

AEROp[®]part

Application Aids | Products for Humidification | Pressurised Gas Cylinders

Oxygen Therapy

Application safety and optimal patient comfort



HUM
Systems for Life[®]

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 ₂ med.							
Material	Volume	Content	Ø	Length	Weight	Item No.	
						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
	10.0 l	2000 l	140 mm	915 mm	15.90 kg	HFL11-10	HFL11-10-FÜLL
Aluminium	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 ₂							
Material	Volume	Content	Ø	Length	Weight	Item No.	
						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 ₂ E948							
Material	Volume	Content	Ø	Length	Weight	Item No.	
						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



Wholesale Permit
acc. Section 52a
AMG required!*

Filled pressurised gas cylinders or cylinder fillings with compressed air, nitrous oxide or carbon dioxide for medical purposes. Equipped with residual pressure valve (only CO₂), standardised connection threads according to DIN 477 and cylinder bodies made of steel.



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	Content	Ø	Length	Weight	Item No.	
						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 ₂ O							
Material	Volume	Content	Ø	Length	Weight	Item No.	
						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 ₂							
Material	Volume	Content	Ø	Length	Weight	Item No.	
						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

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AEROp[®] - Oxygen Cannulas

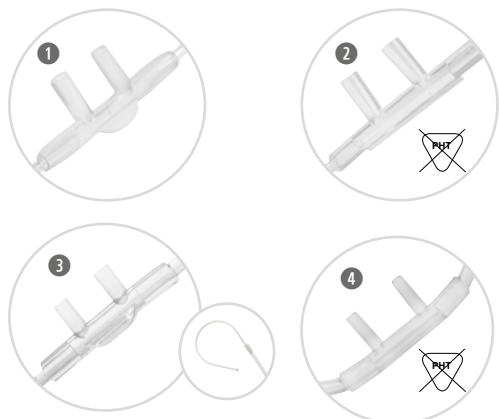
Oxygen nasal cannulas made of transparent PVC with kink-resistant oxygen safety tubing.

Different models according to:

- Patient group: Premature babies | Neonates | Babies | Infants | Children | Adults
- Nasal tips (cannulas): Straight  | Curved 
- Materials: "Soft" | "Supersoft" | and / or Phthalate-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





With ear pieces

NEW PRODUCT

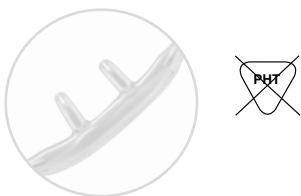
Oxygen cannulas with straight nasal tips, soft 			
Patient group	Tubing	Model	Item No.
Adults	0.33 m 	up to 6 l/min, standard	 HSB11-S-0.33
	2.00 m 		 HSB11-S
	5.00 m 		 HSB11-S5
Children	2.00 m 		 HSB11-S-K
Infants	2.00 m 	up to 3 l/min, standard	 HSB11-S-KK
Adults	2.10 m 	up to 6 l/min, standard 	 HSB01-S
	1.50 m 	up to 6 l/min, with ear pieces	 HSB01-B
	2,00 m 	up to 6 l/min, standard 	 HSB21-S




Nasal tips curved, soft



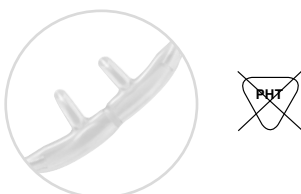
Oxygen cannulas with curved nasal tips, soft 			
Patient group	Tubing 	Model	Item No.
Adults	2.00 m	up to 6 l/min, standard	HSB12-S
Children			HSB12-S-K
Infants		up to 3 l/min, standard	HSB12-S-KK
Neonates / Babies			HSB12-S-NS






Nasal tips curved, super soft



Oxygen cannulas with curved nasal tips, supersoft  			
Patient group	Tubing 	Model	Item No.
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	Item No.
Adults	1.20 m 	up to 6 l/min Specifically developed for use with demand valves	HSB02-S-D1.2
	2.10 m 		HSB02-S-D
Children	2.10 m 		HSB02-S-K-D

Divided nasal tips for patient monitoring and oxygen application

Nasal tips **curved, funnel-shaped**

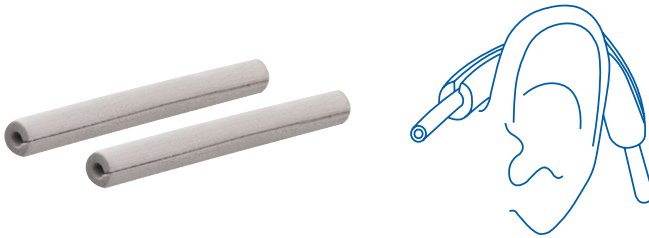


Oxygen cannulas with curved nasal tips, funnel-shaped		
Patient group	Tubing	Item No.
Adults	2.10 m	① HSB04-S-F
		② HSB03-S

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	Item No.
1 pair	HSB02-EZW

AEROp^{art}® - 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 ④
- With reservoir bag and kink-resistant oxygen safety tubing ② ⑤
- Without reservoir bag and without tubing ③
- Phthalate-free ④ ⑤ 



2 m O₂ tubing 





2 m O₂ tubing and reservoir bag 








Without tubing  



2.1 m O₂ tubing  



2,1 m O₂ tubing with reservoir bag  

Patient group	Item No.
Adults	① HSM11-E
	② HSM11-EB
	③ HSM11-EOS
	④ HSM01-E 
	⑤ HSM01-EB 
Children	① HSM11-K
	② HSM11-KB
	③ HSM11-KOS
	④ HSM01-K 

AEROp[®] - 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 m O₂ tubing 

Patient group	Item No.
Adults	HAI11-E
Children	HAI11-K

AEROp[®] - Oxygen Safety Tubings

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



Safety tubing with star lumen 

Length	Item No.
0.33 m	HSS11-0.33
2.00 m	HSS11-2
2.10 m	-
3.00 m	HSS11-3
7.50 m	HSS11-7.5
10.00 m	HSS11-10
15.00 m	HSS11-15

Safety tubing with star lumen  | Phthalate-free 

Length	Item No.
0.33 m	HSS01-0.33
2.00 m	-
2.10 m	HSS01-2.1
3.00 m	-
7.50 m	HSS01-7.5
10.00 m	HSS01-10
15.00 m	HSS01-15

AEROp[®]art - Barbed Hose Adapters

Rotatable or rigid barbed hose adapters, [for 6 mm tubings](#).

Moveable barbed hose adapter UNF 9/16" internal thread ❶ | Angled barbed hose adapter 90° UNF 9/16" external thread ❷



Model	Material	Type	Item No.
Barbed hose adapter	Polyoxymethylene (POM)	straight, rotatable, green	❶ HSA02-6G
Angled barbed hose adapter	Polybutylene terephthalate (PBT)	90°, rigid, white	❷ HSA02-6-WA

Firesafe™ - Barbed Hose Adapter and Cannula Valve

Thermal protections with integrated one-way valve, interrupt the O₂ flow if the downstream tubing ignites, [for 6 mm tubings](#).

Barbed hose adapter UNF 9/16" internal thread ❶ | Cannula valve MKII, bidirectional design ❷



Model	Type	Item No.
Barbed hose adapter	straight, rotatable, green	❶ HSA03-6-FS
Cannula valve MKII	90°, rigid, white	❷ HSV03-6-FS

AEROp[®]art - Tubing Connectors

Tubing connectors rigid or straight, rotatable, straight as well as T-shape, [for 6 mm tubings](#).



Model	Item No.
Straight, rigid, white	❶ HSV01-6
Straight, 360° rotatable, white	❷ HSV01-6D
T-shape, rigid, white	❸ HSV01-6-T

AEROp[®]art - 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)	Item No.
approx. 29 x 29 x 188 mm*	HWF11

*Including screw caps

AEROp^{art}® - Bubble Humidifiers

Bubble humidifiers for use in oxygen therapy. Different capacities | Connection nut UNF 9/16" or G 3/8"
For single use ❶ - ❸ or reusable ❹, ❺ | For "high flow" applications ❸

Single Use



up to 3 l/min



up to 6 l/min



6 - 15 l/min „high flow“

Reusable



up to 15 l/min

Maximum volume	Total volume	Performance / Flow	Inlet connection	Safety valve	Item No.
125 ml	-	up to 3 l/min	Connecton nut with internal thread UNF 9/16"	207 mbar	❶ HAB01-916E
250 ml	-	up to 6 l/min		410 mbar	❷ HAB01-916
300 ml	350 ml	up to 6 - 15 l/min (high flow)		410 mbar	❸ HAB01-916HF
160 ml	250 ml	up to 15 l/min	Connecton nut with internal thread G 3/8"	-	❹ HAB02-38
			Connecton nut with internal thread UNF 9/16"	-	❺ HAB02-916

Spare Part for Reusable Bubble Humidifiers

Diffusor



Item No.

HAB02-DIF

AEROp^{art}® - Sterile Water

Sterile water bottles 1000 ml, pyrogen-free. For humidification during ventilation ❶ | Inhalation ❷
Can also be used as a rinsing and cleaning fluid for surgical interventions, stoma care, for wounds, burns and much more.

❶ Fully collapsible container for a ventilation-free application. With suspension at the bottom of the bottle and two sterile injection sites for connecting an auto-feed system with injection thorn.



❷ Container with screw cap for manual filling of bubble humidifiers



Model	Content	Item No.
Container with 2 sterile injection sites, suspension at the bottom of the bottle	1000 ml	❶ HSTW03-1000FLDG
Container with screw cap		❷ 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.

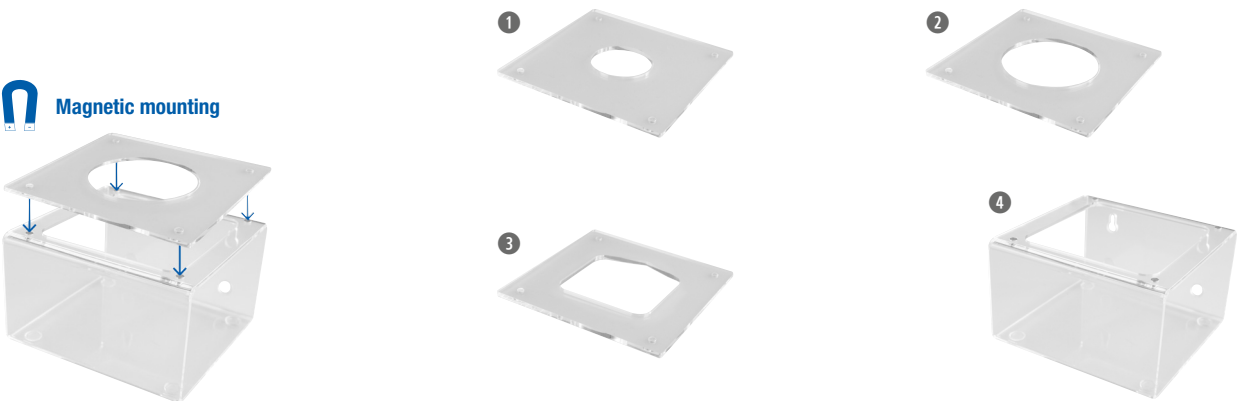


Description	Item No.
AQUAPAK® 340	① HSTW01-340
AQUAPAK® 650	② HSTW01-650
AMSure® 350	③ HSTW03-350
AMSure® 550	④ HSTW03-550

AEROpart® - 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.



Exemplary
product presentation

Holders (basic box and template cover)	
Suitable for	Item No.
AEROpart® - Bubble Humidifier - AB1-916E	HSTW01-H-916E
AEROpart® - Bubble Humidifier - AB1-916	HSTW01-H-916
Sterile water systems Aquapak and AMSure®	HSTW01-H-GSU1
Single components	
Description	Item No.
Template cover for AEROpart® - Bubble Humidifier - AB1-916E	① HSTW01-H-S916E
Template cover for AEROpart® - Bubble Humidifier - AB1-916	② HSTW01-H-S916
Template cover for sterile water systems Aquapak and AMSure®	③ HSTW01-H-SGSU1
Basic box 13 x 13 x 8 cm (B x D x H)	④ HSTW01-H-BOX

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



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