

**SOLID**  
*air*

The Clever Compressor

# A tidy matter!

## Oil free piston compressors

### SOLIDdent



# Clever is when price and performance match.

When does a compressor turn into a clever compressor? Quite simple: when every customer is certain they are getting the best compressor for their money! That is precisely what the name SOLIDair stands for: We manufacture and sell piston compressors up to 7,5 kW, special dental compressors and screw compressors up to 22 kW. Our customers range from DIY enthusiasts to craftsmen, builder and small industrial users. Every SOLIDair compressor comes with a clear promise: best performance and long service life at the respective best price. Clever makes the difference:  
**ask your specialist dealer for SOLIDair!**





# Clean. Safe. SOLIDdent.

In sensitive areas of application such as in medicine and the oil-free industry, particularly high requirements are placed on the compressed air supply. Besides a fail-safe supply, what counts most here is absolutely clean compressed air quality. Our SOLIDdent product range is designed to meet just these challenges: oil-free piston compressors which are reliable, sturdy, maintenance-free and quiet-running. SOLIDdent compressors have proven their worth time and again - in dental surgeries, laboratories, in medical technology, hospitals and wherever high-quality compressed air is required. This re-engineered range with its flexibly graduated performance paves the way for customised production: proven technology at an honest price!

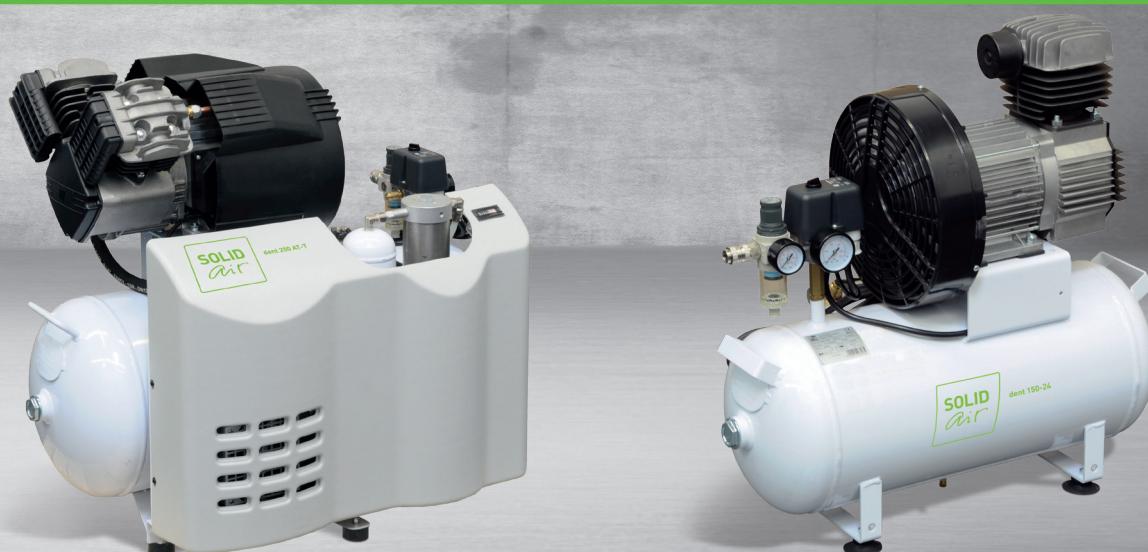
## Special features of oil-free compressor units

- Low-maintenance piston mechanism thanks to fine-ribbed "Nipolid"-lined aluminium cylinder
- Piston sealing strips made of high-grade Teflon
- Special design big-end bearings for smooth, wear-free running
- Rigorously tested in a stage-by-stage quality management process

## Convincing quality

- All compressed air receivers lined with epoxy resin and made to the European Pressure Equipment Directive
- All compressors type-tested and with CE marking: no need for initial commissioning testing through a central inspection body
- Supply package includes: high-grade Condor quality pressure switch, quality pressure reducer, two pressure gauges, rubber feet or wheels, quick-release coupling
- Supplied ready to connect, all 230V appliances include mains cable with plug \*
- Controlled cooling air circulation through the housing: no overheating with correct compressor design
- Quiet running, optional, improved sound insulation available.

\*SOLIDdent 500-T without plug0



# SOLIDdent BASIC with adsorption dryer and sound insulation

A quiet workplace is a certainty when you use the silenced SOLIDdent BASIC with an adsorption dryer.

Sound levels are between 57 and 62 dB(A). This means the compressor can be used right at the workplace.

The attached adsorption dryer additionally provides uncompromisingly dry compressed air.

- Single-stage, low-speed directly-coupled compressor
- Maximum pressure: 8 bar
- Wear-free compressor mechanism thanks to "Nipolid" lined cylinders and piston sealing strips in high-grade Teflon
- Corrosion-resistant compressed air receiver lined with epoxy resin
- High-grade Condor quality pressure switch
- Ready to connect, and comes with pressure reducing valve, cable and plug
- Downstream single-tube adsorption dryer with a dew point of approx. -20 °C  
Includes precooler with filter water separator
- Low sound level: quiet, low-vibration operation

SOLIDdent	suction capacity l/min	effect. free air delivery* l/min	air receiver volume litre	max. pressure: bar	motor rating kW	mains voltage compressor (50 Hz) Volt	compr. ratinal speed rpm/min	com- pressor cyl./stage	sound (pressure) level ** dB(A)	dentist's chairs	dimensions WxDxH (mm)	weight kg
200 AT-TS	200	150	50	8	1.5	230V	1450	2/1	57	2	840x635x925	72
250 AT-TS	250	188	50	8	1.8	230V	1450	2/1	57	2-3	840x635x925	72
100 C-TS	100	62	6	8	0.75	230V	1450	1/1	57	1	880x255x590	41
200 NC-TS	200	150	24	8	1.5	230V	1450	2/1	55	2	490x670x840	105
250 NC-TS	250	188	24	8	1.8	230V	1450	2/1	55	2-3	490x670x840	105

\* Free air delivery at 6 bar to VDMA 4362; \*\* Sound pressure level according to EN ISO 3744 at 4 m distance



# SOLIDdent duplex systems with adsorption dryer

The high-performance SOLIDdent duplex systems were developed to meet increased compressed air requirements or to cater for uses where compressed air availability is of particular importance.

One of the units in duplex systems serves as a safety reserve. Two additional attached adsorption dryers guarantee absolutely dry compressed air.

- Two-stage, low-speed directly-coupled compressors
- Maximum pressure: 8 bar
- Wear-free compressor mechanism thanks to "Nipolid" lined cylinders and piston band of high-grade Teflon
- Corrosion-resistant compressed air receiver lined with epoxy resin
- High-grade Condor quality pressure switch
- Ready to connect, and comes with pressure reducing valve, cable and plug\*
- Downstream single-tube adsorption dryer with a dew point of approx. -20 °C
- Includes precooler with filter water separator

\*SOLIDdent 500-T without plug

SOLIDdent	suction capacity l/min	effect. free air delivery* l/min	air receiver volume litre	max. pressure: bar	motor rating kW	mains voltage compressor [50 Hz] Volt	compr. ratinal speed rpm/min	com- pressor cyl./stage	sound (pressure) level ** dB(A)	dentist's chairs	dimensions WxDxH (mm)	weight kg
400 AT-T	2x200	2x150	100	8	2x1.5	230V	1450	2/1	67	4	1270x710x790	122
500 AT-T	2x250	2x188	100	8	2x1.8	230V	1450	2/1	68	5	1270x710x790	122

\*\* Free air delivery at 6 bar to VDMA 4362; \*\*\* Sound pressure level according to EN ISO 3744 at 4 m distance



## Single-tube adsorption dryer with precooler

All compressors can be supplied with a downstream single-tube adsorption dryer: for high-quality dry compressed air. The air temperature is lowered considerably in the precooler and condensate is discharged through a filter water separator. The air then passes through a stainless steel tube filled with hygroscopic granules. The granules extract moisture from the compressed air down to a dew point of -20 °C. When the compressor is switched off, the previously stored regenerative compressed air is passed over the granules in a counterflow arrangement through a solenoid valve. This discharges the moisture stored in it. The granulated material regenerates itself and so retains its ability to function.

# SOLIDdent BASIC with adsorption dryer

This stationary piston compressor is especially suitable for areas requiring dry oil-free compressed air but not necessitating a particularly low sound level.

- Single-stage, low-speed directly-coupled compressor
- Maximum pressure: 8 bar
- Wear-free compressor mechanism thanks to "Nipolid" lined cylinders and piston bands of high-grade Teflon
- Corrosion-resistant compressed air receiver lined with epoxy resin
- High-grade Condor quality pressure switch
- Ready to connect, and comes with pressure reducing valve, cable and plug
- Downstream single-tube adsorption dryer with a dew point of approx. -20 °C
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SOLIDdent	suction capacity l/min	effect. free air delivery* l/min	air receiver volume litre	max. pressure: bar	motor rating kW	mains voltage compressor (50 Hz) Volt	compr. ratinal speed rpm/min	com- pressor cyl./stage	sound (pressure) level ** dB(A)	dentist's chairs	dimensions WxDxH (mm)	weight kg
200 AT-T	200	150	50	8	1.5	230V	1450	2/1	67	2	840x490x715	60
250 AT-T	250	188	50	8	1.8	230V	1450	2/1	67	2-3	840x490x715	60

\* Free air delivery at 6 bar to VDMA 4362; \*\* Sound pressure level according to EN ISO 3744 at 4 m distance



# SOLIDdent BASIC

The high-performance SOLIDdent BASIC is used for areas requiring a reliable supply of oil-free compressed air but not placing any particular demands on sound levels, and where residual moisture in the air is not a problem.

- Single-stage, low-speed directly-coupled compressor
- Maximum pressure: 8 bar
- Wear-free compressor mechanism thanks to "Nipolid" lined cylinders and piston bands of high-grade Teflon
- Corrosion-resistant compressed air receiver lined with epoxy resin
- High-grade Condor quality pressure switch
- Ready to connect, and comes with pressure reducing valve, cable and plug

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150-24	150	110	24	8	1.1	230V	1400	1/1	68	1-2	650x285x630	30
200-50	200	150	50	8	1.5	230V	1450	2/1	67	2	890x330x695	47
250-50	250	188	50	8	1.8	230V	1450	2/1	67	2-3	890x330x695	47

\* Free air delivery at 6 bar to VDMA 4362; \*\* Sound pressure level according to EN ISO 3744 at 4 m distance



## Our range of Clever Compressors:

- Piston compressors up to 7.5 kW
- Screw compressors up to 22 kW
- Special dental compressors

SOLIDair compressors, accessories  
and service are available in approved  
trade outlets!

SOLIDair is a brand of the BOGE Group

### **BOGE KOMPRESSOREN**

#### **Otto Boge GmbH & Co.KG**

Postfach 10 07 13 · 33507 Bielefeld  
Otto-Boge-Straße 1-7 · 33739 Bielefeld  
Fon +49 5206 601-0  
Fax +49 5206 601-539  
[info@solidair.de](mailto:info@solidair.de) · [www.solidair.de](http://www.solidair.de)

