



# **OIL-LESS COMPRESSORS** **SINGLE & MULTIPLE SURGERY**

HIGH QUALITY, CLEAN, DRY AIR



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# CATTANI OIL-LESS COMPRESSORS HAVE AN OUTSTANDING REPUTATION FOR RELIABILITY AND DURABILITY



## OIL-LESS COMPRESSORS

Complete with drying system and a set of filters, they supply clean, dry, compressed air of extremely high quality and purity.

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.

All our compressor head assemblies include special coated pistons requiring no replacement during their lifetime and our receivers are coated with BioCote® Silver Ion Technology which delivers highly effective protection against microbes such as bacteria and mould. Permanent antimicrobial protection, guaranteed.



Cattani have a full range of compressors available from single surgery to bespoke solutions (up to 250 chairs) for hospitals, universities and the MOD.



AC300



AC600

# SMARTAPP REGISTRATION PROTECT YOUR WARRANTY

Registration is free and will ensure you receive the full product warranty.



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

AC100 1 cylinder - 1 surgery

AC200 2 cylinder - up to 3 surgeries (running simultaneously)

AC300 3 cylinder - up to 4 surgeries (running simultaneously)

AC400 2 cylinder tandem - up to 6 surgeries (running simultaneously)

AC600 3 cylinder tandem - up to 9 surgeries (running simultaneously)

AC900 3 cylinder triple - up to 14 surgeries (running simultaneously)

AC1200 6 cylinder tandem - up to 19 surgeries (running simultaneously)

AC1800 6 cylinder triple - up to 28 surgeries (running simultaneously)

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.

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.



AC100



AC200



The Cattani-Esam Group designed and manufactured one of the scientific components in the famous **NASA** space shuttle. Due to our reputation for reliability, Ferrari Engineering (supplier of European Space Agency) selected us as one of its prestigious suppliers for the production of a 180 gram compressor, which reached a pressure of 38 bar.



## INSTALLATION

It is most important that the airline is designed and routed correctly to ensure the airflow is distributed evenly to all surgeries. When routed correctly the air inside the pipework will not be exposed to large changes in temperature, ensuring condensation does not form in the pipework.

## 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 system is key to looking after your equipment long term.

## 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.

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.



AC1800

Compressor filters provide superior air purification, however these can be further upgraded to HEPA H14 filters providing an even higher level of filtration.

Hand built and quality checked at every stage of production and fully conform to ISO standard 22052.

All Cattani Compressors are supplied with a 5 year warranty\*. An additional 2 year warranty\* can now also be purchased, increasing the warranty from 5 to 7 years.

Cattani compressors when correctly specified will deliver the minimum requirements of 50 litres/minute per chair (at 5bar pressure) when running simultaneously.

\* Warranties are subject to Terms and Conditions of servicing schedule. Registration on SmartApp should be completed by an engineer upon installation and is a requirement of the units warranty (see our terms and conditions for further information). Additional 2 year warranty must be purchased with the unit at point of sale.



AC100, AC200 and AC300 models can be supplied with a **Sound-Reducing Hood** or fitted into a **Sound-Reducing Cabinet**.

AC400 and AC600 models can be fitted only with a **Sound-Reducing Hood**.

For our larger systems, AC900, AC1200, AC1800 and larger it is recommended that you sound proof the room.



Noise reducing hood



Noise reducing cabinet  
Product Code: 010800

## Compressor Technical Data

AC model = with dryer AC Q model = with dryer & hood

Model	Product Code	Produced Air L/Min	Ltrs	Power	dB(A)	Net KG	Size mm
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### 1 Surgery – 1 cylinder

AC100	H13130	67.5NL/min @ 5 bar	30	50Hz 0.55Kw 3.8A	70	47	W620 D460 H720
AC100Q	H13150	67.5NL/min @ 5 bar	30	50Hz 0.55Kw 3.8A	63	57	W660 D600 H860

### Up to 3 Surgeries running simultaneously – 2 cylinder

AC200	H13230	160NL/min @ 5 bar	30	50Hz 1.2Kw 7.7A	71	54	W620 D460 H720
AC200Q	H13250	160NL/min @ 5 bar	30	50Hz 1.2Kw 7.7A	63	64	W660 D600 H860

### Up to 4 Surgeries running simultaneously – 3 cylinder

AC300	H13330	238NL/min @ 5 bar	45	50Hz 1.5Kw 10.2A	73.6	65	W620 D520 H750
AC300Q	H13350	238NL/min @ 5 bar	45	50Hz 1.5Kw 10.2A	68	80	W720 D600 H970

### Up to 6 Surgeries running simultaneously – 2 cylinder tandem

AC400	H13430 1~	320NL/min @ 5 bar	100	50Hz 2.4Kw 15.4A	73	112	W1155 D550 H745
	H13435 3~			50Hz 3Kw 7.2A			
AC400Q	H13451 1~	320NL/min @ 5 bar	100	50Hz 2.4Kw 15.4A	63.8	135	W1160 D650 H890
	H13450 3~			50Hz 3Kw 7.2A			

### Up to 9 Surgeries running simultaneously – 3 cylinder tandem

AC600	H13530 1~	476NL/min @ 5 bar	150	50Hz 3Kw 22A	74	137	W1320 D590 H890
	H13535 3~			50Hz 3Kw 7.2A			
AC600Q	H13550 3~	476NL/min @ 5 bar	150	50Hz 3Kw 7.2A	70.4	169	W1320 D770 H1040

### Up to 14 Surgeries running simultaneously – 3 cylinder triple

AC900	H13599 3~	714NL/min @ 5 bar	300	50Hz 4.5Kw 11.1A	75	260	W1800 D810 H1000
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### Up to 19 Surgeries running simultaneously – 6 cylinder tandem

AC1200	H13595 3~	952NL/min @ 5 bar	300	50Hz 6.5Kw 15A	81	303	W1800 D880 H1100
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### Up to 28 Surgery running simultaneously – 6 cylinder triple

AC1800	H13594 3~	1428NL/min @ 5 bar	300	50Hz 9.75Kw 22.6A	82.5	394	W1800 H1100 D1100
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Sound pressure level tested according to ISO regulation 3746-1979(E). Parameters D=1.5-background noise<38dB(A)-instrument: brüel and Kjær type 2232. Asynchronous motors are manufactured according to IEC-EN-60034 regulations -1 (2006-5).

# BESPOKE COMPRESSORS FOR USE WITH MILLING MACHINES

These compressors have upgraded parts which allow them to run up to 10bar, this makes it possible for the compressor to deal with the extra stresses when used with milling machines.



AC310



AC610

Model	Product Code	Produced Air L/Min	Ltrs	Power	dB(A)	Net KG	Size mm
AC310	013310 1~	165NL/min @ 8 real bar	45	50Hz 1.5Kw 10.2A	73.6	6	W620 D520 H750
	013313 3~			50Hz 1.5Kw 3.7A			
AC410	013410 1~	215NL/min @ 8 real bar	100	50Hz Total 2.4Kw 15.4A	73	112	W1155 D550 H745
	013413 3~			50Hz Total 3Kw 7.2A			
AC610	013510 1~	330NL/min @ 8 real bar	150	50Hz Total 3Kw 22A	74	137	W1320 D590 H890
	013513 3~			50Hz Total 3Kw 7.4A			
AC910	013578 3~	495NL/min @ 8 real bar	300	50Hz Total 4.5Kw 11.1A	75	260	W1800 D810 H1000

AC310 compressors can be supplied with a **Sound-Reducing Hood** or fitted into a **Sound-Reducing Cabinet**.

AC410 and AC610 models can be fitted only with a **Sound-Reducing Hood**.



Noise reducing hood



Noise reducing cabinet  
Product Code: 010800

# BLOK JET: BESPOKE SOLUTIONS TO SUIT YOUR REQUIREMENTS

## BLOK JET SYSTEMS

Cattani'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.



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FOR OVER 50 YEARS:  
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**HOW IS IT WE LEAD IN OUR FIELD, WHEN WE COST LESS THAN THE ALTERNATIVES? THIS IS HOW:**

**Constant research:** this enables us to apply the latest technology to all of our products and solutions.

**We enhance performance:** electronic and information technology enable us to enhance the performance and reliability of our products.

**We reduce costs:** less maintenance and lower energy costs mean that we are always the most economical on a cost-benefit analysis.

**We reduce environmental impact:** we save 50% on raw materials, so that you can save between 30% and 50% on electrical consumption.