



# OIL-LESS COMPRESSORS

## Generate the power

Cattani oil-less compressors are hand-built to produce high performance systems at affordable prices and are renowned throughout the industry for their performance and reliability.

Our compressor head assemblies have always included Teflon coated pistons and piston rings requiring no replacement during their lifetime. The receivers are food quality Teflon coated inside and out for storage of clean dry air. Cattani use the simplest drying system, incorporating a self-purging drying column, requiring minimal maintenance.

The Cattani Aria, ideal for one, two or three surgeries. Very compact and quieter to run, the Aria compressor is fully HTM2022 compliant as standard and includes an hour meter for accurate servicing.

We have a full range of oil-less compressors, from single surgery to bespoke systems for hospitals. This means that there is a compressor in our range to suit the requirements of your clinic.

Cattani oil-less compressors are all supplied with a 5 year guarantee for all components (subject to servicing terms and conditions).

## The driving force for dentists

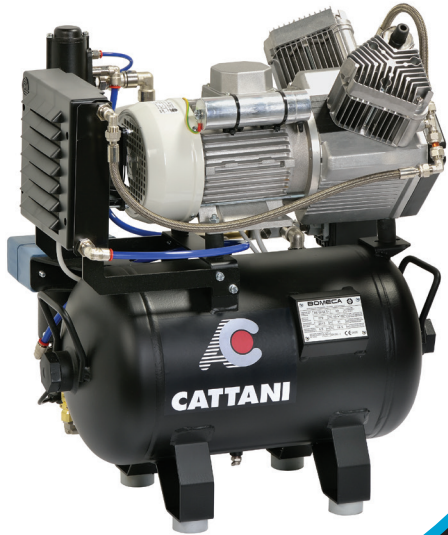
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## Features and benefits include:

- Precision design for superior performance
- Oil free, which can:
  - Increase life-span of air-driven equipment
  - Improve success of cementation and bonding procedures
  - Reduce healing failures
- Provides extremely high purity, dry, compressed air
- All tanks are internally coated to maintain air quality
- Extensive range to suit any situation and surgery
- Cost-effective air delivery
- Dryer and noise reduction options:
  - Acoustic hood lowers by about 10dB(A)
  - Acoustic cabinet lowers by about 20dB(A)
- Additional sterilising filter, which is 99.9999+% effective at 0.01 micron particles
- Outstanding reliability
- Simple, low maintenance
- 5 year guarantee for all components (subject to servicing terms and conditions)
- NHS compliant (\*).

## • Compressed Air

The air compressor is one of the most important pieces of equipment in any dental surgery. The success of a dental practice is dependent not only on the reliability of the compressor but, also the quality of the air it supplies. It is of paramount importance for protecting patient and staff health, not to mention maximising longevity of dental equipment and handpieces.

Cattani Oil-less Compressors have an outstanding reputation for reliability and durability. Complete with drying system and a set of filters, they supply clean, dry, compressed air of extremely high quality and purity. With a sterilising filter, air is treated with an efficiency of 99.9999+% on 0.01 um particles.

## • Single Surgery

The Cattani C100 Compressor is designed for single surgery use. This 1 cylinder model has a desiccant drying system to ensure the efficient delivery of clean, dry air and is supplied with a high quality SMC pressure switch. Variations are available with dryer and, noise reduction options.

## • Multiple Surgeries

Cattani's comprehensive range comprises of 2, 3 and 6 cylinder, twin or triple head compressors, depending on the scale and performance that multiple surgeries require:

- C300: 2 cylinder for 2 - 3 surgeries
- C400: 3 cylinder for 4 - 6 surgeries
- C600: 2 cylinder tandem for 6 - 8 surgeries
- C800: 3 cylinder tandem for 8 - 14 surgeries
- C1200: 3 cylinder triple for 14 - 18 surgeries
- C1600: 6 cylinder tandem for 18 - 28 surgeries
- C2400: 6 cylinder triple for 28 - 48 surgeries
- Blok-Jet: 6 cylinder for 25+ surgeries.

All Cattani Compressors are supplied with a high quality SMC pressure switch and, use a desiccant drying system rated for continuous flow. Varying sizes of drying systems are available for the different compressor sizes.

The Company's Blok-Jet systems are designed for use by organisations with over 100 dental units, for example, hospitals, large health centres, university faculties and teaching facilities. Blok-Jet consists typically of 6 cylinder compressor heads, assembled into one or more common frames, a centralised drying system and control panel.





## • Noise Control

Not only do Cattani Compressors lead the industry in terms of unbeatable performance and reliability, they are some of the lowest noise oil free compressors available. Acoustic hoods and cabinets can reduce noise levels by a further 10dB(A) and 20dB(A) respectively.



## • Accessories

An extensive range of accessories is available to enhance the various compressor systems and performance, including:

- o Deadening boxes
- o Balston in-line filters
- o Regulator, gauges and fitting kits
- o Sterile air up-grade kits



## • Selection

Selecting the correct size of compressor is vital. An undersize compressor will result in premature failure and reduced power through handpieces and other instruments at peak times.



## • Installation

It is most important that the compressed airline is designed correctly to ensure airflow is distributed evenly to surgeries and, that air inside the pipe doesn't form condensate by being exposed to large temperature differentials.

## • Temperature

Reliability and longevity of the compressor system are dependent on the temperature of the plant area, which should not exceed a maximum of 35°C. Investing in good ventilation or air-conditioning will payback many times over and, it's one of the wisest decisions a practice can make regarding plant equipment.

## • Ventilation

Plant areas should have at least two vents, one high level, which may be required to be fan assisted to remove hot air and, one at low level to allow cool air to be circulated. Air conditioning may be an option dependent on the size and position of the plant area.

Equipment installed inside the surgery still needs to be ventilated, even if the room is air conditioned. A compressor and suction unit installed in the same room can generate a lot of heat. Placing both together is often common practice although not advised, as the suction motor outlet air, if not exhausted correctly, can be drawn into the compressor inlets thereby creating cross infection issues.

## • Experience

At Cattani, we don't just provide compressed air solutions, we also provide our specialist knowledge and experience. Whether advice is needed to plan a pipe network, a plant room or a system for a surgery with particular requirements, we're happy to assist however we can.

## • Maintenance

Cattani oil-less compressors are supplied with a 5 year guarantee for all components (subject to servicing terms and conditions). These high performance machines are low maintenance. Just change the preliminary filter every six months and periodically empty the condensate bottle.

## • Service & Support

Cattani ESAM UK Limited has a well earned reputation for providing superlative technical support and a professional, rapid and reliable after-sales service.

## • Technical Data

D model = with dryer    DH model = with dryer & hood    (\*) NHS Compliant

Model	Product Code	Produced Air L/Min	Ltrs	Power	Volts/Hz	dB(A)	Net KG	Size mm
<b>Single Surgery – 1 cylinder</b>								
C100	013170	67.5NI/min @ 5 bar	30	0.55 Kw 3.8A	230/50	70	38	W620 D460 H720
C100D	013130					70	47	W620 D460 H720
C100DH	013150					63	57	W660 D600 H860
HTM Upgrade (*)	070RHTM							
Noise Reducing Cabinet	010810					51.5	75	W650 D650 H895
<b>2 - 3 Surgery – 2 cylinder</b>								
C300	013270	160NI/min @ 5 bar	30	1.2 Kw 7.7A	230/50	72	46	W620 D460 H720
C300D	013230					72	54	W620 D460 H720
C300DH	013250					63	63.5	W660 D600 H860
HTM Upgrade (*)	070RHTM							
Noise Reducing Cabinet	010820					51.7	95	W730 D730 H945
<b>4 - 6 Surgery – 3 cylinder</b>								
C400	013371	238NI/min @ 5 bar	45	1.5 Kw 10.2A	230/50	73.6	57	W620 D520 H750
C400D	013320					73.6	64	W620 D520 H750
C400DH	013350					68	80	W710 D700 H970
HTM Upgrade (*)	070RHTM							
Noise Reducing Cabinet	010830					51.85	110	W730 D730 H1125
<b>6 - 8 Surgery – 2 cylinder tandem</b>								
C600D	013430	320NI/min @ 5 bar	100	1.5 Kw 10.2A	230/50	73	112	W1155 D550 H745
C600DH	013451			2.4 Kw 15.4A		63.8	135	W1160 D650 H890
HTM Upgrade (*)	070RHTM							
<b>8 - 14 Surgery – 3 cylinder tandem</b>								
C800D	013509	476NI/min @ 5 bar	150	3.0 Kw 7.2A	230/50	74	137	W1320 D590 H890
C800DH	013551			3.0 Kw 7.2A		70.4	169	W1320 D770 H1040
HTM Upgrade (*)	070RHTM							
<b>14 - 18 Surgery – 3 cylinder triple</b>								
C1200D	013599	714NI/min @ 5 bar	300	4.5 Kw 11.1A	415/50	75	260	W1800 D810 H1000
HTM Upgrade (*)	070RHTM3							
<b>18 - 28 Surgery – 6 cylinder tandem</b>								
C1600D	013595	952NI/min @ 5 bar	300	9.0 Kw 19.4A	415/50	81	303	W1800 D880 H1100
HTM Upgrade (*)	070RHTM4							
<b>28 - 48 Surgery – 6 cylinder triple</b>								
C2400D	013594	1428NI/min @ 5 bar	300	13.5 Kw 29.18A	415/50	82.5	394	W1800 H1100 D1100
HTM Upgrade (*)	070RHTM6							

All compressors are available in three phase as no cost option

**For further information, please contact**

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