



metalerg.pl

Medical oxygen providing sets



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 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 such as PSP [State Fire Service], WOPR [Volunteer Water Rescue Services], ambulances and other places where oxygen therapy is required. Long-term experience and high awareness of our clients' 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" 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 Z100.21.PN reducer (with "AGA" quick-release coupling)

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 quick-release coupling is used in oxygen therapy with humidifier, with angle connection, with a maximum flow 0.15 l/min.

Technical data:

Supply pressure: from 4 to 20 [Mpa]
Adjustment range with control knob: 0.15 l/min, with "AGA" socket or "0.25" type, use the device without humidifier.



● 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], minimum flow is 140 l/min
Reduced pressure: from 0,4 to 0,5 [Mpa] through the "AGA" socket

Type R100 (with a stub-pipe) and R100N (with a fast-release coupling) dispenser

Type R100 dispenser (regulator) is designed for operation in a medical oxygen piping system, with „AGA“ sockets, or directly with an oxygen reducer equipped with an „AGA“ socket (e.g. Type Z-100.2.0 P or Type Z-100.2.2P reducers). The dispenser/regulator with a stub pipe is used in oxygen therapy without humidifier, or, with an „AGA“ fast-release coupling, 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.

Oxygen humidifiers

Oxygen humidifiers are an indispensable part of oxygen providing equipment. They are used in long-term oxygen therapy. We offer humidifiers with a straight or angled tip. Sterilization temperature up to 124°C. As all our medical devices, humidifiers are characterized by certified high quality and high durability.

Aluminum oxygen bottle (cylinder); capacity 2.7 l

Oxygen bottles are one of the most important pieces of equipment for resuscitation. They can be found in each ambulance, hospital or other places where human life is saved. We offer aluminum oxygen bottles with a 3/4" valve, 2.7 l capacity. Oxygen bottles with our oxygen filling adapters and reducers are an ideal set.

The bottles are certified for long term-use – 10 years.

Product parameters:

Aluminum: **Yes**

Capacity (l): 2.7

Oxygen bottle carts

We offer oxygen bottle carts. Two-wheelers with a chain to hold the bottle and prevent falling. There is a possibility of adjusting the cart to the client's needs.

Producer: METALERG

Model: 2 wheelers

Couplings and adapters

● Pins in the AGA system:

We offer the following types of connectors:

1. Pin O2 (oxygen) in the AGA-tube system
2. Pin VAC (vacuum) in the AGA-tube system
3. Pin AIR (air) in the AGA-tube system

Producer: METALERG

Model: AGA pins

● Fast-release couplings with an M10x1 thread:

We offer the following types of couplings:

1. Fast-release coupling AIR (air) AGA type with M10x1 thread
2. Fast-release coupling O2 (oxygen) AGA type with M10x1 thread

Producer: METALERG

Model: Fast-release couplings with M10x1 thread

1.



2.



● There are two types of connectors used in oxygen bottles:

- DIN 3/4" valve – used in most European countries,
- PinIndex valve – used mostly in Great Britain and in the USA.

In case of incompatibility of the device with the oxygen bottle, an adapter, which will enable a tight connection of the two elements, should be used.

1. Adapter DIN-PinIndex for filling oxygen bottles

Adapter DIN/PinIndex is designed for filling oxygen bottles with the DIN valve using devices with the PinIndex tip.

Producent: METALERG

Model: Adapter DIN-PinIndex

2. Adapter Pinindex/DIN for filling oxygen bottles

Adapter Pinindex/DIN is designed for filling oxygen bottles with the Pinindex valve using devices with the DIN tip.

Producent: METALERG

Model: Adapter PinIndex/DIN

We also offer:

3. Adapter O2 (oxygen) DIN-AGA

4. Adapter AIR (air) DIN-AGA

1.



2.



3.



4.



8 – year warranty

* More information after previous contact with a Metalerg representative.



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