

## THE ADVANTAGES

- First appliance with an alphanumeric plain-text display
- Naturally low-noise
- Fully developed safety system
- Maximum oxygen concentration is reached extremely quickly directly after switching on
- Constant monitoring of all operational data and value display of at the push of a button
- Permanent check of the oxygen flow
- Optimal service and maintenance facilities due to easy accessibility of all subassemblies
- No calibrations required at all
- Multistage-design filter system for long-term operation
- O<sub>2</sub> indicator display
- Display of the telephone of the appropriate dealer in the event of service requirements
- Recording of total as well as individual operating hours
- Recording and saving faults that may occur Message can be retrieved
- Easy to extend due to modular design

## SERVICE AND MAINTENANCE FACILITIES

The Précise 6000 series of oxygen concentrators is made up of innovative products with tried-and-trusted technology. During development particular attention was paid to the following points:

- Easy accessibility and straightforward layout of all components
- No adjustment work due to the fully developed technology
- Lengthier maintenance intervals due to low-wear operation
- Durability due to the multistage design of the filter system

## THE TECHNICAL DATA

	Model P 6000	Model P 6000 S
Dimensions:	55 x 21.5 x 55 cm	55 x 21.5 x 55 cm
Weight:	approx. 21 kg	approx. 21 kg
Operating voltage:	230 V/50 Hz	230 V/50 Hz
Nominal current:	2.0 A	2.0 A
Flow:	0.5 l/min	0.6 l/min
Oxygen concentration:	0.1-3 l/min 95 +/- 3 vol.% O <sub>2</sub> -4 l/min 90 +/- 3 vol.% O <sub>2</sub> -5 l/min 82 +/- 3 vol.% O <sub>2</sub>	0.1-4 l/min 95 +/- 3 vol.% O <sub>2</sub> -5 l/min 88 +/- 3 vol.% O <sub>2</sub> -6 l/min 80 +/- 3 vol.% O <sub>2</sub>
Sound pressure:	39 dB(A) according to ISO 3743	39 dB(A) according to ISO 3743
Output pressure:	300 - 350 mbar according to DIN EN ISO 8359	300 - 350 mbar according to DIN EN ISO 8359
Coarse filter:	accessible from the front	accessible from the front
Fine filter:	two-fold in casing	two-fold in casing
Micro filter:	in the appliance	in the appliance
Bacterial filter:	in the appliance	in the appliance
Guarantee:	3 years	3 years

## THE OPTIONAL EXTRAS

- Optional extra "M"** = Permanent oxygen concentration monitoring  
(OCSI = Oxygen Concentration Status Indicator)
- Measuring range: 21-98 vol.% O<sub>2</sub>  
Measuring accuracy: +/- 3 vol. % O<sub>2</sub>
- Optional extra "D"** = RS 232 interface also accessible from the outside  
Connections for: O<sub>2</sub> economy monitor, service programming, service evaluation
- Optional extra "I"** = Integrated negative O<sub>2</sub> ionisation  
Operation via IR remote control  
Capacity: 5 million negative ions/cm<sup>3</sup>,  
Ionisation voltage: 3KV

The components illustrated and described can be individually varied and are not in each case part of the standard extent of delivery. Particulars and data correspond to the knowledge available at the time of printing. Subject to alteration.

Your contact:

## PRÉCISE 6000



THE OXYGEN CONCENTRATOR

**PRÉCISE 6000 THE FULLY  
DEVELOPED SAFETY SYSTEM FOR  
BEST POSSIBLE OXYGEN SUPPLY, .....**

Alphanumeric plain-text  
display to monitor and  
display all operational data,  
including among others the  
service telephone number  
as well as the total and  
individual operating hours

**THE METHOD**

The basic principle of obtaining oxygen by means of oxygen concentrators is the pressure alteration procedure.

Here in

- **Step 1** – ambient air is drawn into a compressor and compressed in a container with a molecular sieve,
- **Step 2** – nitrogen molecules are bound to the surface of the molecular sieve and as a result separated from oxygen molecules, which pass through the molecular sieve,
- **Step 3** – the molecular sieve is vented by flushing the nitrogen found therein with a part of the oxygen obtained.

In the three-column medicap technique one column is always filled on an alternating (cyclical) basis, nitrogen is separated from oxygen in a further column and the molecular sieve is flushed in the third column.

This method guarantees – in this way without an additional reservoir – a continuous oxygen flow. As a result, an extremely rapid oxygen concentration build-up is achieved directly after switching on the appliance.

**..... CONTINUOUS  
OXYGEN CONCENTRATION, ...**

**THE SAFE CONCENTRATOR**

With the oxygen concentrator from the Précise 6000 series you have chosen the right concentrator. Due to the use of state-of-the-art, wear-free sensor technology the appliance guarantees the user a safe supply of oxygen.

Comprehensive electronics permit:

- A permanent check of the oxygen concentration by means of wear-free ultrasonic sensor technology. Threshold display according to DIN EN ISO 8359 ("M" version).
- Continuous O<sub>2</sub> flow monitoring.
- Monitoring of the necessary operating pressure.
- Optical and acoustic signal in the event of a power failure.
- Monitoring of the function of the molecular sieve and the valve with automatic shutdown.
- Optical and acoustic signal if the permissible operating temperature is exceeded.

Cleverly devised electronics and software in conjunction with the display ensure the best possible information for the user

**..... INNOVATIVE, TRIED-AND-  
TRUSTED DURABLE TECHNOLOGY**

**OXYGEN MEASUREMENT ("M" VERSION)**

A wear-free ultrasonic sensor measures the oxygen concentration output. Measurement takes place continuously. Any possible deviation from the setpoint values is immediately signalled to the user in the display. The status display required by DIN is fully guaranteed. Three threshold values indicate the following to the user:

**O<sub>2</sub> NORMAL**

→ oxygen supply with more than 82 vol. %

**O<sub>2</sub> < (smaller than) 82 vol. %**

→ check the filter and flow rate respectively

**O<sub>2</sub> < (smaller than) 72 vol. %**

→ call the service technician, compressor switches off automatically

**THE DIAGNOSIS**

A comprehensive diagnosis system makes it easier for the service technician and specialised dealer respectively to precisely assess the fault on the telephone. This frequently enables a quick solution to the problem without any complicated service action.

At the push of a button the operator is provided with a multitude of information. Thus, the telephone number of the service unit, the software version and equipment of the appliance, time and date, current value of the oxygen concentration, pressure values of the molecular sieves, individual operating hours and total operating hours respectively, current interval time and the last three fault messages are displayed.

