0 l	600 l	100 mm	580 mm	5.60 kg	HFL04-3	HFL04-3-FÜLL
	5.0 l	1000 l	140 mm	530 mm	10.05 kg	HFL04-5	HFL04-5-FÜLL
	10.0 l	2000 l	140 mm	915 mm	15.90 kg	HFL04-10	HFL04-10-FÜLL
Nitrous Oxide   N <sub>2</sub> O							
Material	Volume	Contents	Ø	Length	Weight	Order number	
						Bottle filled	Filling
Steel	2.0 l	1.50 kg	100 mm	430 mm	3.60 kg	HFL05-2	HFL05-2-FÜLL
	10.0 l	7.50 kg	140 mm	915 mm	15.90 kg	HFL05-10	HFL05-10-FÜLL
Carbon Dioxide for medical purposes - CO <sub>2</sub>							
Material	Volume	Contents	Ø	Length	Weight	Order number	
						Bottle filled	Filling
Steel	10.0 l	7.50 kg	140 mm	915 mm	18.00 kg	HFL16-10	HFL16-10-FÜLL
	13.4 l	7.50 kg	140 mm	915 mm	18.00 kg	HFL16-13.4	HFL16-13.4-FÜLL

\*Please note that a Wholesale Permit acc. Section 52a AMG is required when placing your first order of pressurised gas cylinders for medical purposes because only pharmacies, doctors, hospitals, non-medical practitioners and pharmaceutical entrepreneurs are entitled to purchase!

## AEROp<sup>®</sup> – Oxygen Cannulas

Oxygen nasal cannulas made of transparent PVC with kink-resistant oxygen safety tubing.

Different models according to:

- Patient group: Adults | Children | Infants | Babies | Neonates | Premature babies
- Nasal tips (cannulas): Straight | Curved
- Materials: "Soft" | "Supersoft" | and / or Phthalate-free | DEHP-free
- Models: "Standard" | "Low Flow" | "High Flow" | "Low-noise" | Especially for demand valves
- Tubing length: Safety tubings in different lengths | Different star lumens



### Nasal tips straight, soft



Oxygen cannulas with straight nasal tips, soft			
Patient group	Tubing	Model	Order number
Adults	0.33 m	up to 6 l/min, standard	1 HSB11-S-0.33
	2.00 m		1 HSB11-S
	5.00 m		1 HSB11-S5
Children	2.00 m		1 HSB11-S-K
Infants	2.00 m	up to 3 l/min, standard	1 HSB11-S-KK
Adults	2.00 m	up to 6 l/min, standard	2 HSB13-S <b>NEW PRODUCT</b>

### Nasal tips curved, soft



Oxygen cannulas with curved nasal tips, soft			
Patient group	Tubing	Model	Order number
Adults	2.00 m	up to 6 l/min, standard	HSB12-S
		up to 6 l/min, standard	HSB14-S <b>NEW PRODUCT</b>
Children		up to 6 l/min, standard	HSB12-S-K
Infants			HSB12-S-KK
Neonates / Babies		up to 3 l/min, standard	HSB12-S-NS

### Nasal tips curved, super soft



Oxygen cannulas with curved nasal tips, supersoft			
Patient group	Tubing	Model	Order number
Adults	0.33 m	up to 6 l/min, standard	HSB02-S-0.33
	2.10 m		HSB02-S
	2.10 m	up to 3 l/min (slim cannulas)	HSB02-S-LF
	2.10 m	up to 8 l/min (low-noise)	HSB02-S-Q
	2.10 m	up to 15 l/min (high flow)	HSB02-S-HF
Children	2.10 m	up to 6 l/min, distance 7.0 mm	HSB02-S-K
Infants	2.10 m	up to 3 l/min, distance 5.0 mm	HSB02-S-KK
Neonates / Babies	2.10 m	up to 3 l/min, distance 4.5 mm	HSB02-S-NS
Premature babies	2.10 m	up to 3 l/min, distance 3.0 mm	HSB02-S-F

### Nasal tips curved, super soft



Oxygen cannulas with curved nasal tips, supersoft			
Patient group	Tubing	Model	Order number
Adults	1.20 m	up to 6 l/min Specifically developed for use with demand valves	HSB02-S-D1.2

Divided nasal tips for patient monitoring and oxygen application

## Nasal tips curved, funnel-shaped



Oxygen cannula with curved nasal tips, funnel-shaped		
Patient group	Tubing	Order number
Adults	2.10 m	HSB04-S-F

## Ear Wraps

Accessories - Oxygen Cannulas

Light grey ear wraps for oxygen cannulas, made of soft closed-cell foam. Reliable protection against chafing on the ears, for single-patient-use, non-sterilisable.



Quantity	Order number
1 pair	HSB02-EZW

## AEROp<sup>®</sup> – Oxygen Masks

Oxygen masks made of transparent PVC, for children or adults, with moldable nose clip and elastic head strap.

Different types:

- With kink-resistant oxygen safety tubing 1 3
- With reservoir bag and kink-resistant oxygen safety tubing 2
- Phthalate-free



Patient group	Model	Order number
Adults	With O <sub>2</sub> tubing	1 HSM11-E
	With reservoir bag and O <sub>2</sub> tubing	2 HSM11-EB
	With O <sub>2</sub> tubing, phthalate-free	3 HSM13-E <b>NEW PRODUCT</b>
Children	With O <sub>2</sub> tubing	1 HSM11-K
	With reservoir bag and O <sub>2</sub> tubing	2 HSM11-KB
	With O <sub>2</sub> tubing, phthalate-free	3 HSM13-K <b>NEW PRODUCT</b>

### AEROp<sup>®</sup> – Aerosol Inhalation Sets

Single use aerosol inhalation sets for adults or children, consisting of mask with moldable nose clip, elastic head strap, 6 ml medication nebulizer and kink-resistant 2 m oxygen safety tubing.



2.00 m O<sub>2</sub> tubing

Patient group	Order number
Adults	HAI11-E
	HAI13-E  <b>NEW PRODUCT</b>
Children	HAI11-K
	HAI13-K  <b>NEW PRODUCT</b>

### AEROp<sup>®</sup> – Venturi Masks

**NEW PRODUCT**

Single use venturi masks for adults or children, consisting of mask with 2 colour-coded, adjustable valves (diluters), moldable nose clip, elastic head strap and kink-proof 2.1 m oxygen safety tubing. For the inhalation / insufflation of medical oxygen with increased oxygen concentration.



2.10 m O<sub>2</sub> tubing

Patient group	Order number
Adults	HSMV11-E-BV
Children	HSMV11-K-BV

### AEROp<sup>®</sup> – Oxygen Safety Tubings

Oxygen safety tubings made of transparent PVC, kink-resistant, in different lengths. Also available as phthalate-free version.



**NEW PRODUCT**

Safety tubing with star lumen  | Phthalate-free 

Length	Order number
0.33 m	HSS11-0.33
2.00 m	HSS11-2
3.00 m	HSS11-3
7.50 m	HSS11-7.5
10.00 m	HSS11-10
15.00 m	HSS11-15

Length	Order number
0.33 m	HSS13-0.33
2.00 m	HSS13-2
3.00 m	-
7.50 m	HSS13-7.5
10.00 m	HSS13-10
15.00 m	HSS13-15

### AEROp<sup>®</sup> – Barbed Hose Adapters

Rotatable or rigid barbed hose adapters, for 6 mm tubings. Moveable barbed hose adapter UNF 9/16" internal thread 1 | Angled barbed hose adapter 90° UNF 9/16" external thread 2



Model	Material	Type	Order number
Barbed hose adapter	Polyoxymethylene (POM)	straight, rotatable, green	1 HSA02-6G
Angled barbed hose adapter	Polybutylene Terephthalate (PBT)	90°, rigid, white	2 HSA02-6-WA

### Firesafe™ - Barbed Hose Adapter and Cannula Valve

Thermal protections with integrated one-way valve, interrupt the O<sub>2</sub> flow if the downstream tubing ignites, for 6 mm tubings. Barbed hose adapter UNF 9/16" internal thread 1 | Cannula valve MKII, bidirectional design 2



QTY: 20



QTY: 20

Model	Type	Order number
Barbed hose adapter	straight, rotatable, weiß	1 HSA03-6-FS
Cannula valve MKII	straight, rigid, white	2 HSV03-6-FS

### AEROp<sup>®</sup> – Tubing Connectors

Tubing connectors rigid or straight, rotatable, straight as well as T-shape, for 6 mm tubings.



QTY: 25



Model	Order number
Straight, rigid, transparent	1 HSV11-6
Straight, 360° rotatable, white	2 HSV01-6D
T-shape, rigid, transparent	3 HSV11-6-Y

### AEROp<sup>®</sup> – Water Trap

Water trap for collecting condensation during oxygen therapy, transparent, with screw caps and connections on both sides, for 6 mm tubings.



Dimensions (W x H x L)	Order number
approx. 29 x 29 x 188 mm*	HWF11

\*Including screw caps

## AEROp<sup>®</sup> – Bubble Humidifiers

Bubble humidifiers for use in oxygen therapy. Different capacities | Connection nut UNF 9/16" or G 3/8"  
For single use ① - ④ or reusable ⑤, ⑥ For "high flow" applications ③, ④

### Single Use



up to 3 l/min



up to 6 l/min



6 - 15 l/min „high flow“



6 - 15 l/min „high flow“

### Reusable



up to 15 l/min

Maximum volume	Total volume	Performance / flow	Inlet connection	Safety valve	Order number
125 ml	-	up to 3 l/min	Connecton nut with internal thread UNF 9/16"	207 mbar	① HAB01-916E
250 ml	440 ml	up to 6 l/min		410 mbar	② HAB01-916
250 ml	400 ml	6 - 15 l/min (high flow)		410 mbar	③ HAB11-916HF
300 ml	350 ml	6 - 15 l/min (high flow)		410 mbar	④ HAB01-916HF
160 ml	250 ml	up to 15 l/min	Connecton nut with internal thread G 3/8"	-	⑤ HAB02-38
			Connecton nut with internal thread UNF 9/16"	-	⑥ HAB02-916

## Spare Part for Reusable Bubble Humidifiers

Diffusor



QTY: 10

Order number
HAB02-DIF

## AEROp<sup>®</sup> – Sterile Water and Sterile Water Systems

### Sterile Water with screw cap

Sterile water bottle 1000 ml, sterile and pyrogen-free. PP container with screw cap for manual filling of bubble humidifiers. Can also be used for rinsing and cleaning during surgical interventions, for rinsing wounds and burns and much more. Latex-free, DEHP-free and nickel-free.



SU = 6 pcs. / carton  
576 pcs. / palette



Description	Contents	Order number
Container with screw cap	1000 ml	HSTW03-1000FLD

## Sterile Water Systems

Sterile water systems, pyrogen-free, including connection adapter UNF 9/16" for direct connection to oxygen concentrators or pressure reducers, outlet connection for 6 mm tubings.



SU = 20 pcs. / carton  
720 pcs. / palette



SU = 10 pcs. / carton  
630 pcs. / palette



SU = 20 pcs. / carton  
900 pcs. / palette



SU = 12 pcs. / carton  
1.152 pcs. / palette

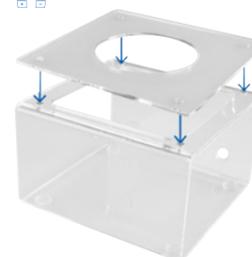
Description	Contents	Order number
AQUAPAK <sup>®</sup> 340	340 ml	① HSTW01-340
AQUAPAK <sup>®</sup> 650	650 ml	② HSTW01-650
AMSure <sup>®</sup> 350	350 ml	③ HSTW03-350
AMSure <sup>®</sup> 550	550 ml	④ HSTW03-550

## AEROp<sup>®</sup> – Holders for Bubble Humidifiers and Sterile Water Systems

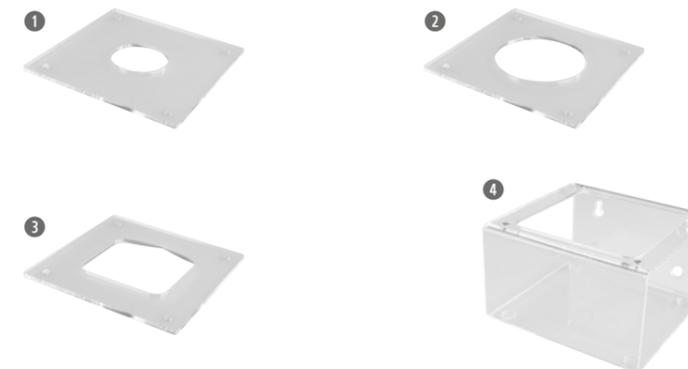
Accessories - Humidification

HOLDERS made of transparent acryl glass for bubble humidifiers or sterile water systems. Consisting of basic box, exchangeable template cover and additional eyelets for suspension.

### Magnetic mounting



Exemplary product presentation



Holders (basic box and template cover)	
Suitable for	Order number
AEROp <sup>®</sup> – Bubble Humidifier - AB1-916E	HSTW01-H-916E
AEROp <sup>®</sup> – Bubble Humidifier - AB1-916	HSTW01-H-916
Sterile water systems Aquapak <sup>®</sup> and AMSure <sup>®</sup>	HSTW01-H-GSU1
Einzelkomponenten	
Description	Order number
Template cover for AEROp <sup>®</sup> – Bubble Humidifier - AB1-916E	① HSTW01-H-S916E
Template cover for AEROp <sup>®</sup> – Bubble Humidifier - AB1-916	② HSTW01-H-S916
Template cover for sterile water systems Aquapak <sup>®</sup> and AMSure <sup>®</sup>	③ HSTW01-H-SGSU1
Basic box 13 x 8 x 13 cm (B x H x D)	④ HSTW01-H-BOX

Either as a set, consisting of a basic box and template cover, or available individually.



### AERObag® – Pocket Masks

Our pocket masks are each available in a robust hard shell case and can be created with your customer's logo, in addition to our standard range. Choose from 5 different colours!

### AERObag® – CPR Face Shields

Each CPR face shield is supplied in a practical 5 x 5 cm soft case and is made of nylon fabric with a key ring. The soft case is available in 14 different colours and your logo is attached per sewn-in label. Up to 4 printing colours are possible here.

### AEROfusion – One-Handed Tourniquet

With this customized tourniquet solution, you can choose from 10 colours. By printing your logo on the buckle, you have a specially manufactured version at your disposal.

### AERouse – Instant Cold Compress

You can design our instant cold compress completely freely if you wish. In addition to the customer logo, we bring your whole own design here. Feel free to share your ideas with us!

### AERObag® – Pocket Masks

Single-use resuscitation mask made of PVC for adults and children, supplied in a robust hard shell case. Anatomically shaped, well-sealing air-cushion mask with an elastic head strap for fixation of the mask to the patient's head. For optimal protection during rescue breathing, without direct contact between user and patient.



Addition to our standard range

Order Form

With individual customer logo and possible selection of 5 different colours!  
Delivery times and minimum order quantities: approx. 16 weeks | Per colour from 600 pcs.



Colour*		Order number
●	Green	HBM06-PMB-Y/KD
●	Light Blue	HBM06-PMB-O/KD
●	Orange	HBM06-PMB-W/KD
●	Red	HBM06-PMB-BLK/KD
○	White	HBM06-PMB-BLK/KD
Further colours upon request		

\*Due to the printing process, colour deviations are possible

### AERObag® – CPR Face Shields

Single use CPR face shield made of polyethylene (PE) for adults, consisting of user side's printed face cover and an integrated one-way valve. Supplied in a practical soft case 5 x 5 cm, made of nylon fabric and with a key ring. For easy and safe use in emergency situations.



Addition to our standard range

Order Form

With individual customer logo and possible selection of 14 different colours!  
Delivery times and minimum order quantities: 8 - 10 weeks | Each colour available as SU = 100 pcs.



Colour*		Order number
●	Blue	HBT01-V-S5x5-B/KD
●	Black	HBT01-V-S5x5-BLK/KD
○	White	HBT01-V-S5x5-W/KD
●	Light Green	HBT01-V-S5x5-LG/KD
●	Green	HBT01-V-S5x5-G/KD
●	Olive Green	HBT01-V-S5x5-OG/KD
●	Yellow	HBT01-V-S5x5-Y/KD
●	Golden Yellow	HBT01-V-S5x5-YG/KD
●	Orange	HBT01-V-S5x5-O/KD
●	Red	HBT01-V-S5x5-R/KD
●	Red Violet	HBT01-V-S5x5-RV/KD
●	Purple	HBT01-V-S5x5-P/KD
●	Heather Violet	HBT01-V-S5x5-VH/KD
●	Blue Purple	HBT01-V-S5x5-LB/KD

\*Due to the printing process, colour deviations are possible



## AEROfusion – One-Handed Tourniquet

Professional and patient-friendly tourniquet, suitable for adults and children. Customizable solution, convenient one-hand operation and can be decongested and released separately, thanks to the multifunctional closure.

### Ambulatory aid for

- Blood congestion
- Blood draw
- Infusion

### Easy handling

- Multifunctional closure for easy opening ② and loosening ①
- Fast one-hand operation without reaching round
- Easy to apply and safe decongestion
- Safely rolled up due to clamp closure ③
- With eyelet for hanging ④

### Patient-friendly and safe

- No pinching, clamping or bruising of the skin
- Skin-friendly and with an elasticity of 250 % very robust polyester strap
- Reliable hold thanks to stable safety closure
- Disinfectable and machine-washable up to



### Addition to our standard range Order Form

With individual customer logo and possible selection of 10 different colours!  
Delivery times and minimum order quantities: 12 - 16 weeks | Per colour from 500 pcs.

Colour*		Order number
	Blue	HVS01-25W/B-2.0/KD
	Green	HVS01-25W/G-2.0/KD
	Yellow	HVS01-25W/Y-2.0/KD
	Orange	HVS01-25W/O-2.0/KD
	Red	HVS01-25W/R-2.0/KD
	Black	HVS01-25W/BLK-2.0/KD
	Violet	HVS01-25W/V-2.0/KD
	White	HVS01-25W/W-2.0/KD
	Olive Green	HVS01-25W/OG-2.0/KD
	Heather Violet	HVS01-25W/P-2.0/KD

\*Due to the printing process, colour deviations are possible



## AERouse – Instant Cold Compress

For relieving pain and swelling from sprains, strains, contusions, minor burns and much more.

- Immediate intensive cold without pre-cooling
- Easy activation by compression
- Water and urea based
- Single use

### Fields of application

- Medical and rescue services
- Company medical kit acc. DIN 13157 | DIN 13169
- Free time and sports
- Private household



\*Logo and background can be customized, the texts remain unchanged.

### Addition to our standard range Order Form

With individual customer logo and possible in your own design!  
Delivery times and minimum order quantities: 12 - 16 weeks | From 10.000 pieces, plus printing costs

Materials	Colour	Dimensions (W x L)	Weight	Order number
Polyethylene (PE), Nylon	Blue / White	15 x 17 cm	approx. 155 g	HKP01-U-15x17/KD

### Important information for your order

- Logo formats: pdf, ai, eps
- Resolution at least 300 dpi
- Font size at least 7 pt
- No colour gradients, only full surface process or full tone colours (except for AERouse – Instant Cold Compress)
- Delivery times and minimum order quantities:
  - AERObag® – Pocket Masks: approx. 16 weeks | Per colour from 600 pcs.
  - AERObag® – CPR Face Shields: 8 - 10 weeks | Each colour available as SU = 100 pcs.
  - AEROfusion – One-Handed Tourniquet: 12 - 16 weeks | Per colour from 500 pcs.
  - AERouse – Instant Cold Compress: 12 - 16 weeks | From 10.000 pieces, plus printing costs

### If you have any questions, please contact us at any time!



By placing your order, you confirm that you authorise us to use the logo you have provided exclusively for the execution of this order. You assure that you are the owner of all necessary rights to the logo, or, in the case of third-party logos, that you hold the relevant usage rights. Should any third-party claims be made against us as a result of using the logo, you agree to indemnify us against all such claims.

#### Easy handling

1. Shake contents to bottom of bag.
2. Locate inner pouch. Squeeze firmly to rupture inner fluid pouch.
3. Shake briefly to mix contents.
4. Wrap in soft cloth and apply.

## About us

### HUM Gesellschaft für Homecare und Medizintechnik mbH

Our company history began in December 1995 and today's company **HUM Gesellschaft für Homecare und Medizintechnik mbH** was born from an idea and a clear concept.

The corporate concept was then as now very simple: "to offer high quality products at competitive prices" - everything with the primary corporate objective of "Customer Satisfaction". We constantly master changing market conditions as well as increasing customer requirements in the area of products and services by fulfilling the highest quality standards, in the sense of our Quality Management System according to EN ISO 13485:2016.

With our extensive range and the AERO own brands, we have become an established name in **Medical Technology**, both nationally and internationally, and a leading provider in the areas of Homecare, Emergency Medical Service, Hospital and Tactical.

We have also repositioned ourselves in **Textile Technology** since the collaboration in 2015 and the merger in 2024 with our former subsidiary RENOSTER. In addition to our own German-European production facilities in Bielefeld and Sf. Gheorge for our Emergency and Transport Cases & Co., we have also established ourselves as an OEM service provider and technology consultant for technical textile systems, in the areas of Industrial, Tactical and Lifestyle.

Following our slogans "**Systems for Life®**" and "**Textiles for Life®**", we are constantly developing our portfolio with innovative products and solutions from which the patient and user ultimately benefits the most. We are aware of our great responsibility!

Do you have a special request for which you do not have a solution? We are at your disposal at any time using the known contact details. Test us, we face every challenge!

**Our product portfolio now consists of 14 brands that cover specific medical and textile technology applications.**

/ERObag®

/EROpert®

/EROWay®

/EROtreat®

/EROTube®

/EROSuc®

/EROvent®

/EROuse

/EROcheck®

/ERORESC®

/EROCASE®

/EROPROTECTIVE®

/EROFUSION

/EROTEX®

**Our Brands**  
HUM's Brands: Competence with a Name



### Legal Notice

**Publisher**  
HUM Gesellschaft für Homecare und Medizintechnik mbH  
Zum Pier 79 | 44536 Lünen | Germany

FON +49 (0)231 880885-0  
FAX +49 (0)231 880885-58

E-Mail: [sales@hum-online.de](mailto:sales@hum-online.de)  
[www.hum-online.de](http://www.hum-online.de)

Visit us on our social media channels:



**Terms and Conditions**  
Our general terms and conditions apply to business transactions. You can view the current version of our terms and conditions at any time online at [www.hum-online.de](http://www.hum-online.de) or request them from us free of charge.

**Commercial Register**  
Dortmund HRB 17477

**Sales Tax Identification No.**  
DE 180373438

**CEO**  
Dietmar Uhlenbruch

**Release Date**  
July 2025



HUM Gesellschaft für Homecare und Medizintechnik mbH  
Zum Pier 79 | 44536 Lünen | Germany  
FON +49 (0)231 880885-0 | FAX +49 (0)231 880885-58  
E-Mail: sales@hum-online.de | www.hum-online.de



K-Gesamt\_EN



ID 4728041 Rev. 5.0 / 07.2025

Changes and errors reserved. Illustrations are approximate.  
© HUM Gesellschaft für Homecare und Medizintechnik mbH