

AGENDA

1. Market

- Applications
- Sales channels

2. Range

- Overview
- Designations

3. Product

- Overview
- Features & Benefits
- Working principle

4. Competition

- Overview
- Positioning

5. Sales

- Material
- Pricing & Timing



TARGET MARKET = OIL FREE APPLICATIONS

1. Market

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❖ Dental



Compressed air used for

Pneumatic tools



Pneumatic dental chairs
 (BUT most are electrical and don't use compressed air)



Sizing?

- Often done by specialized distributor of dental supplies
- 2. FAD @ 5 bar commonly used
- 3. Number of recommended dental units* indicated in leaflet and grouping
- 4. 1 Dental unit = 1 Dental chair + pneumatic tools

^{*}Recommended dental units based on an electrical chair

	Dental units *	Displacement	Free Air Delivery @ 5 bar	
Model	±	I II Vmin		
CLR 15/25	1-2	240	125	

^{*} Dental units are calculated on an average consumption of 50 Lt/min FAD @ 5 bar

TARGET MARKET = OIL FREE APPLICATIONS

***** Laboratories

Market

Applications

- Food packaging
- Drink dispensing









...and many others, find out more at

oilfreecompressors.eu

SALES CHANNELS

Market

- Sales Channels

Dental



- **Specialized distributor of dental supplies**
 - Offering various products targeted towards dentists:



Compressors



Dental chairs



Tools



Example

Stools

























...and much more

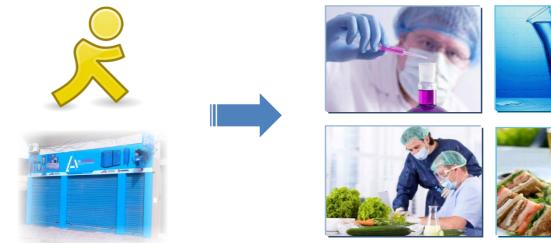
1. Market

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SALES CHANNELS

- ***** Laboratories
- Food packaging
- Drink dispensing
- *****

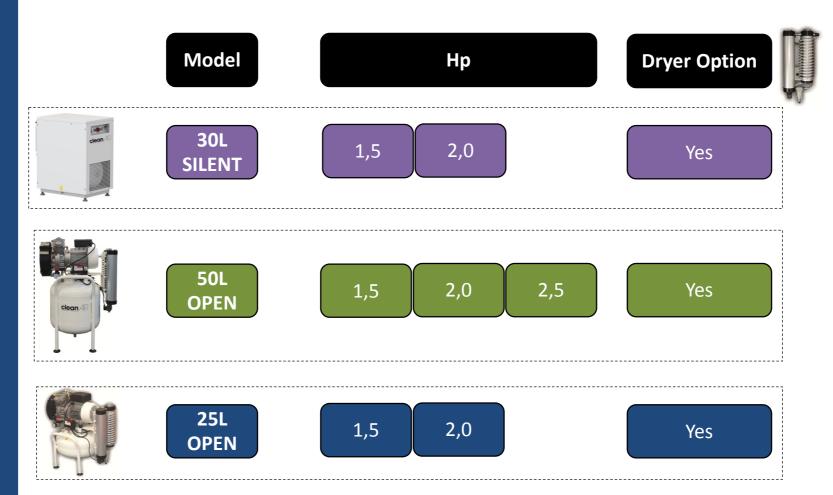
Direct & Indirect





RANGE OVERVIEW

- 1. Market
- 2. Range
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- Technology : **100% oil free**
- Displacement: 240 480 l/min
- Approvals : CE/IEC (230/1/50)
- Max pressure : 8 bar
- Noise: 64 77 dB(A) | LpA @ 1 meter

MODEL DESIGNATIONS

- Market
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Designation	CLR	20	/50	S	Т	UK
Translation	Description	Power (Hp) x 10	Vessel (L)	With Canopy	With Dryer	UK plug

Model

CLR 15/25

CLR 15/25 T

CLR 15/50

CLR 15/50 T

CLR 15/30 S

CLR 15/30 S T

CLR 20/25

CLR 20/25 T

CLR 20/50

CLR 20/50 T

CLR 20/30 S

CLR 20/30 S T

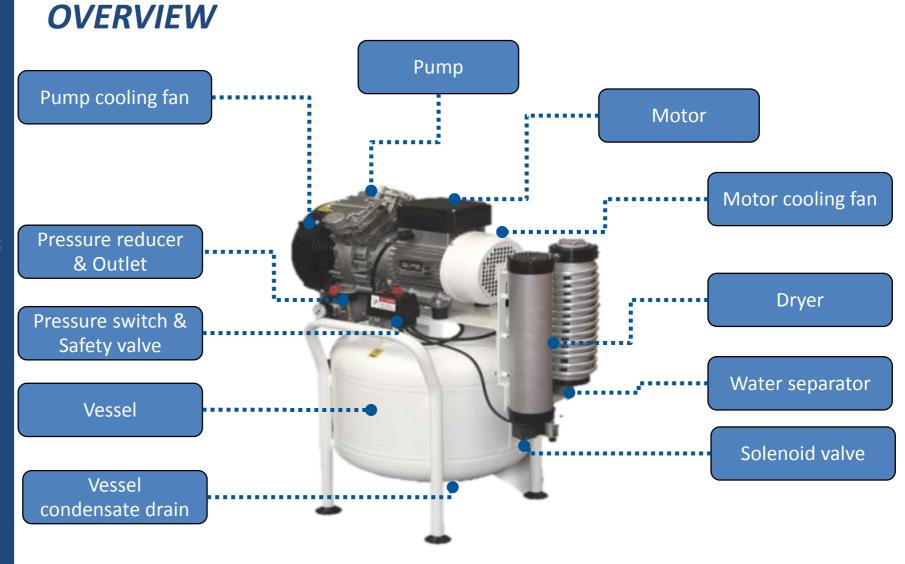
CLR 25/50

CLR 25/50 T





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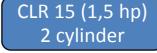
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FEATURES & BENEFITS

Pump

- 100% oil free compression offering the user complete peace of mind
- Direct coupled motor/pump design
 for minimal transmission losses and optimal performance
- V-configuration
- One stage compression
- 2 or 4 cylinder







CLR 20 (2,0 hp) 2 cylinder



CLR 25 (2,5 hp) 4 cylinder

Pump cooling fan

Optimal cooling for safe operation



1 Market

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FEATURES & BENEFITS

Motor

- IP44
- Duty cycle 50%
- Automatic thermal protection for safe operation
- Motor cooling fan
- Mounted on 4 anti-vibration dampers



Vessel

- Vessels treated internally with epoxy coating
 - Avoid corrosion
 - Extend lifetimes
 - Assure safe operation
- Rubber feet pads for stability



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FEATURES & BENEFITS

- Pressure switch
 - Condor
- Pressure reducer & Outlet
 - Clear readings & simple operation





Dryer & Water separator

- Adsorption dryer with silica gel
- Dew point down to -40 °C *
 * Duty cycle of 50% has to be respected
- Water separator with low pressure drop (automatic drain when set to automatic mode)
- Dryer HTM 2022 compliant





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FEATURES & BENEFITS

- Silencing canopy
 - Sound insulated canopy to ensure low noise and installation close to user
 - Additional cooling fan inside canopy to assure cool and safe operation









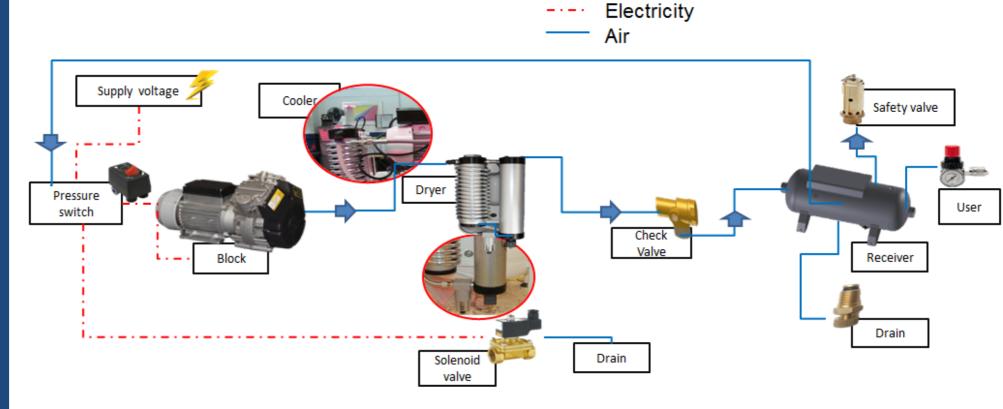




WORKING PRINCIPLE - OPEN COMPRESSORS

clean AR

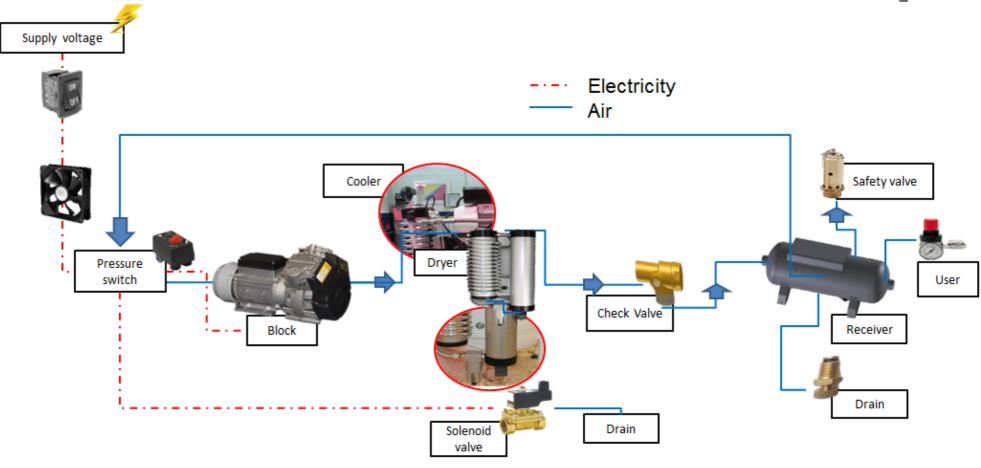
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WORKING PRINCIPLE – SILENT COMPRESSORS

clean

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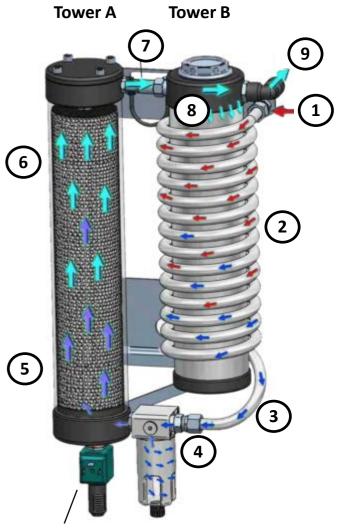


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WORKING PRINCIPLE - DRYER

Compressor in operation

- 1. Hot compressed air from compressor
- 2. Cooled down in cooling coil
- Cool compressed air with high concentration of water
- 4. Water separator eliminates water droplets condensed in the cooling coil
- Cool compressed air goes up in Tower A passing through the silica gel
- 6. Dry compressed air with dew point down to -40 °C
- 7. Passing through the check valve
- 8. Dry compressed air fills up Tower B
- 9. Dry compressed air is delivered into the vessel



Solenoid valve remains closed while compressor is running

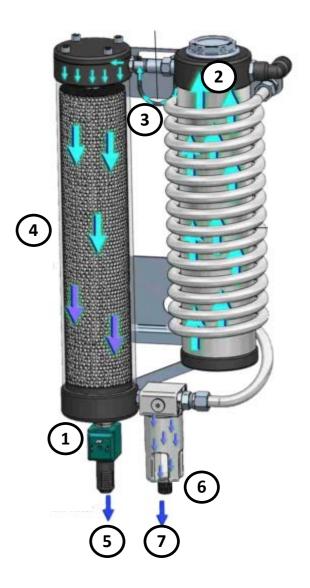
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WORKING PRINCIPLE - DRYER

Compressor switched off

- Solenoid valve opens when the compressor switches off (signal from pressure switch)
- Dry compressed air that had filled Tower B escapes backwards
- 3. Returns with reduced flow
- Dry compressed air regenerates the silica gel in Tower A (regeneration time takes about 1 min)
- 5. Air and water out
- 6. Drain valve of water separator opens automatically as air pressure drops (if set to automatic mode)
- 7. Air and water out

Tower A Tower B





COMPETITION OVERVIEW

- Premium priced
 - DURR (market leader)
 - Atlas Copco (LFx Dental)
 - Kaeser

Competition

Overview



- CleanAIR
- Cattani
- MGF
- Gentilin
- FINI
- JunAIR







Value priced











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POSITIONING

CleanAIR vs. Premium priced

- Lower priced market is competitive and price is a factor
- Scope of supply inline with competition (configurations, silencing canopy and dryer options)
- Adsorption dryer Integrated dryer with silica gel to reach very dry air -40 °C PDP (superior "dryness" vs. membrane dryers that is sometimes used)
- Duty cycle Designed for the application
 (Dental applications don't use compressed air 100% of the time)





CleanAIR vs. Value priced

- Competitive price Great value vs. value priced competition
- Scope of supply inline with competition (configurations, silencing canopy and dryer options)
- **Adsorption dryer** Integrated dryer with silica gel to reach very dry air -40 °C PDP (superior "dryness" vs. membrane dryers that is sometimes used)
- Duty cycle Inline with competition
 (Dental applications don't use compressed air 100% of the time)
- Part of Atlas Copco group Trust, reassurance, quality...





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MATERIAL

On Business Portal

- Launch PPT presentation
- Sales leaflet
- Grouping file (all models and technical data)
- Dimension drawings
- Instruction manual
- Spare parts list (in "Service Connect Pistons". Enter in unit item nr. 4116...")

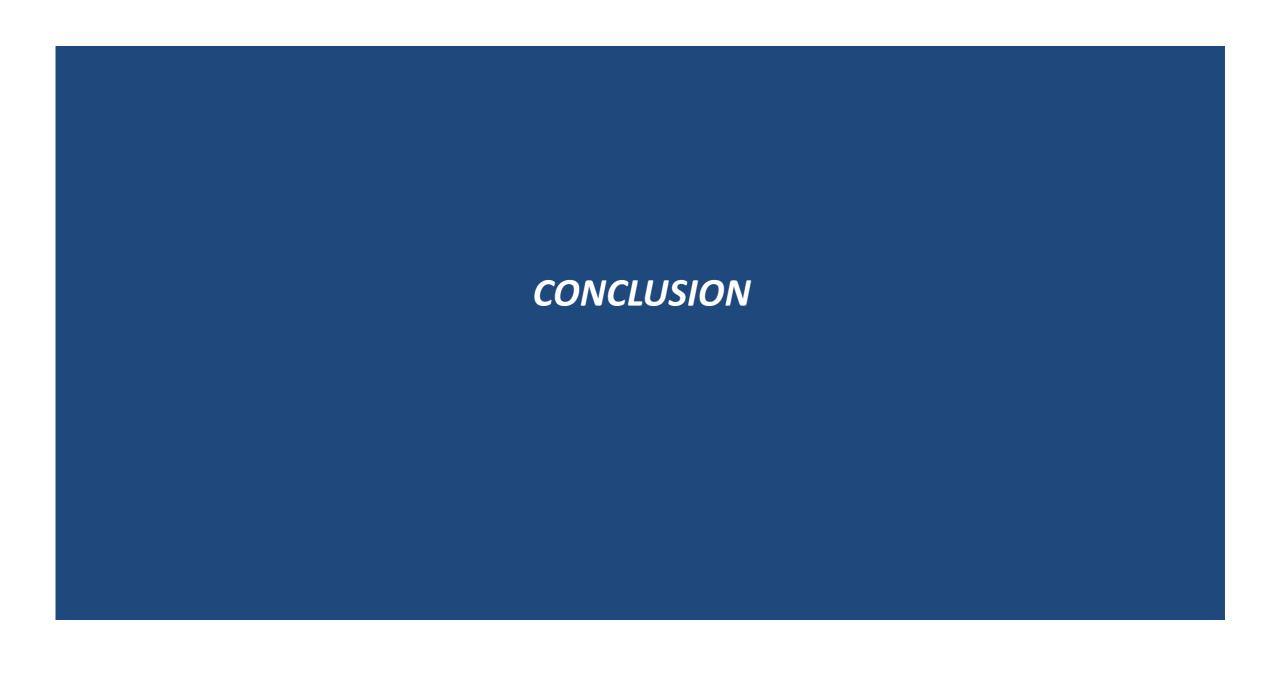
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On the Web

CleanAIR added to... <u>oilfreecompressors.eu</u>







CONCLUSION

FEATURE	Oil-free compression	Adsorption dryer with silica gel	Epoxy coated vessels	Silencing canopy
ADVANTAGE	No risk of oil contamination	Dewpoint down to -40 °C	Avoid corrosion	Low noise
CUSTOMER BENEFIT	Peace of mind	Premium dry air quality	Long lifetime and safe operation	Installation close to user









