



# Medical oxygen and air cylinders with combi valve



**WOIKOSKI**  
MEDICAL

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Two different combi valves are used in medical oxygen cylinders: GCE Medivital and Viproxy (*discontinued model*). The GCE Medivital valves are used in medical air cylinders. Their connectors and operating principles are identical.

## Viproxy



### 1 HOSE NIPPLE

The hose nipple is connected to a nasal cannula or an oxygen mask.

### 2 PRESSURE INDICATOR

The pressure indicator shows the amount of gas in the cylinder. The green area is the normal range for use. When the needle is in the red section, the cylinder is almost empty.

### 3 ON/OFF VALVE

Open the medical cylinder by turning the on/off valve anticlockwise (+). The cylinder is closed by turning the on/off valve clockwise (-).

### 4 FLOW SELECTOR

Use the flow selector to set the prescribed flow.

### 5 QUICK CONNECTOR

The quick connector is connected to a ventilator's tube or a separate flow meter. The tube connector and the quick connector should not be used simultaneously because this affects the flow rate and volume.

### 6 FILLING PORT

Do not use the filling port. The filling port is fitted with a non-return valve.

## GCE Medivital



# Instructions for the use of the combi valve

1. Remove the seal before use.
2. Check **the pressure indicator** 2 to make sure that the cylinder contains a sufficient amount of gas.
3. Connect the nasal cannula or oxygen mask to **the hose nipple** 1.
4. Open the medical oxygen cylinder by turning **the on/off valve** 3 anticlockwise (+).
5. Use **the flow selector** 4 on top of the cylinder to set the prescribed flow rate.
6. Once you stop using the medical oxygen cylinder, close it by turning **the on/off valve** 3 clockwise (-).
7. Switch off **the flow selector** 4 by turning it to 0.

**Remember to turn the on/off valve to the off position after each use.**

## Gas cylinder capacity

Operating time of 200 bar medical oxygen and air cylinders  
Medical oxygen and air cylinders' operating time is determined by the cylinder size and the flow rate. The table shows the operating time for full gas cylinders at different flow rates. The given operating times are approximate.

	Viproxy	GCE Medivital
<b>Flow selector options</b> l / min	¼, ½, 1, 2, 3, 4, 6, 8, 10, 15 and 25	1, 2, 3, 4, 5, 6, 7, 9, 12, 15 and 25

FLOW	2l cylinder	3l cylinder	5l cylinder	7l cylinder	10l cylinder
<b>1 l/min</b>	6 h	10 h	15 h	22 h	30 h
<b>2 l/min</b>	3 h	5 h	8 h	11 h	16 h
<b>3 l/min</b>	2 h	3 h	5 h	7 h	10 h
<b>4 l/min</b>	1 h 30 min	2 h 20 min	4 h	5 h	8 h
<b>5 l/min</b>	1 h	1 h 50 min	3 h	4 h	6 h
<b>10 l/min</b>	30 min	50 min	1 h 30 min	2 h	3 h
<b>15 l/min</b>	20 min	30 min	1 h	1 h 20 min	2 h

The formula used in the calculations is (pressure x volume)/flow.  
The results have been rounded down. Flow accuracy has not been factored in.

## Weight of full medical oxygen cylinders

The cylinders are made of either conventional carbon steel or a lighter composite material with an aluminium interior. Composite cylinders with combi valves are also called composite cylinders. The cylinder weights provided in the table may vary depending on the safety valve type, valve collar and the manufacturer.

WEIGHTS OF CYLINDERS WITH COMBI VALVES		COMPOSITE CYLINDER WEIGHTS	
<b>2 l cylinder</b>	6 kg	<b>2 l cylinder</b>	3,7 kg
<b>5 l cylinder*</b>	11 kg	<b>3 l cylinder</b>	4,7 kg
<b>10 l cylinder*</b>	16 kg	<b>7 l cylinder</b>	8,2 kg
<b>20 l cylinder</b>	30-40 kg		

\*also available with medical air



## Home oxygen therapy customer service

We are glad to help you with all your home oxygen therapy needs and questions.

**Customer service:**

[kotihappihoito@woikoski.fi](mailto:kotihappihoito@woikoski.fi)

**Phone during weekdays from 8 a.m. to 3:30 p.m.:**

+358 45 788 15403

## How to order

Send your prescription and the order form to our home oxygen therapy customer service:

**by fax to** +358 20 605 1812

**by encrypted e-mail to** [kotihappihoito@woikoski.fi](mailto:kotihappihoito@woikoski.fi)

**or by post to** Woikoski Medical, Puurtajankatu 22, 04440 Järvenpää

The prescription must be written on the SV1 form of the Finnish Social Insurance Institution (Kela). Alternatively, a doctor may call Woikoski Medical's customer service pharmacist to issue a prescription, tel. +358 45 788 15403. Medical oxygen cannot be prescribed by an electronic prescription. The order form is available on Woikoski's website.

## Customer service for health care professionals

You are welcome to contact us to submit your orders for medicinal gases and hospital supplies and to pose questions related to these.

**by e-mail at** [medical@woikoski.fi](mailto:medical@woikoski.fi)

**by phone during weekdays from 8 a.m. to 3:30 p.m.:** +358 40 166 2023

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