





## Pressure Regulators and Dispensers produced by FARUM sp. z o.o., Warsaw, Poland

### Oxygen metal and aluminium cylinders

Oxygen regulator A30/I	Oxygen regulator A30/II
 <p>A30 wykonanie I</p>	 <p>A30 wykonanie II</p>
<p>Supply pressure max. 150 kPa x 100          Pressure reduced 5 kPa x 100          Gas flow &gt; 100 l / min          M18 x 1.5 outlet connector</p>	<p>Supply pressure max. 150 kPa x 100          Pressure reduced 5 kPa x 100          Gas flow &gt; 100 l / min          AGA quick connector</p>

N <sub>2</sub> O regulator A31/I	N <sub>2</sub> O regulator A31/II
 <p>A31 wykonanie I</p>	 <p>A31 wykonanie II</p>
<p>Supply pressure max. 150 kPa x 100  Pressure reduced 5 kPa x 100  Gas flow&gt; 100 l / min  M1/2 inches outlet connector</p>	<p>Supply pressure max. 150 kPa x 100  Pressure reduced 5 kPa x 100  Gas flow&gt; 100 l / min  AGA quick connector</p>

**Oxygen regulator with dispenser and humidifier A36/I**



The flow control allows the patient to be given 0 to 15 l / min of moisturized oxygen. It is possible to obtain a moistened oxygen-air mixture by turning the air intake ring.  
With a reusable container for disinfection.

**Oxygen regulator with dispenser and humidifier A36/II**



The flow control allows the patient to be given 0 to 15 l / min of moisturized oxygen.  
With a disposable container or bubble humidifier with an alarm.

**Oxygen regulator with humidifier A40/I**



The regulator integrated with the dispenser and humidifier (type A21) is designed for passive oxygen therapy; is used to give a patient moisturized oxygen or oxygen-air mixture; with sterilization container (121°C)

**Oxygen regulator A40/II**



Supplying medical devices with oxygen from the cylinder, pressure reduced to 0.4 +0.1 MPa.  
AGA quick connector

### Oxygen regulator with sequential dispenser A40/IV



Regulator for administering oxygen to the patient, integrated with the sequential dispenser (A41), with flow 0-15 l / min, with drain outlet for the patient - adjustable flow values: 0, 2, 4, 6, 8, 10, 12, 15 l/min.

### Oxygen regulator with sequential dispenser A40/V



Reducer for administering oxygen to the patient, intended mainly for emergency medical services, integrated with a sequential dispenser (A41) with a flow of 0-25 l/min, with a drain outlet and a quick coupling, adjustable flow values: 0, 2, 4, 6, 10, 15, 20, 25 l/min.

AGA quick connector

**Air regulator A40/VI AIR**



The device is used to reduce the pressure of medical air drawn from the cylinder.  
Supply pressure:  $2 \div 20$  MPa  
Reduced pressure:  $0.4 \pm 0.1$  MPa  
Working temperature:  $5 \div 40^\circ\text{C}$   
Cylinder connector: 5/8"

**Air regulator A40/VIII N<sub>2</sub>O with AGA connector**



The nitrous oxide reducer type A40-N2O is designed to work with medical devices and is used to reduce the nitrous oxide pressure by 0.4 MPa  
Supply pressure  $2 \div 20$  MPa  
Pressure reduced  $0.4 \pm 0.1$  MPa  
Working temperature  $5 \div 40^\circ\text{C}$   
Cylinder connector: 3/8"

**Vacuum regulator A45/II**



The device is used to extract fluids and mouth secretions.  
 The device is powered by a vacuum source.  
 Smooth adjustment:  $0 \div -1$  bar  
 Flow:  $60 \pm 5$  l / min  
 Performance: max. 250 ml / 10s

**Vacuum regulator A45/III**



The device is used to extract fluids and mouth secretions.  
 The device is powered by a vacuum source.  
 On the Euro / Modura rails. A set of silicone hoses with an application tip.  
 Smooth adjustment:  $0 \div -1$  bar  
 Flow:  $60 \pm 5$  l / min  
 Performance: max. 250 ml / 10s

### Dispenser with reusable-use container A21/II



A21 - wykonanie II

Oxygen dispenser with flow meter and humidifier for wall outlets.  
It is adapted to cooperate with the AGA type wall socket.  
Supply pressure max. 600 kPa  
Flow adjustment range 1-15 l / min  
Moisturizing max. 60%

### Dispenser for disposable containers A21/III



A21 - wykonanie III



Oxygen dispenser with flow meter and humidifier for wall outlets.  
It is adapted to cooperate with the AGA type wall socket.  
Dispensers A21 version III and version IV are designed to work with  
disposable bubble humidifiers.  
Supply pressure max. 600 kPa  
Flow adjustment range 1-15 l / min  
Moisturizing max. 60%



**Dispenser fixed to Modura and Euro rails to  
disposable containers A21/IV**



A21 - wykonanie IV

Oxygen dispenser with flow meter and humidifier for wall outlets.  
It is adapted to cooperate with the AGA type wall socket.

Universal rail holder.

Dispensers A21 version III and version IV are designed to work with  
disposable bubble humidifiers.

Supply pressure max. 600 kPa

Flow adjustment range 1-15 l / min

Moisturizing max. 60%

**Dispenser fixed to Modura and Euro rails to  
reusable containers A21/V**



A21 - wykonanie IV

Oxygen dispenser with flow meter and humidifier for wall outlets.  
It is adapted to cooperate with the AGA type wall socket.

Universal rail holder.

Designed to work with reusable MAC 300 container.

Supply pressure max. 600 kPa

Flow adjustment range 1-15 l / min

Moisturizing max. 60%

**Dispenser fixed to Modura and Euro rails to disposable containers A21/IV**



A21 - wykonanie IV

Oxygen dispenser with flow meter and humidifier for wall outlets.  
It is adapted to cooperate with the AGA type wall socket.  
Universal rail holder.  
Dispensers A21 version III and version IV are designed to work with disposable bubble humidifiers.  
Supply pressure max. 600 kPa  
Flow adjustment range 1-15 l / min  
Moisturizing max. 60%

**Dispenser with reusable (sterile) container A21/VII**



A21 - wykonanie VII



Oxygen dispenser with flow meter and humidifier for wall outlets.  
It is adapted to cooperate with the AGA type wall socket.  
Supply pressure max. 600 kPa  
Flow adjustment range 1-15 l / min  
Moisturizing max. 60%

### Air dispenser A27



Air dispenser with flow meter mounted to the wall sockets  
The A27 type air dispenser with a flow meter is designed for taking medical air, under reduced pressure to 0.6 MPa, from a central hospital installation and dosing the necessary (set) amount of air to the patient.  
It is adapted to cooperate with the AGA wall socket and humidifiers, one or multiple use.

Working pressure of air supply  $0.1 \div 0.6$  MPa  
Adjustable air flow range  $0 \div 15$  l / min.  $\pm 10\%$ .

Sequential dispenser A41/I	Sequential dispenser A41/II
 <p data-bbox="472 639 815 683">A41 - wykonanie I</p>	 <p data-bbox="1397 639 1753 683">A41 - wykonanie II</p>
<p data-bbox="490 730 795 754">Mounted to wall sockets.</p> <p data-bbox="320 767 967 791">Used to dispense oxygen from the AGA oxygen socket.</p> <p data-bbox="192 804 1097 900">Designed for emergency medical applications and as equipment for hospitals, clinics and other health care facilities. It is used to accurately dose oxygen to a patient with preset values.</p> <p data-bbox="483 912 804 936">Supply pressure: 0.35 MPa</p> <p data-bbox="293 949 994 973">Flow accuracy: <math>\pm 10\%</math> of the displayed value or <math>\pm 0.5 \text{ l / min}</math></p> <p data-bbox="365 986 925 1010">Operating conditions: Temperature <math>-5^{\circ}\text{C} \div 40^{\circ}\text{C}</math></p> <p data-bbox="450 1023 840 1046">Storage temperature: <math>-20 \div 60^{\circ}\text{C}</math></p> <p data-bbox="459 1059 831 1083">Dimensions: 66.5 x 72 x 42 mm</p> <p data-bbox="344 1096 945 1120">Flow regulation range: 2, 4, 6, 8, 10, 12, 15 l / min.</p> <p data-bbox="441 1133 848 1157">Power connector: M 10 x 1 thread</p>	<p data-bbox="1431 730 1736 754">Mounted to wall sockets.</p> <p data-bbox="1261 767 1908 791">Used to dispense oxygen from the AGA oxygen socket.</p> <p data-bbox="1133 804 2038 900">Designed for emergency medical applications and as equipment for hospitals, clinics and other health care facilities. It is used to accurately dose oxygen to a patient with preset values.</p> <p data-bbox="1420 912 1740 936">Supply pressure: 0.35 MPa</p> <p data-bbox="1232 949 1933 973">Flow accuracy: <math>\pm 10\%</math> of the displayed value or <math>\pm 0.5 \text{ l / min}</math></p> <p data-bbox="1303 986 1863 1010">Operating conditions: Temperature <math>-5^{\circ}\text{C} \div 40^{\circ}\text{C}</math></p> <p data-bbox="1388 1023 1778 1046">Storage temperature: <math>-20 \div 60^{\circ}\text{C}</math></p> <p data-bbox="1397 1059 1769 1083">Dimensions: 66.5 x 72 x 42 mm</p> <p data-bbox="1281 1096 1886 1120">Flow regulation range: 2, 4, 6, 10, 15, 20, 25 l / min</p> <p data-bbox="1377 1133 1785 1157">Power connector: M 10 x 1 thread</p>

### Sequential dispenser A41/IV



### A41 - wykonanie IV

Mounted to wall sockets.

Used to dispense oxygen from the AGA oxygen socket.

Designed for emergency medical applications and as equipment for hospitals, clinics and other health care facilities. It is used to accurately dose oxygen to a patient with preset values.

Supply pressure: 0.35 MPa

Flow accuracy:  $\pm 10\%$  of the displayed value or  $\pm 0.5 \text{ l / min}$

Operating conditions: Temperature  $-5^{\circ}\text{C} \div 40^{\circ}\text{C}$

Storage temperature:  $-20 \div 60^{\circ}\text{C}$

Dimensions: 95 x 61 x 42 mm

Flow regulation range: 2, 4, 6, 8, 10, 12, 15 l / min

### Bubble humidifier HB-2401



The HB-2401 bubble humidifier is equipped with a Pop-OFF safety alarm that activates if the connecting cable with the oxygen mask or catheter is bent or blocked. The pressure value at which the alarm will sound is 0.4 bar.

Single use device (for one patient).

Material: ABS, PVC, PP

minimum work level: 90 ml

maximum working level: 270 ml

The humidifier fits the following Reducers and Dispensers:

- A36/II
- A21/III
- A21/IV

### MAK 300 container



Capacity bottle 285 ml.

Sterilization container with thread 9/16".

Compatible with:

Dispenser A21/III



Regulator A36/II

### Accessories for regulators




- AGA O2 plug (for reducer A30/II, A40/II and A40/V)
- N2O AGA plug
- AIR AGA plug
- O2 DIN plug
- quick connector socket O2; N2O; AIR

## Oxygen metal and aluminium cylinders (empty, without air/oxygen gases)

Oxygen cylinder 2 litres	Oxygen cylinder 3 litres
	
<p>2 dm<sup>3</sup> medical oxygen bottle. Cylinders are sold without oxygen. Cylinder material: 34CrMo4 Minimum wall thickness: 2.5 mm Diameter: 115 mm Max. filling pressure: 200 bar Height: ~ 290 mm Weight: ~ 3.0 kg ± 5% Bottom type: concave</p>	<p>3 dm<sup>3</sup> medical oxygen bottle. Cylinders are sold without oxygen. Cylinder material: 34CrMo4 Minimum wall thickness: 2.5 mm Diameter: 115 mm Max. filling pressure: 200 bar Height: ~ 400 mm Weight: ~ 3.9 kg ± 5% Bottom type: concave</p>



Oxygen cylinder 5 litres	Oxygen cylinder 10 litres
	
<p>5 dm<sup>3</sup> medical oxygen bottle.  Cylinders are sold without oxygen.  Cylinder material: 34CrMo4  Minimum wall thickness: 2.5 mm  Diameter: 140 mm  Test pressure: 300 bar  Max. filling pressure: 200 bar  Height: ~ 445 mm  Weight: ~ 7.0 kg ± 5%  Bottom type: concave</p>	<p>10 dm<sup>3</sup> medical oxygen bottle.  Cylinders are sold without oxygen.  Diameter: 140 mm  Test pressure: 300 bar  Max. filling pressure: 200 bar  Height: ~ 810 mm  Weight: ~ 16.0 kg  Bottom type: concave</p>

### Aluminum oxygen cylinder 2.7 litres



2.7 dm aluminum oxygen cylinder with standard DIN valve.

Working pressure is 20MPa = 200bar

Compressed oxygen capacity: at 200bar ~ 540L, at 150 bar ~ 405L

Diameter: 117mm

The length of the cylinder without incl. 420mm

Weight of empty cylinder - 3.7 kg

Equipped with oxygen valve with connection thread G3/4"

### Trolley for oxygen cylinders 5l, 10l



Trolley for internal transport of medical oxygen cylinders with a capacity of 5 or 10 liters and as a tripod protecting the cylinder from tipping over.

Technical data:

trolley height: 1020 mm

wheel base: 245 mm

maximum truck load: 40 kg

permissible size of transported cylinders: 5 or 10 liters

trolley weight: 6.5 kg



### Cylinder handle type T21



The handle is designed to hang the cylinder on the wall and bed frame (frame width max. 35 mm).

Adapted to cylinders with a capacity of 2.7 litres (diameter 117 mm) or 3 liters (diameter 115mm).

The kit consists of a bottle holder and a wall mount hanger.

Oxygen therapy set with A36 reducer	Oxygen therapy set with A40 reducer
	
<p>Designed for transporting the oxygen cylinder together with the oxygen reducer type A36, tubes and oxygen mask.</p> <p>The kit allows the patient to be administered a moistened oxygen-air mixture or moisturized oxygen.</p> <p><b>Oxygen kit equipment:</b></p> <ul style="list-style-type: none"> <li>• Oxygen reducer type A36 <ul style="list-style-type: none"> <li>• T12 trolley</li> </ul> </li> <li>• Medical oxygen bottle 5 or 10 liters <ul style="list-style-type: none"> <li>• Oral-nasal mask</li> </ul> </li> <li>• Optional: Catheter for nasal oxygen delivery via "mustache".</li> </ul>	<p>Purpose: for transporting the oxygen cylinder with oxygen regulator type A40, pipes and oxygen mask. The kit enables the patient to be given moisturized oxygen or an oxygen-air mixture (set with A40 reducer, version I) or for the administration of pure oxygen (with reducer and sequential dispenser - A40/IV).</p> <p><b>Oxygen kit equipment:</b></p> <ul style="list-style-type: none"> <li>• Oxygen reducer type A40 <ul style="list-style-type: none"> <li>• T12 trolley</li> </ul> </li> <li>• Medical oxygen bottle 5 or 10 liters <ul style="list-style-type: none"> <li>• Oral-nasal mask</li> </ul> </li> <li>• Optional: Catheter for nasal oxygen delivery via "mustache".</li> </ul>