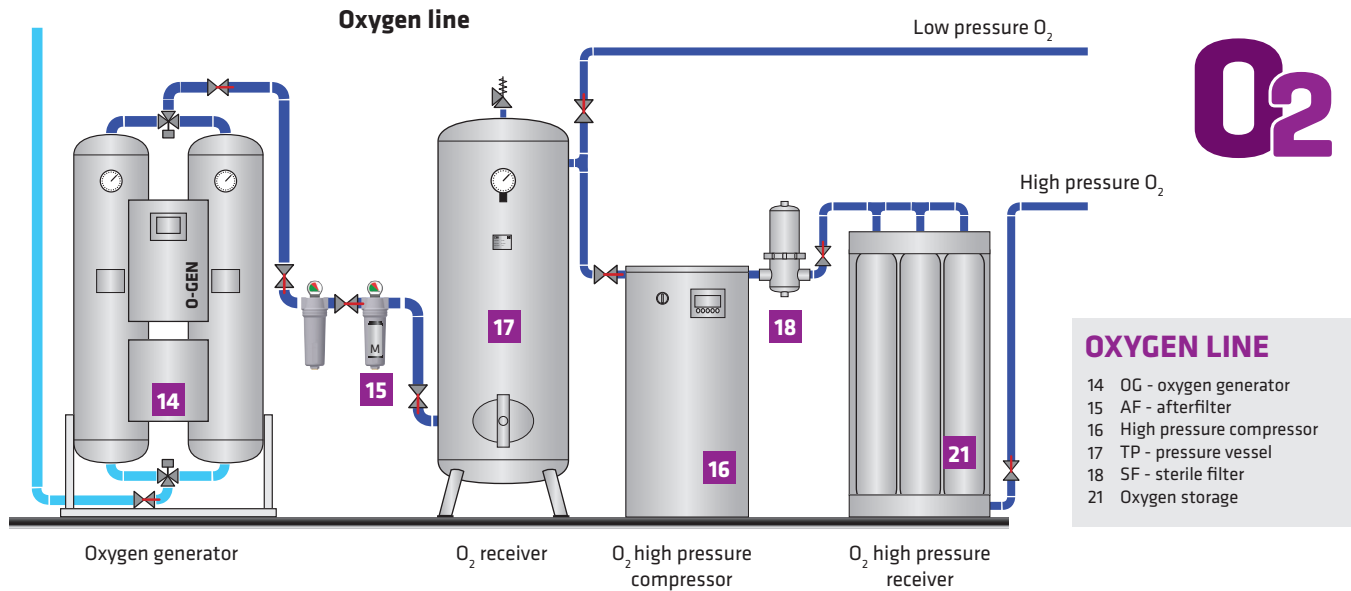


## Oxygen treatment products



**O-GEN**  
PSA oxygen generators

5-6 bar

Operating press.: 5 to 6 bar  
PDP: -60°C  
O<sub>2</sub> capacity: 0.97 to 99.4 Nm<sup>3</sup>/h  
N<sub>2</sub> purity: up to 95%

**OC-GEN**  
Compact PSA oxygen generators

2,5-4,3 bar

Operating press.: 2,5 to 4,3 bar  
PDP: <-50°C  
O<sub>2</sub> capacity: 0.41 to 3.68 Nm<sup>3</sup>/h  
N<sub>2</sub> purity: up to 95%

**AIR SKID, GAS SKID N<sub>2</sub>, GAS SKID O<sub>2</sub>, MEDI SKID**  
Compact PSA oxygen generators

Operating press.: 2,5 to 4,3 bar  
PDP: <-50°C  
O<sub>2</sub> capacity: 0.41 to 3.68 Nm<sup>3</sup>/h  
N<sub>2</sub> purity: up to 95%

**MEDI BOX**

O<sub>2</sub> purity: 93 % (up to 95 % available)  
Capacity: up to 44 Nm<sup>3</sup>/h (higher on request)  
Certification: ISO13485, MDD/MDR (optional)

**SYSTEM OUTPUT**

**5-6 bar**  
operating pressure

**-60°C**  
O<sub>2</sub> dew Point (at atm. pressure)

**up to 95 Nm<sup>3</sup>/h**  
flow capacity

**5°C to 50°C**  
operating temperature - feed air

**1.4.1 acc. to ISO 8573-1**  
filtration classes

**up to 95%**  
purity rates

Other technical specifications are project based and provided on request.

**EN ISO 13485:2016**

**EN ISO 13485:2016**

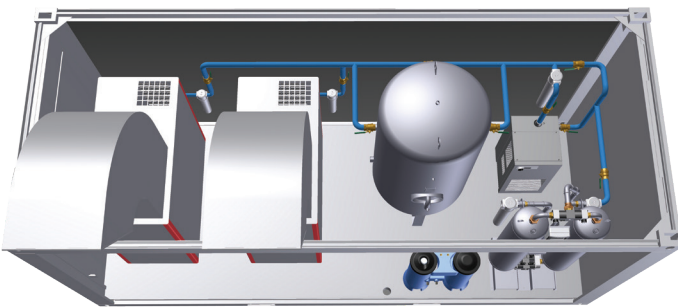
OMEGA AIR quality management system is certified according to ISO 9001:2015 and EN ISO 13485:2016.

| Field of use                    | Purity of the oxygen |
|---------------------------------|----------------------|
| Healthcare, veterinary medicine | 93 - 95 %            |

## AIR BOX, GAS BOX N<sub>2</sub>, GAS BOX O<sub>2</sub>, MEDI BOX

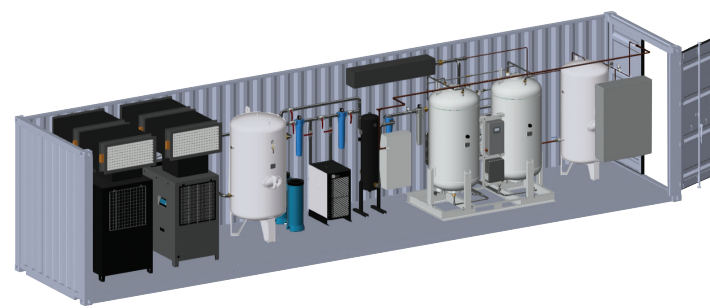
**STANDARD CONTAINER COMPRESSED AIR STATIONS**

Operating press.: up to 13 barg  
PDP: +3°C / -40°C (lower on request)  
Capacity: Up to 35 m<sup>3</sup>/min (higher on request)



**CUSTOM MADE CONTAINER NITROGEN AND OXYGEN STATIONS**

Operating press.: on request  
PDP: on request  
Capacity: on request



## Stationary compressed air stations



**OMEGA**  
**AIR**

OMEGA AIR d.o.o. Ljubljana

T +386 (0)1 200 68 00

info@omega-air.si

Cesta Dolomitskega odreda 10  
SI-1000 Ljubljana, Slovenia  
[www.omega-air.si](http://www.omega-air.si)

950438 - 06/2022



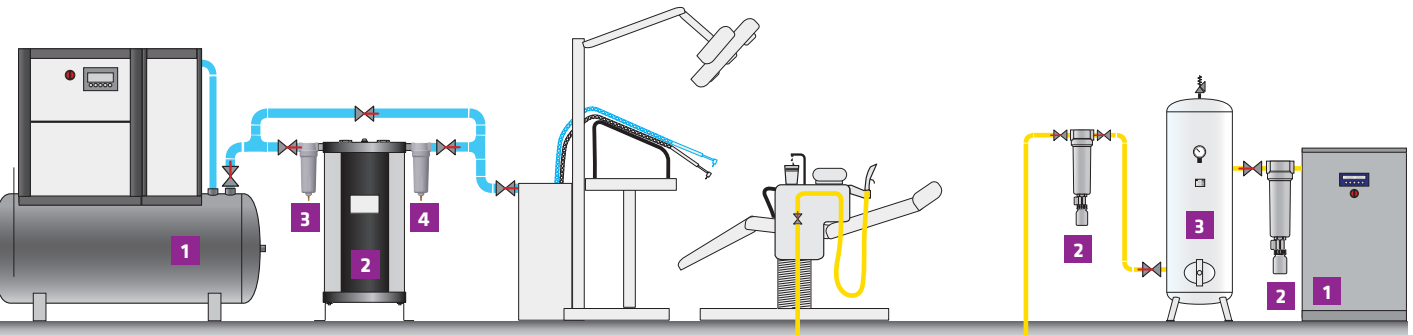
## Dental compressed air treatment

### DENTAL COMPRESSED AIR LINE

**Legend**

- 1 Screw compressor with refrigerated dryer and pressure vessel
- 2 MA-DRY - Medical adsorption compressed air dryer
- 3 MAF - Medical prefilter
- 4 MAF - Medical afterfilter

**Decentralized medical compressed air system**



### MEDICAL VACUUM LINE

**Legend**

- 1 Vacuum pump
- 2 M-VAC - medical vacuum filter
- 3 MTP - vacuum vessel

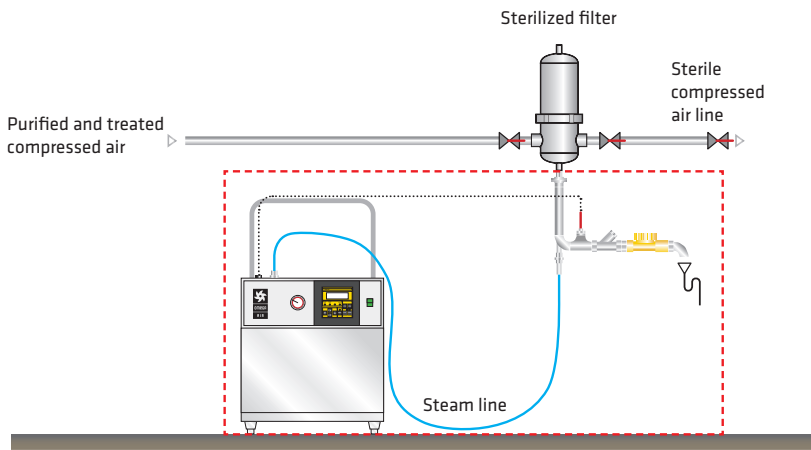
## Sterilization

### MOBILE STEAM STERILIZER

**MSS**

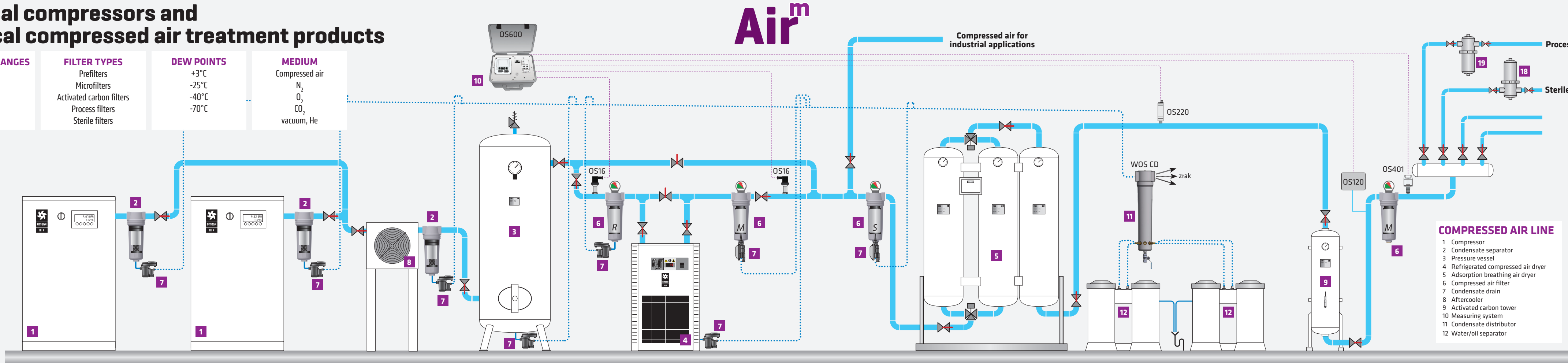


Power consumption: 1,7 kW  
Sterilization temp: 100-135 °C  
Sterilization time: up to 90 min



# Medical compressors and medical compressed air treatment products

| PRESSURE RANGES                                   | FILTER TYPES                                                                                 | DEW POINTS                      | MEDIUM                                                                              |
|---------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------------------------------------|
| 16 bar<br>50 bar<br>100 bar<br>250 bar<br>420 bar | Prefilters<br>Microfilters<br>Activated carbon filters<br>Process filters<br>Sterile filters | +3°C<br>-25°C<br>-40°C<br>-70°C | Compressed air<br>N <sub>2</sub><br>O <sub>2</sub><br>CO <sub>2</sub><br>vacuum, He |



## Compressed air filter elements - OMEGA AIR technology

| P GRADE                                                                                       | R GRADE                                                                                       | M GRADE                                                                                       | S GRADE                                                                                       | A GRADE                                                                                                        | VSF GRADE                                                                                     |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| prefilter 3 µm                                                                                | prefilter 1 µm                                                                                | microfilter 0.1 µm                                                                            | microfilter 0.01 µm                                                                           | activated carbon                                                                                               | sterile                                                                                       |
|                                                                                               |                                                                                               |                                                                                               |                                                                                               |                                                                                                                |                                                                                               |
| Quality class (ISO 8573-1)<br>• solids: 6<br>• oils: 3<br>Material: acrylic fibres, cellulose | Quality class (ISO 8573-1)<br>• solids: 3<br>• oils: 1<br>Material: borosilicate micro fibres | Quality class (ISO 8573-1)<br>• solids: 2<br>• oils: 2<br>Material: borosilicate micro fibres | Quality class (ISO 8573-1)<br>• solids: 1<br>• oils: 1<br>Material: borosilicate micro fibres | Quality class (ISO 8573-1)<br>• solids: 1<br>• oils: 1<br>Material: activated carbon borosilicate micro fibres | Quality class (ISO 8573-1)<br>• solids: 1<br>• oils: 1<br>Material: borosilicate micro fibres |

## ALTERNATIVE compressed air filter elements - OMEGA AIR technology

**COMPRESSED AIR LINE**

- Compressor
- Condensate separator
- Pressure vessel
- Refrigerated compressed air dryer
- Adsorption breathing air dryer
- Compressed air filter
- Condensate drain
- Aftercooler
- Activated carbon tower
- Measuring system
- Condensate distributor
- Water/oil separator

|                                                                                                      |                                                                                                                        |                                                                                                             |                                                                                                    |                                                                                            |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| ABAC<br>AGRE<br>AIRFILTER ENGINEERING<br>ALMIG<br>ALUP<br>ATLAS COPCO<br>ATS<br>BALMA<br>BEA<br>BEKO | BOGE<br>CECCATO<br>CHAUMECA<br>CHICAGO PNEUMATIC<br>CKD<br>COMPAIR<br>CTA CF<br>DELTECH<br>DOMNICK HUNTER<br>DONALDSON | EKOMAK<br>FIAC<br>FINITE<br>FUSHENG<br>HANKISON<br>HIROSHI<br>HITACHI<br>INGERSOLL RAND<br>KAESER<br>KNOCKS | KOBELCO<br>KSI<br>MARK<br>MATTEI<br>MAUGUIERE<br>MIKROPOR<br>OMI<br>ORION<br>PNEUMATECH<br>PREVOST | PUSKA<br>SCHNEIDER<br>SMC<br>SPX<br>SULLAIR<br>WALKER<br>WORTHINGTON CREYSSENSAC<br>ZANDER |
|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|

## SORBEO adsorbents - OMEGA AIR technology

|                                                 |                                       |                                                  |                                 |                                 |
|-------------------------------------------------|---------------------------------------|--------------------------------------------------|---------------------------------|---------------------------------|
| <b>SORBEO MS 3A, 4A, 10A</b><br>Molecular sieve | <b>SORBEO AA</b><br>Activated alumina | <b>SORBEO SGWS</b><br>Water resistant silica gel | <b>SORBEO SGW</b><br>Silica gel | <b>SORBEO SGR</b><br>Silica gel |
|                                                 |                                       |                                                  |                                 |                                 |
| <b>SORBEO AC</b><br>Activated carbon            | <b>SORBEO HC</b><br>Catalyst          | <b>SORBEO CMS</b><br>Carbon molecular sieve      | <b>SORBEO SGC</b><br>Silica gel | <b>SORBEO SL</b><br>Soda lime   |
|                                                 |                                       |                                                  |                                 |                                 |