

redfamily.



redox.



DRIVEN BY A PASSION FOR INNOVATION

Years of experience in the manufacture and distribution of medical devices form a solid foundation for success. Our experienced specialists are experts in the industry and have the knowledge to consistently deliver top-quality services. An important component of hestomed's services is expert advice - this plays a critical role in the medical industry.

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redox.



DYNAMICALLY
CRASH-TESTED
TO EN 1789

OXYGEN TECHNOLOGY FOR EMERGENCY MEDICINE

SPOILT FOR CHOICE

With our pressure regulators, you can choose from more than 200 possible combinations and thus configure a pressure regulator that is precisely tailored to your needs. The products shown here are just a few examples of standard variants.

WHY PERFORMANCE MATTERS

Rescue services are increasingly using ventilators which, in addition to conventional ventilation, also enable current respiratory therapies such as CPAP with mask (NIV). These respiratory therapies require a high delivery rate (flow) from the ventilator, which, in turn, requires an adequate gas supply.

If the ventilator is operated via the vehicle's O₂ system, it must be taken into account that there are up to 10 metres of hose line between the pressure regulator on the 10-litre cylinder and the ventilator, which causes a considerable loss of pressure. The pressure regulator must compensate for this pressure loss with a correspondingly high delivery rate in order to ensure an adequate supply to the patient.

SERVICING

Pressure regulators are safety-relevant medical devices that pose considerable risks to users and patients if handled incorrectly or if maintenance is neglected. Nevertheless, pressure regulators are often treated with less priority and not with the necessary care, which has repeatedly led to serious incidents. Therefore, pay particular attention to compliance with the inspection and maintenance intervals specified by the manufacturer and follow the rules for handling pressure regulators and compressed oxygen!



redox.

THE PRESSURE YOU NEED!

„redox“ is our product range when it comes to regulating the pressure and flow of medical gases in emergency medicine. For over 15 years, we have been developing and manufacturing O2 supply systems and switchover systems for emergency vehicles, pressure regulators, compact flow meters and hose lines, all exclusively designed and specifically tailored to the requirements of the rescue services.



REDOX VARIUS COMPACT PRESSURE REGULATOR

A HIGH-QUALITY AND EXCEPTIONALLY ROBUST COMPACT PRESSURE REGULATOR WITH A FLOW METER, DESIGNED SPECIFICALLY FOR EMERGENCY MEDICINE.

Maintenance interval: 5 years Gas type: O₂
 Inlet: hand-tight connection, short type (DIN 477)
 Flow rate adjustable in steps: 0, 0.5, 1, 1.5, 2, 3, 4, 6, 8, 12, 15 l/min
 Inlet pressure: max. 200 bar
 Outlet pressure: fixed at 4.5 bar
 Nominal flow rate at 20 bar inlet pressure: 100 l/min
 Nominal flow rate at 100 bar inlet pressure: 200 l/min
 Nominal flow rate at 200 bar inlet pressure: > 200 l/min
 Pressure gauge: horizontal, flat
 Outlet on the left of the flow nozzle: blanking plug
 Flow nozzle outlet: nozzle at 6 o'clock
 Outlet on the right of the flow nozzle: blanking plug

ORDER NO.	PU
RV45-081D-11T611	1 unit



REDOX VARIUS COMPACT PRESSURE REGULATOR

FEATURES AS SHOWN ON THE LEFT; HOWEVER:

Outlet on the left of the flow nozzle: DIN coupling socket
 Outlet from the flow meter: nozzle at 12 o'clock
 Outlet on the right of the flow nozzle: blanking plug

ORDER NO.	PU
RV45-081D-D6T1211	1 unit



REDOX BASIS COMPACT PRESSURE REGULATOR

HIGH-QUALITY AND EXTREMELY ROBUST COMPACT PRESSURE REDUCER WITH FLOW METER AND UP TO THREE OUTLETS, DESIGNED SPECIFICALLY FOR EMERGENCY MEDICINE

Maintenance interval: 5 years Gas type: O₂
 Inlet: hand-tight connection, short type (DIN 477)
 Inlet pressure: max. 200 bar
 Outlet pressure: fixed at 4.5 bar
 Nominal flow rate at 20 bar inlet pressure: 100 l/min
 Nominal flow rate at 100 bar inlet pressure: 200 l/min
 Nominal flow rate at 200 bar inlet pressure: > 200 l/min
 Pressure gauge: vertical, oriented to the right
 Outlet on the left: blanking plug
 Outlet at the bottom: G3/8", not self-closing
 Outlet on the right: blanking plug

ORDER NO.	PU
RB2-081D-11W211	1 unit



REDOX BASIS COMPACT PRESSURE REGULATOR

FEATURES AS ON PAGE 7; HOWEVER:

Pressure gauge: vertical, oriented to the front
 Outlet on the left: blanking plug
 Outlet at the bottom: NIST, not self-closing
 Outlet on the right: blanking plug

ORDER NO.	PU
RB1-081D-11N211	1 unit



REDOX BASIS COMPACT PRESSURE REGULATOR

A HIGH-QUALITY AND EXCEPTIONALLY ROBUST COMPACT PRESSURE REGULATOR WITH A FLOW METER, DESIGNED SPECIFICALLY FOR EMERGENCY MEDICINE.

Maintenance interval: 5 years Gas type: O₂
Inlet: hand-tight connection, short type (DIN 477) Inlet pressure: max. 200 bar
Outlet pressure: fixed at 4.5 bar
Nominal flow rate at 20 bar inlet pressure: 100 l/min
Nominal flow rate at 100 bar inlet pressure: 200 l/min
Nominal flow rate at 200 bar inlet pressure: > 200 l/min
Outlet on the left: blanking plug
Outlet at the bottom: G3/8", not self-closing
Outlet on the right: blanking plug
Pressure gauge: horizontal, flat pressure gauge,
12 o'clock position pointing towards the cylinder connection

ORDER NO.	PU
RB5-081D-11W211	1 Stk.



REDOX CLICK COMPACT FLOW METER

A HIGH-QUALITY AND EXTREMELY ROBUST COMPACT FLOW METER FOR OXYGEN AND EMERGENCY MEDICINE.

Inlet: plug-in nipple to DIN 13260-2

Gas type: O₂

Inlet pressure: 4.0 + 1.0 bar Outlet: Nozzle

Flow rate adjustable in steps

TYPE A: 0 / 0.5 / 1 / 1.5 / 2 / 3 / 4 / 6 / 8 / 12 / 15 l/min

TYPE B: 0 / 2 / 3 / 4 / 6 / 8 / 12 / 15 / 20 / 25 / 30 l/min

TYPE	ORDER NO.	PU
A	RC1T-08-DE-15	1 unit
B	RC1T-08-DE-30	1 unit



REDOX TUBE CENTRAL SUPPLY HOSE

DIN ELBOW CONNECTOR, 1.5 M, NIST,
COLOUR-NEUTRAL

Gas type: O2
Colour code: colour-neutral (black)
Inlet: elbow connector DIN 13260-2
Outlet: NIST screw connection Length: 1.5 m

WE ALSO MANUFACTURE CENTRAL
SUPPLY HOSES INDIVIDUALLY
ACCORDING TO YOUR SPECIFICATIONS

BEST.-NR.	VPE
LH001-08-DE-N-150-N1	1 Stk.



REDOX TUBE CENTRAL SUPPLY HOSE

DIN ELBOW CONNECTOR, 1.5 M, NIST, ISO

Gas type: O2
Colour code: ISO 32 (white)
Inlet: elbow connector DIN 13260-2
Outlet: NIST screw connection Length: 1.5 m

BEST.-NR.	VPE
LH001-08-DE-I-150-N1	1 Stk.

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