



MEDICAL OXYGEN REDUCERS



ABOUT US

The Metalerg Company is a family business which has been in operation since 1967. For the past twenty years we have produced world-class quality medical equipment, i.e. a medical oxygen providing sets used by medical facilities and rescue units. **Our potential, knowledge and experience have allowed us to achieve unmatched durability, and our products are protected by patents. We produce equipment in conformity with harmonised standards PN-EN ISO 9001, ISO 13485 as well as Directive 93/42/EEC Annex II.**

Our equipment is tested in accredited laboratories in the European Union. Our production is controlled and strictly supervised and the purchase and delivery of raw materials as well as supplies is subject to strict review.



■ Reducers for medical oxygen bottles

A reducer for medical oxygen is a basic piece of equipment for the distribution and reduction of medical oxygen in oxygen therapy sets. Our devices are supplied with step flow rate adjustment, therefore a person using oxygen therapy is guaranteed a constant oxygen flow. Oxygen providing sets are used in hospitals as well by rescue services, ambulances and other places where oxygen therapy is required. Long-term experience and high awareness of our client's needs have allowed us to achieve high durability and reliability of our reducers. Since 2017 we have offered to our clients the possibility of extended warranty of up to 8 years. Our medical oxygen providing set, used together with our reducer to save lives and protect health is always available and ready to use. Metalerg is proud to be taking care of the safety of patients using oxygen therapy.



Type Z-100.2.2.P reducer

It is designed for operation with a medical oxygen bottle. The stub-pipe is used to distribute oxygen in oxygen therapy, with constant oxygen flow, selected as needed, without humidifier.

An oxygen regulator (dispenser), a respirator or an ambulance oxygen piping system can be connected to the reducer through an AGA socket with an unregulated outlet.

Technical data:

Supply pressure: from 4 to 20 [Mpa]; the minimum flow through the "AGA" socket with an unregulated outlet is 140 l/min.

Reduced pressure: from 0,4 to 0,5 [Mpa], through the "AGA" or „DIN" socket.

Adjustment range with control knob: 0-25 l/min, with a stub-pipe outlet or "0-15" type, adjustment range is 0-15 l/min.



Type Z-100.2.2.P-T reducer (light version)

It is designed for operation with a medical oxygen bottle. The stub-pipe is used to distribute oxygen in oxygen therapy, with constant oxygen flow, selected as needed, without humidifier.

An oxygen regulator (dispenser), a respirator or an ambulance oxygen piping system can be connected to the reducer through an AGA socket with an unregulated outlet.

Technical data:

Supply pressure: from 4 to 20 [Mpa]; the minimum flow through the "AGA" socket with an unregulated outlet is 140 l/min.

Reduced pressure: from 0,4 to 0,5 [Mpa], through the "AGA" or „DIN" socket.

Adjustment range with control knob: 0-25 l/min, with a stub-pipe outlet or "0-15" type, adjustment range is 0-15 l/min.



Type Z-100.2.1.P reducer with a stub-pipe

Designed for operation with a medical oxygen bottle. The unit is used to distribute oxygen in oxygen therapy, with the constant oxygen flow, selected as needed. The reducer with a stub-pipe is used in oxygen therapy without humidifier.

Technical data:

Supply pressure: from 4 to 20 [Mpa].

Adjustment range with control knob: 0-15 l/min, with a stub-pipe outlet or "0-25" type, adjustment range is 0-25 l/min.



Type Z-100.2.1.P-T reducer with a stub-pipe (light version)

Designed for operation with a medical oxygen bottle. The unit is used to distribute oxygen in oxygen therapy, with the constant oxygen flow, selected as needed. The reducer with a stub-pipe is used in oxygen therapy without humidifier.

Technical data:

Supply pressure: from 4 to 20 [Mpa].

Adjustment range with control knob: 0-15 l/min, with a stub-pipe outlet or "0-25" type, adjustment range is 0-25 l/min.



Type Z.100.2.1.P reducer with connection humidifier

Designed for operation with a medical oxygen bottle. The unit is used to distribute oxygen in oxygen therapy, with the constant oxygen flow, selected as needed. The reducer is used in oxygen therapy with humidifier, with a maximum flow 15 l/min.

Technical data:

Supply pressure: from 4 to 20 [Mpa].

Adjustment range with control knob: 0-15 l/min.



Type Z.100.2.1.P-T reducer with connection humidifier (light version)

Designed for operation with a medical oxygen bottle. The unit is used to distribute oxygen in oxygen therapy, with the constant oxygen flow, selected as needed. The reducer is used in oxygen therapy with humidifier, with a maximum flow 15 l/min.

Technical data:

Supply pressure: from 4 to 20 [Mpa].

Adjustment range with control knob: 0-15 l/min.



Type Z.100.2.1.PN reducer

Designed for operation with a medical oxygen bottle. The unit is used to distribute oxygen in oxygen therapy, with the constant oxygen flow, selected as needed. To AGA or DIN device connection.

Technical data:

Supply pressure: from 4 to 20 [Mpa].

Adjustment range with control knob: 0-15 l/min, with a stub-pipe outlet or "0-25" type, adjustment range is 0-25 l/min.



Type Z.100.2.1.PN-T reducer (light version)

Designed for operation with a medical oxygen bottle. The unit is used to distribute oxygen in oxygen therapy, with the constant oxygen flow, selected as needed. To AGA or DIN device connection.

Technical data:

Supply pressure: from 4 to 20 [Mpa].

Adjustment range with control knob: 0-15 l/min, with a stub-pipe outlet or "0-25" type, adjustment range is 0-25 l/min.



Type Z-100.2.0.P reducer

Designed for operation with a medical oxygen bottle. An oxygen regulator (dispenser), a respirator or an ambulance oxygen piping system can be connected to the reducer through an „AGA" socket with an unregulated outlet.

Technical data:

Supply pressure: from 4 to 20 [Mpa].

Adjustment range with control knob: 0-15 l/min, with a through the "AGA" or „DIN" outlet. or "0-25" type, adjustment range is 0-25 l/min.



Type R100 (with a stub-pipe) dispenser-regulator for medical oxygen distribution

Type R100 dispenser (regulator) is designed for operation in a medical oxygen piping system, with „AGA" sockets, or „DIN". The dispenser/regulator with a stub pipe is used in oxygen therapy without humidifier, or, with an with a humidifier, disposable or reusable.

Technical data:

Working range: from 0.4 to 0.5 [Mpa].

Adjustment range with control knob: 0-15 l/min, with a stub-pipe outlet or "0-25" type, adjustment range is 0-25 l/min.



Type R100-T (with a stub-pipe) dispenser-regulator for medical oxygen distribution (light version)

Type R100 dispenser (regulator) is designed for operation in a medical oxygen piping system, with „AGA" sockets, or „DIN". The dispenser/regulator with a stub pipe is used in oxygen therapy without humidifier, or, with an with a humidifier, disposable or reusable.

Technical data:

Working range: from 0.4 to 0.5 [Mpa].

Adjustment range with control knob: 0-15 l/min, with a stub-pipe outlet or "0-25" type, adjustment range is 0-25 l/min.





Oxygen humidifiers

Oxygen humidifiers are an indispensable part of oxygen providing equipment. They are used in long-term oxygen therapy. As all our medical devices, humidifiers are characterized by certified high quality and high durability.

Aluminum oxygen bottle (cylinder); capacity 2.7 l, capacity 2.0 l



Oxygen bottle carts



Couplings, adapters and connectors



Connection with 9/16 thread



Fast-release coupling O2 (oxygen) AGA or „DIN“ type with M10x1 thread



Pin O2 (oxygen) in the DIN or AGA-tube system



Adapter DIN-PinIndex for filling oxygen bottles



Adapter Pinindex/DIN for filling oxygen bottles

Rescue Kit for a Paramedic

Description of the rescue bag.

The best materials and components that guarantee the highest quality were used for the bag. The bag has been sewn from CORDURA 1000 certified material, which is characterized by unusual resistance to abrasion, and the impact of adverse weather conditions. What is more, CORDURA 1000 is very light, and the use of a combination of polymers, including the Teflon layer, makes it hardly flammable. The safety of the equipment and the durability of the bag's shape is ensured by the use of a combination of light plasticizers covered with a special insulating foam. Thanks to this the bag is characterized by high durability and stiffness, while maintaining a low weight. Designer components were also used in the backpack:

1. professional and unbreakable zippers by YKK, 10 mm,
2. extremely durable plastic components by NEXUS,
3. certified VizLite reflective tapes,
4. Reutex titanium threads.

The medical kit along with the bag can be customized individually to the guidelines after previous contact with a Metalerg representative.



8 - YEAR WARRANTY

* More information after previous contact with a Metalerg representative.

