



## 40 years of proven performance... only from RAMVAC.

NEW S2 controls utilize a pressure transducer so the vacuum levels are digitally displayed on a 2 line, 16 character LCD. Displays maintenance reminders and alarms. S2 Electrols with state-of-the-art micro controller keeps you informed of the equipment status. LEDs identify "faults" and announce time for maintenance.



Easy install features include vertical inlet and exhaust with built-in exhaust check valve.

(inside)  
Long-life,  
main air filter.

Exclusive, patented RAMVAC Filtrol features:

- positive protection from foam and liquids.
- replace-once-a-year air filters.
- dust protected vacuum controller.

Trucker proof 3/16" thick steel support members, 14 gauge sheet metal. Compact, space saving flat sides.

Massive vacuum controller with stainless steel piston and centerless ground, nitrided aluminum cylinder.

One year service interval from a space saving oil reservoir recirculating Mobil 1® synthetic oil.



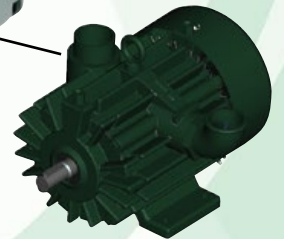
Exclusive gravity and vacuum driven oiling system with no moving parts.

Oversized pump shaft and bearings for maximum service life.



High efficiency single or three phase Baldor® motor.

10 year no-fail, no-wear-out warranty, high efficiency, low speed, oil-sealed, positive displacement pump.



- Power for demanding operators.
- Exclusive 10 year no-fail, no-wear-out pump warranty.
- Performance proven for over 40 years.
- "Low Oil" and "Water Contamination" sensors.
- No messy strainers to clean.
- Once-a-year maintenance.
- Works with widest range of piping.
- UL Listed, FDA registered, complies with NFPA 99c.
- 100% water-free.



We built the Bison<sup>®</sup> for those who demand heavy duty power in a rugged, compact chassis. Driven by a hefty industrial frame motor, Bison pumps are *guaranteed to perform*. Everything about the Bison, from its solid steel rotor, 24mm shaft, oversized precision ball bearings and heavy gauge steel frame, proves this product is *built for endurance*.

Backed by 40 years of efficient, water-free dental vacuum system expertise, these big pumps are *engineered to serve for decades*. Plus they're protected by the RAMVAC exclusive 10 year no-fail, no-wear-out warranty. No other vacuum producer can measure up to the efficiency of oil-lubricated, rotary-vane power. So if you demand *longevity, efficiency*, and unmatched treatment room performance, you're in the right pasture with the Bison.

## All the power you'll ever need.

Just pick the Bison or Bison Combo that's right for you.

These recommendations are conservative. Oversizing is wasteful. To allow for future needs, select an upgradable model rather than oversize. More specific sizing may be required by: additional vacuum devices such as nitrous oxide scavengers, vacuum sinks and cuspidors; substandard piping; overhead piping, uncommon user standards and/or uncommon vacuum uses. Check the DentaleZ<sup>®</sup> Group website or contact us for our complete line-up of vacuum units, tanks and options.

**Bison Combos** Bison Combos include the Bison Vacuum Unit and Tank most appropriate for typical applications.

PRODUCT	PRODUCT NUMBER	APPLICATIONS (typical)	POWER UNIT	TANK SIZE
Bison Combo 3	C818003	Three doctors and staff working in 12 rooms or less	Bison 3	30 gallon (115 L)
Bison Combo 5	C818005	Five doctors and staff working in 15 rooms or less	Bison 5	50 gallon (190 L)
Bison Combo 7*	C826007	Seven doctors and staff working in 15 rooms or less	Bison 7	InfiniTank™
Bison Combo 9*	C826009	Nine doctors and staff working in 15 rooms or less	Bison 9	InfiniTank

RAMVAC is built to serve NFPA Level 3 vacuum applications. RAMVAC must not be used for lab dust collection or housekeeping applications. Other applications may be served by custom systems. Check the RAMVAC website or contact us for our complete line-up of vacuum units, tanks and options.

\*Bison 7s and 9s should be used in OWL Combos or MPC systems and typically not as single vacuum units.

Bison Combos	Bison Combos	50 Gallon Tank Option
Common configurations shown below. Many more possible. Please see Pre-Installation Guide.		
		
Vacuum Unit along side 30 gallon Otter Tank 60" W x 21" D x 26" H 1524 mm x 533 mm x 914 mm	Vacuum Unit stacked on a 30 gallon Otter Tank with Bison platform (sold separately) 32" W x 21" D x 70" H 813 mm x 533 mm x 1779 mm	Vacuum Unit along side 50 gallon tank 50" W x 22" D x 62" H 1270 mm x 560 mm x 1580 mm

UL 60601-1  
CSA-C22.2 No. 601.1-M90  
ISO 13485:2003