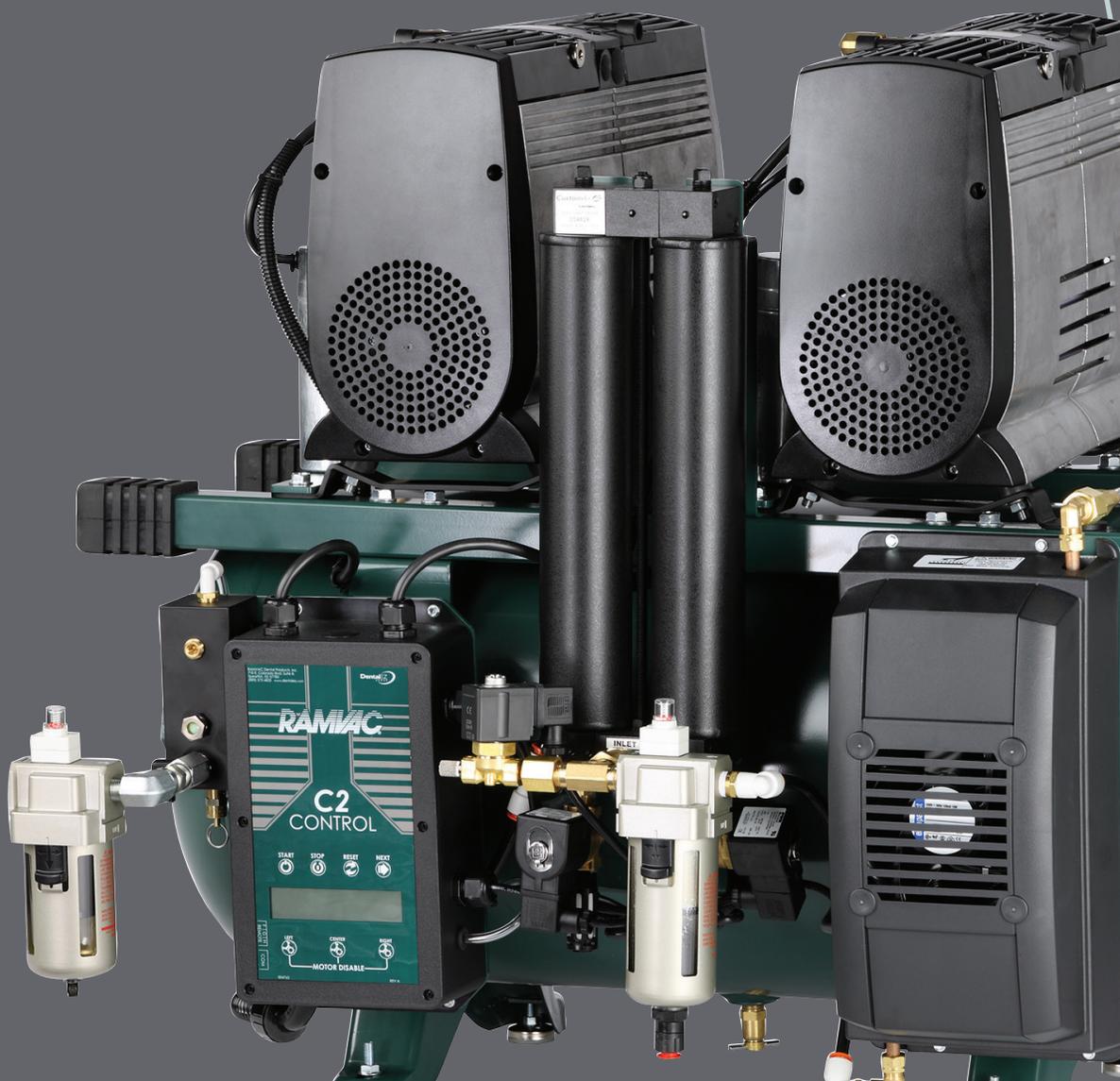


RAMVAC® Air Compressors



Osprey™ Air Compressors

For any practice looking to increase productivity and decrease downtime, RAMVAC® is your number one choice.



Osprey Features

- Dual column desiccant dryer provides 100% continuous supply of dry, clean air
- Easy to replace desiccant cartridges
- Stores air at a pressure dewpoint of -40°C to prevent growth of harmful bacteria
- Industry leading warranty 6 years / 4,200 hours, whichever comes first

Basic or Smart Control Features

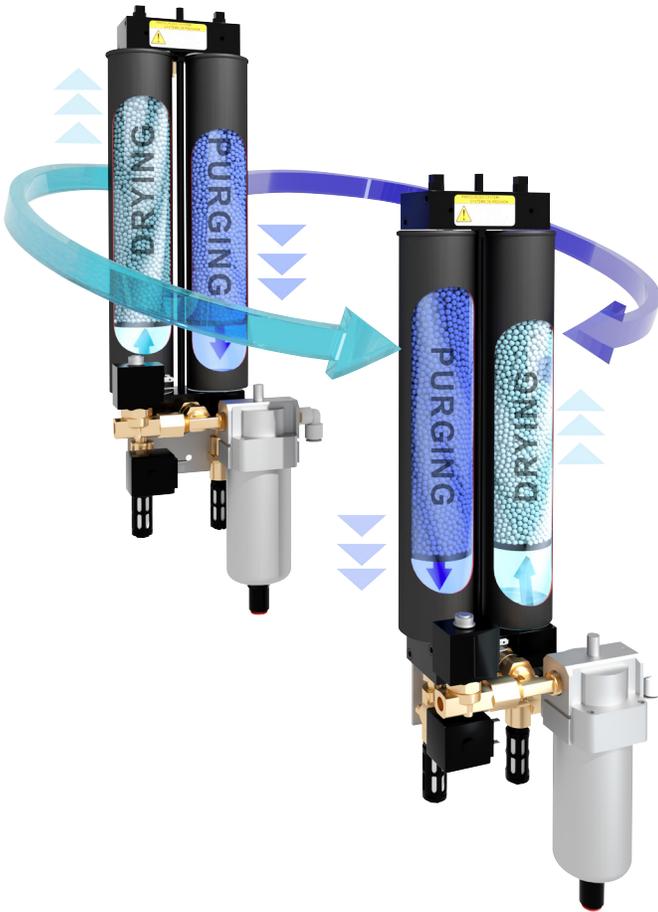
- Basic controls use traditional technology to control the cycling of the compressor heads and are equipped with switches to isolate the heads
- The Smart control platform (*C2 Control*) utilizes more modern digital technology with a pressure transducer and solid state relays to control cycling. Smart controls also feature head isolation, current sensing, maintenance reminders, fault notifications and average drain and recharge times

Osprey Sound Cover

- Lowers decibel ratings by 6-8 decibels
- Available for all models
- Simple to install in the field



Osprey™ Technology



Dual Desiccant Dryer Technology

RAMVAC Osprey Air Compressors are engineered to provide a 100% continuous supply of clean, dry air. The dual columns on the dryer assembly ensure that as one column is drying and exiting clean air to the tank, the other is purging moisture from the chamber. A solenoid valve activates as needed and the chambers switch processes immediately to ensure an uninterrupted supply of air for your practice.

Rocking Piston Design

Designed with rocking pistons, Osprey air compressors are built to last. The Osprey rocking piston brings air into the system through the intake filter and the piston rotates to pull the air through the system. Rocking pistons provide quiet operation and extend the life of the compressor. The flexible cup seal design used in rocking piston type compressors can have up to double the life of compression rings in standard piston compressor design. They also reduce friction in the system allowing for lower operating temperatures.



Model Number Description			
OSP	2	3	S
Compressor Series	Voltage	Number of Users	Type of Control
OSP = Osprey	1 = 115V 2 = 230V	2 = 2 to 3 Users 3 = 3 to 4 Users 5 = 5 to 7 Users 8 = 8 to 11 Users	S = Smart B = Basic

Choosing the Right Compressor for your Application:

Have all important information prior to selecting a compressor.

- What is the maximum number of simultaneous air users?
- How many operatories will the compressor serve?
- Have the office airlines been checked for leakage?
- Are there any other components of the practice that utilize clinical air?

	OSP22S/B	OSP13S/B	OSP23S/B	OSP24S/B	OSP25S/B	OSP28S/B
Max Users	3	4	4	6	7	11
Voltage (AC)	230	104 to 127	208 to 253	208 to 253	208 to 253	208 to 253
Amps	10.5	23	11.5	16.3	21	32
Total HP	2	2.5	2.5	3.25	4	6
Weight (lbs)	160	190	190	250	260	385
Dimensions W x D x H (in)	29" x 21" x 29"	29" x 21" x 29"	29" x 21" x 29"	35" x 25" x 30"	35" x 25" x 30"	41" x 29" x 32"
Dimensions with Soundcover (W x D x H)	33.3" x 29" x 34"	33.3" x 29" x 34"	33.3" x 29" x 34"	35" x 29" x 34"	35" x 29" x 34"	41.1" x 33" x 36"
Peak Airflow Output @ 80 PSI (CFM)	6.0	6.6	6.6	9.3	12.0	18.1
Pump Up Cycle Time, 85 to 115 PSI (Sec)	45	45	45	45	40	40
Tank Size (Gal)	12	12	12	20	20	30
Number of Heads	1	2	2	2	2	3
Filtration (microns)	0.3 Coalescing; 0.01 Final Particulate					
Dryer Duty Cycle	100%					
Dryer Dew Point (PDP)	-40°F / -40°C					

Things To Remember:

- An air compressor is one of the most important pieces of equipment in the dental office - don't take it for granted.
- Air leaks will cause the compressor to run more often. Identify and repair air leaks.
- Compressed air generates heat and moisture. A dry, cool, clean, ambient air source helps compressors provide high air quality.

PARTICLE	PARTICLE SIZE (MICRONS)
Pollens	10 - 1000
Mold Spores	10 - 30
Mold	3 - 12
Bacteria	0.3 - 60
Viruses	0.005 - 0.3

Chart of ISO 8573 Classifications				
CLASS	MAXIMUM SOLID PARTICLE SIZE (µm)	MAXIMUM SOLID CONTAMINANT CONCENTRATION (mg/m3)	MAXIMUM PRESSURE DEW POINT (C°)	MAXIMUM OIL CONCENTRATION (mg/m3)
1	0.1	0.1	-70	0.01
2	1	1	-40	0.1
3	5	5	-20	1
4	15	8	+3	5
5	40	10	+7	25
6			+10	
7			Not Specified	

* Osprey compressor dual dessicant dryer and filters meets these ISO classifications

** Competitor's membrane dryer and filters classification



For more information, please visit www.DentalEZ.com

Need a RAMVAC part? Visit www.DentalEZParts.com