

Pressure Reducers | Flow Regulators | Flowmeters | Inhalation Systems

Gas Supply as well as Aerosol Therapy

Precision and reliability for an optimal treatment





AEROway® - Fine-ZGA | Flowmeters 🔤 🛍



9 Flow continuously adjustable

Retaining plate for insertion

in wall rail claw

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 (O2) I With colour-neutral labelling (O2) I 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 Item No.

| | | | | | | 1101 | 11 110. | |
|-----|-----------|-----------|-----------|------------|------------|-----------------|---------------------|--|
| | | | | | Connection | | | |
| | | | 021 | flow | | Pressure tubing | | |
| | | 1.5 I/min | 5.0 l/min | 15.0 l/min | 30.0 l/min | ZGA plug | 1.5 m with ZGA plug | |
| | ъ | • | | | | HDM00-1.5F-ZGA | HDM00-1.5FS-ZGA | |
| 02 | Standard | | 0 | | | HDM00-5F-ZGA | HDM00-5FS-ZGA | |
| 0 | | | | 0 | | HDM00-15F-ZGA | HDM00-15FS-ZGA | |
| | 0 | | | | 0 | HDM00-30F-ZGA | HDM00-30FS-ZGA | |
| 02 | O Neutral | | | • | | HDM00N-15F-ZGA | HDM00N-15FS-ZGA | |
| | ъ | 0 | | | | HDM04-1.5F-ZGA | HDM04-1.5FS-ZGA | |
| AIR | Standard | | 0 | | | HDM04-5F-ZGA | HDM04-5FS-ZGA | |
| ₹ | | | | 0 | | HDM04-15F-ZGA | HDM04-15FS-ZGA | |
| | 0 | | | | 0 | HDM04-30F-ZGA | HDM04-30FS-ZGA | |

Other tubing lengths available upon request

AEROway® - 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 (O2) I With colour-neutral labelling (O2) I 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













Double Flowmeters Item No.

| 3 | AIR - Standa | ırd | | |
|-------|--------------|-----|---|--|
| (AIR) | 40- 1 | AR. | 415- 410- 410- 44- 44- 43- 43- 41- 41- 41- 41- 41- 41- 41- 41- 41- 41 | |
| | | | | |

| | | | | | Connection | | |
|-----|-----------|-----------|-----------|------------|------------|-----------------|------------------|
| | | | 02 | flow | | 7CA plug | Pressure tubing |
| | | 1.5 l/min | 5.0 l/min | 15.0 l/min | 30.0 I/min | ZGA plug | ZGA plug |
| | Þ | 0 | | | | HDM00-1.5F2-ZGA | HDM00-1.5F2S-ZGA |
| 02 | Standard | | 0 | | | HDM00-5F2-ZGA | HDM00-5F2S-ZGA |
| 0 | | | | Ø | | HDM00-15F2-ZGA | HDM00-15F2S-ZGA |
| | • | | | | 0 | HDM00-30F2-ZGA | HDM00-30F2S-ZGA |
| 02 | 2 Neutral | | | 0 | | HDM00N-15F2-ZGA | - |
| | ъ | 0 | | | | HDM04-1.5F2-ZGA | HDM04-1.5F2S-ZGA |
| Ж | Standard | | 0 | | | HDM04-5F2-ZGA | HDM04-5F2S-ZGA |
| AIR | B Sta | | | 0 | | HDM04-15F2-ZGA | HDM04-15F2S-ZGA |
| | • | | | | 0 | HDM04-30F2-ZGA | HDM04-30F2S-ZGA |

AEROway® - Fine | Pressure Reducers | 1





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 - 02

| 11000010110000000 | | | | | | |
|---------------------|-----------|--|--|--|--|--|
| O ₂ flow | Item No. | | | | | |
| 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 | | | | | |



O₂ - Colour-neutral labelling

Pressure Reducers - 0₂ | With colour-neutral labelling

| O ₂ flow | Item No. | | |
|---------------------|-----------|--|--|
| 15.0 l/min | HDM00N-15 | | |

AEROway® - Fast | Pressure Reducers | 🗘 🛍





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" (02) | 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 (O2) | With colour-neutral labelling (O2) | Compressed air (AIR)
- Additional outlets: Ventilation | Suction | DIN coupling 13260

For portable and mobile oxygen devices





High pressure hand connection

9 Flow gradually adjustable

UNF 9/16" Barbed hose adapter 6 mm

Pressure Reducers - 0₂

| 0 ₂ flow Flow increments | Item No. |
|---|----------|
| 1 I/min 0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1,0 I/min | HDM01-1 |
| 5 I/min 0 - 0.5 - 0.8 - 1- 1.5 - 2 - 2.5 - 3 - 4 - 5 I/min | HDM01-5 |
| 15 I/min 0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 I/min | HDM01-15 |
| 25 I/min 0 - 0.5 - 1 - 2 - 3 - 4 - 6 - 8 - 15 - 25 I/min | HDM01-25 |
| 50 I/min 0 - 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 50 I/min | HDM01-50 |

Continuous flow also between 2 flow increments

Pressure Reducers with Additional Outlets









Outlet DIN coupling 4.5 bar | 120 l/min



Pressure Reducers - 0₂

| 0 ₂ flow Flow increments | Additiona | Item No. | |
|---|--|--|-----------------------|
| 5 I/min 0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 I/min | DIN co 4.5 bar | upling 150 l/min | ● HDM01-5-PS |
| | DIN co 4.5 bar | upling 150 l/min | 1 HDM01-15-PS |
| | Venti 15 l/m | ② HDM01-15-B | |
| 15 l/min 0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 l/min | Suction adjustable o | injector pen / closed | 3 HDM01-15-V |
| | Suction injector adjustable open / closed | DIN coupling 4.5 bar 120 l/min | 4 HDM01-15-PSV |
| | Ventilation 15 l/min. fixed | DIN coupling 4.5 bar 120 l/min | 5 HDM01-15-PSB |



O₂ - Colour-neutral labelling AIR - Standard

Pressure Reducers - 0₂ | With colour-neutral labelling

| 0 ₂ flow Flow increments | Inlet | Outlet | Item No. |
|--|--------|-----------------------|-------------------|
| 5 l/min 0 - 0.5 - 0.8 - 1- 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min | G 3/4" | UNF 9/16" and adapter | 6 HDM01N-5 |

Pressure Reducers - AIR

| O ₂ flow Flow increments | Inlet | Outlet | Item No. |
|--|--------|-----------------------|-------------------|
| 15 I/min 0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 I/min | G 5/8" | UNF 9/16" and adapter | 6 HDM04-15 |

AEROway® - 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

High pressure hand connection G 3/4"





Dial head with two displays (lateral and frontal)

UNF 9/16" Barbed hose adapter 4 - 6 mm







Pressure Reducers | With right or left connection

| | Additional outlets | O ₂ flow Flo | ow increment | s | | 1 I/min 0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 I/min 5 I/min 0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 I/min 15 I/min 0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 I/min 25 I/min 0 - 0.5 - 1 - 2 - 3 - 4 - 6 - 8 - 15 - 25 I/min | | | |
|-----|--------------------|---------------------------|--------------|----------|----------|--|------------------------|-----------------|--|
| | ddit | | 02 | flow | | | Item No. | | |
| | 0 | 1 I/min | 5 I/min | 15 l/min | 25 l/min | Additional outlets | Right connection | Left connection | |
| | Without | 0 | | | | | 1 HDM01-1-KR | ② HDM01-1-KL | |
| | | | 0 | | | | ● HDM01-5-KR | ② HDM01-5-KL | |
| | | | | 0 | | | ● HDM01-15-KR | ② HDM01-15-KL | |
| | | | | | 0 | | ● HDM01-25-KR | ② HDM01-25-KL | |
| 200 | | 0 | | | | | 3 HDM01-1-KRPS | HDM01-1-KLPS | |
| 1 | Outlets | | | 0 | | DIN coupling 4.5 bar 150 l/min | 3 HDM01-15-KRPS | HDM01-15-KLPS | |
| | lal 0 | | | | 0 | 4.0 501 100 1/11111 | 3 HDM01-25-KRPS | HDM01-25-KLPS | |
| | Additional | | | 0 | | 2 x DIN coupling 4.5 bar 150 l/min | 4 HDM01-15-KRPS2 | HDM01-15-KLPS2 | |
| | + | | | 0 | | G 3/8" 5.0 bar 110 l/min | 6 HDM01-15-KRSA | HDM01-15-KLSA | |



9 Flow gradually adjustable

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 (0₂) | With colour-neutral labelling (0₂) | 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





Retaining plate for insertion in wall rail claw





Versions with pressure tubing including wall rail claw HWS01-KLEK

Single Flow Regulators

0₂ I Flow increments

1 I/min I 0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 I/min **5 I/min I** 0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 I/min **15 I/min I** 0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 I/min **25 I/min I** 0 - 0.5 - 1 - 2 - 3 - 4 - 6 - 8 - 15 - 25 I/min **50 I/min I** 0 - 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 50 I/min

| | | | 0 | Item No. Connection | | | | |
|-----|----------|---------|----------|---------------------|----------|----------|---------------|-------------------------------------|
| | | | U | | | | | |
| | | 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 | HDM01-1S-ZGA |
| | lard | | 0 | | | | HDM01-5-ZGA | HDM01-5S-ZGA |
| 02 | Standard | | | 0 | | | HDM01-15-ZGA | HDM01-15S-ZGA |
| | 9 | | | | 0 | | HDM01-25-ZGA | HDM01-25S-ZGA |
| | | | | | | Ø | HDM01-50-ZGA | HDM01-50S-ZGA |
| 05 | Neutral | | | Ø | | | HDM01N-15-ZGA | - |
| | | Ø | | | | | HDM04-1-ZGA | HDM04-1S-ZGA |
| | lard | | Ø | | | | HDM04-5-ZGA | HDM04-5S-ZGA |
| AIR | Standard | | | 0 | | | HDM04-15-ZGA | HDM04-15S-ZGA |
| | 8 | | | | 0 | | HDM04-25-ZGA | HDM04-25S-ZGA |
| | | | | | | 0 | HDM04-50-ZGA | HDM04-50S-ZGA |

Continuous flow also between 2 flow increments

1 0₂ - Standard



(lateral and frontal)

2 O₂ - Colour-neutral labelling AIR - Standard



AEROway® - 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 (O2) I With colour-neutral labelling (O2) I 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

0₂ I Flow increments

1 I/min I 0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 0.6 - 0.7 - 0.8 - 1.0 I/min **5 l/min l** 0 - 0.5 - 0.8 - 1 - 1.5 - 2 - 2.5 - 3 - 4 - 5 l/min **15 I/min I** 0 - 1 - 2 - 3 - 4 - 5 - 6 - 9 - 12 - 15 I/min **25 I/min I** 0 - 0.5 - 1 - 2 - 3 - 4 - 6 - 8 - 15 - 25 I/min **50 I/min I** 0 - 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 50 I/min

| O ₂ flow | | | | | | | Item No. | | |
|---------------------|----------|----------|---------|----------|------------|----------|-----------------|-------------------------------------|--|
| | | | U | 2 IIOW | Connection | | | | |
| | | 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 | |
| | | Ø | | | | | HDM01-1X2-ZGA | HDM01-1X2S-ZGA | |
| | lard | | 0 | | | | HDM01-5X2-ZGA | HDM01-5X2S-ZGA | |
| 02 | Standard | | | 0 | | | HDM01-15X2-ZGA | HDM01-15X2S-ZGA | |
| | 0 | | | | 0 | | HDM01-25X2-ZGA | HDM01-25X2S-ZGA | |
| | | | | | | 0 | HDM01-50X2-ZGA | HDM01-50X2S-ZGA | |
| 02 | Neutral | | | Ø | | | HDM01N-15X2-ZGA | - | |
| | | 0 | | | | | HDM04-1X2-ZGA | HDM04-1X2S-ZGA | |
| | ard | | 0 | | | | HDM04-5X2-ZGA | HDM04-5X2S-ZGA | |
| AIR | Standard | | | 0 | | | HDM04-15X2-ZGA | HDM04-15X2S-ZGA | |
| | © | | | | 0 | | HDM04-25X2-ZGA | HDM04-25X2S-ZGA | |
| | | | | | | 0 | HDM04-50X2-ZGA | HDM04-50X2S-ZGA | |

Continuous flow also between 2 flow increments

1 0₂ - Standard



(lateral and frontal)





AEROway® - Fast® ZGA | Flow Regulators 🖴 🕮

9 Flow gradually adjustable

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 (0₂) | With colour-neutral labelling (0₂) | 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





 \bigcirc 0₂ - Standard



AIR - Standard





Versions with pressure tubing including wall rail claw HWS01-KLEK

Single Flow Regulators

| 0 ₂ flow Flow increments | | | 5 I/min I 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 I/min 15 I/min I 0 - 0.5 - 1 - 1.5 - 2 - 2.5 - 3 - 3.5 - 4 - 5 - 6 - 7 - 8 - 9 - 12 - 15 I/min | | |
|---------------------------------------|----------|---------------------|--|---------------|----------------|
| | | O ₂ flow | | Iten | 1 No. |
| | | U ₂ How | | Conn | ection |
| 5 I/min 15 I/min ZGA plug | | ZGA plug | Pressure tubing 1.5 m with ZGA plug | | |
| 21 | Standard | 0 | | HDM01-5R-ZGA | HDM01-5RS-ZGA |
| 05 | O Sta | | Ø | HDM01-15R-ZGA | HDM01-15RS-ZGA |
| AIR | Standard | 0 | | HDM04-5R-ZGA | HDM04-5RS-ZGA |
| A | Sta | | Ø | HDM04-15R-ZGA | HDM04-15RS-ZGA |

AEROway® - Fast® 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 (0₂) | With colour-neutral labelling (0₂) | 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



Versions with pressure tubing including wall rail claw HWS01-KLEK







Double Flow Regulators

| 0 ₂ f | low | | 5 l/min l 0 - 0.1 - 0.2 - 0.3 - 0.4 - 0.5 - 15 l/min l 0 - 0.5 - 1 - 1.5 - 2 - 2.5 - 3 - 3 | , | |
|------------------|----------|--------------------|--|-----------------|-------------------------------------|
| | O₂ flow | | | Item No. | |
| | | O ₂ now | | Connection | |
| | | 5 l/min | 15 l/min | ZGA plug | Pressure tubing 1.5 m with ZGA plug |
| 02 | Standard | Ø | | HDM01-5RX2-ZGA | HDM01-5RX2S-ZGA |
| 0 | • Sta | | Ø | HDM01-15RX2-ZGA | HDM01-15RX2S-ZGA |
| æ | Standard | Ø | | HDM04-5RX2-ZGA | HDM04-5RX2S-ZGA |
| A | Sta | | • | HDM04-15RX2-ZGA | HDM04-15RX2S-ZGA |

AEROway® - Fix I | Pressure Reducers 🖴 🛍





Compact pressure reducers according to DIN EN ISO 10524-1, for emergency medicine.

- · With fixed 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 1.6 bar

For emergency medicine

High pressure hand connection G 3/4"



UNF 9/16" Barbed hose adapter 6 mm

- · Robust body made of nickel-plated brass
- Shock-protected cylinder content manometer
- · Integrated safety valve and inlet filter

Pressure Reducers Fix I

| O ₂ flow | Item No. | |
|---------------------|-------------|--|
| 2 I/min | HDM03-1.6/2 | |
| 4 I/min | HDM03-4 | |
| 5 I/min | HDM03-1.6/5 | |
| 6 I/min | HDM03-6 | |
| 8 I/min | HDM03-8 | |
| 10 I/min | HDM03-10 | |

AEROway® - 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" (O₂) G 5/8" (AIR)

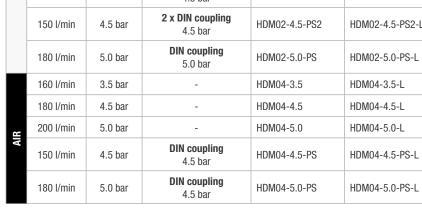
G 3/8"

Pressure Reducers Fix II

Item No.

| Outlet DIN coupling |
|--|
| Accept Ac |
| G 3/8" |

| | | | 1101111101 | | |
|-------|---------------------|----------|------------------------------------|------------------|-----------------|
| | 0 ₂ flow | Pressure | Additional outlets | Right connection | Left connection |
| | 160 l/min | 3.5 bar | - | HDM02-3.5 | HDM02-3.5-L |
| 0_2 | 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 |
| | 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 |
| В | 200 l/min | 5.0 bar | - | HDM04-5.0 | HDM04-5.0-L |
| AIR | 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 |



AEROway® - Spare Parts for Pressure Reducers 🧐 🝱 🖴





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

| Description | Item No. |
|---|---------------|
| O-ring / sealing for connecting bolts, high pressure connection G 3/4" | 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 | ■ HDM01-MR-SK |
| Manometer protective cap grey, Ø 40 mm, E: below | 4 HDM01-MU-SK |









AEROway® - Maintenances 🧐 🖴 🖴





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 | Item No. |
|---|----------------------|
| AEROway® - Fix II Pressure Reducers (O ₂) | HRP01-DM02-STK |
| AEROway® - Fix I Pressure Reducers (0 ₂) | HRP01-DM03-STK |
| AEROway® - Fix II Pressure Reducers (AIR) | HRP01-DM04-FIXII-STK |
| AEROway® - Fast Pressure Reducers (AIR) | HRP01-DM04-STK |
| AEROway® - Fast Flow Regulator (AIR) | HRP01-DM04-ZGA-STK |

| Device every 5 years | Item No. |
|---|--------------------|
| AEROway® - Fine - Pressure Reducers (0 ₂) | HRP01-DM00-STK |
| AEROway® - Fine - Flowmeters (0 ₂) | HRP01-DM00-ZGA-STK |
| AEROway® - Fast - Pressure Reducers (0 ₂) | HRP01-DM01-STK |
| AEROway® - Fast - Flow Regulators (0 ₂) | HRP01-DM01-ZGA-STK |

AEROway® - 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.













| IIIIeau | i (type) | Item No. | |
|---------------|-------------|----------------|--|
| from internal | to external | item no. | |
| 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 | |





Exemplary product presentations

| Threa | Item No. | | | |
|---------------|-------------|---------------|--|--|
| from external | to external | item No. | | |
| M10x1 | UNF 9/16" | HAD02-101916 | | |
| M32x1.5 | UNF 9/16" | HAD02-3215916 | | |
| M34x1.5 | UNF 9/16" | HAD02-3415916 | | |

AEROway® - 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.



| Tuno | Inlet thread | | Manus Na |
|--------------------|-----------------|-----------------|---------------------|
| Туре | Internal thread | External thread | Item No. |
| | G 3/8" | | 1 HSA01-6 |
| Straight- | UNF 9/16" | | 2 HSA04-6 |
| rigid | | UNF 9/16" | 3 HSA04-6-A |
| | M12x1.25 | | 4 HSA05-6 |
| | G 3/8" | | 5 HSA01-6-B |
| Straight- | UNF 9/16" | | 6 HSA04-6-B |
| movable | | M12x1 | 1 HSA06-6-BA |
| | | M14x1 | 8 HSA07-6-BA |
| Angled- movable | G 3/8" | | 9 HSA01-6-BW |

AEROway® - Blind Caps 🥸 🖴 🛍



Blind caps with sealing, chrome-plated $oldsymbol{0}$ or nickel-plated $oldsymbol{0}$.





| Internal thread | Item No. |
|-----------------|-------------------|
| G 3/8" | HSA01-BV |
| UNF 9/16" | ② HSA04-BV |

AEROway® - Couplings DIN 13260 🖴 🛍

Couplings DIN 13260 for O_2 and AIR. For ZGA plugs, inlet G 3/8", external thread with sealing. Sealing also separately available as a spare part.







| Gas type | Item No. |
|---|-----------------------|
| 02 | ● HVK02-02-F |
| AIR | HVK02-AIR-F |
| Sealing ring for DIN couplings with connection G 3/8" | 3 HDM01-AA0-38 |

AEROway® - Y-Couplings DIN 13260 🔤 🕮

Y-couplings DIN 13260 for $\rm O_2$ and AIR. Inlet ZGA plug, 2 outlets DIN couplings for ZGA plugs.





| Gas type | Item No. |
|----------|----------------|
| 02 | ● HVK02-02-F2 |
| AIR | ● HVK02-AIR-F2 |

AEROway® - Plugs DIN 13260 🔤 🛅

ZGA plugs DIN 13260 for $\rm O_2$, AIR, VAC, $\rm N_2O$, $\rm 90^\circ$ angle, inlet ZGA plug, outlet for 6 mm tubings.













| Gas type | Item No. |
|---|-----------------------|
| 02 | ● HVK02-02-MW |
| 0 ₂ (colour-neutral labelling) | ② HVK02N-02-MW |
| 0 ₂ and AIR | 3 HVK02-02/AIR-MW |
| AIR | 4 HVK02-AIR-MW |
| VAC | 3 HVK02-VAC-MW |
| N_2O | 6 HVK02-N20-MW |

AEROway® - NIST Connection Pieces for Screw Threads 🔤 🛍

NIST connection pieces for O₂, AIR, VAC for NIST sealing coupling, straight, outlet for 6 mm tubings.









| Gasart | Artikelnummer |
|--------|---------------|
| 02 | ● HVK05-02-M |
| AIR | HVK05-AIR-M |
| VAC | 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 Item No. | |
|---------------|------------------------|--------------------------------|
| Coupling | G 1/8" external thread | ● HVK01-K-418 |
| Coupling | G 3/8" internal thread | ② HVK01-K-438 |
| Plug straight | 6 mm tubing | 3 HVK01-N-4G Discontinued item |

AEROway® - 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 | Item No. |
|---|--|------------------|
| 2 x G 3/8" external thread | Quick coupling Type Walther (LP004) | ● HVT01-38AA/VK1 |
| G 3/8" external thread G 3/8" internal thread | O ₂ coupling acc. DIN 13260 | ● HVT01-38IA/VK2 |

AEROway® - Distribution Bars | For Wall Mounting | 🖴 🛍



Distribution bars / outlet points for oxygen (02) 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 I/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











DIN coupling



| | | Outlet | | |
|-------------|------------|----------|--------------|------------------------|
| No. Outlets | Connection | 15 l/min | DIN coupling | Item No. |
| | LINE 0/16" | 1 x | - | ● HVL01-15-SA |
| 1 | UNF 9/16" | - | 4 | HVL01-PS-SA |
| | G 1/8" | - | 1 x | HVL01-PS-SA-KL |
| | | 2 x | - | ❸ HVL01-15X2-SA |
| 2 | UNF 9/16" | - | 2 x | 4 HVL01-PS2-SA |
| | | 1 x | 1 x | 6 HVL01-15PS-SA |
| 4 | UNF 9/16" | 4 x | - | ⑤ HVL01-15X4-SA |

AEROway® - Distribution Bars | For Wall Mounting - With Rail Claw 🔤 🞰





Wall Rail Mounting

Distribution bars / outlet points for oxygen (02). 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 | Item No. | |
|-------------|---------------|-----------------------|--|
| | 1.5 m | HVL01-PSS-ZGA | |
| 1x | 2.0 m | HVL01-PSS/2000-ZGA | |
| | 3.0 m | ● HVL01-PSS/3000-ZGA | |
| 2x | 1.5 m | ② HVL01-PS2S-ZGA | |
| 0 | 1.5 m | 3 HVL01-PS3S-ZGA | |
| 3x | 5.0 m | 3 HVL01-PS3S/5000-ZGA | |



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 | Item No. | |
|-------------|---------------|------------------|--|
| 1x | | HVL04-PSS-ZGA | |
| 2x | 1.5 m | 2 HVL04-PS2S-ZGA | |
| 3x | | 3 HVL04-PS3S-ZGA | |





AEROway® - Pressure Tubings 🖴 🛍



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

Different thread types











| Pressure Tubings | | | |
|--|-----------|---------------------|--|
| Gas type Colour | Item No. | | |
| 0 ₂ White | 6 / 12 mm | 1 HDS02-6/12 | |
| AIR Black-White | 6 / 12 mm | ② HDS03-6/12 | |
| Neutral Black (O ₂ AIR N ₂ O VAC) | 6 / 12 mm | 3 HDS04-6/12 | |
| N ₂ O Blue | 6 / 12 mm | 4 HDS05-6/12 | |
| Vac Yellow | 6 / 12 mm | 5 HDS06-6/12 | |

Air Liquide 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

Accessories and Spare Parts 💇 🗈



| Description | |
|---|---------------|
| Air Liquide - Soffio Cube Inhalation Device Scope of supply consisting of 1 - 2, plus storage bag 1 | 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 |



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

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

















| Description | Item No. |
|--|----------------------|
| Air Liquide - Nebula Compressor Inhalation Device Scope of supply consisting of • • , 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 | ● 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

Offic Liquide 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





Air Liquide Rinowash I 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.

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.

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. 1









| Description | Item No. |
|--|---------------|
| AIR Liquide - Rinowash nebulizer nasal douche | 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 |





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