

**DentalEZ® Group** Utility Room Products  
Elevating Dental Practice Efficiency

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Your  
Silent  
Partner

**RAMMAC**

**CustomAir** 

For more than 100 years, dental professionals have trusted our products to improve their working efficiency and enhance their practices. That history of innovation and service took on a new shape with the creation of the DentalEZ Group.

RAMVAC® and CustomAir® have been producing vacuum systems, air compressors and utility room accessories for over 50 years. StarDental® designs and manufactures a complete line of both LubeFree™ and lubricated high- and low-speed dental handpieces.

DentalEZ, the nation's first dental company continuously serving the profession, understands your environment. Our full line of operatory equipment is designed to meet your practice needs.

A serene forest scene with sunlight filtering through tall trees onto a calm body of water. The sun is positioned high in the center, creating a bright glow and casting long, soft rays of light through the dense canopy of trees. The water in the foreground is still, reflecting the light and the surrounding greenery. The overall atmosphere is peaceful and natural.

Your  
Silent  
Partner

# CustomAir® by RAMVAC® Compressors

*What do you expect from your compressor?*

For any practice looking to increase productivity and decrease downtime servicing their compressor, CustomAir® by RAMVAC is your number one choice.



Single Head Compressor



Dual Head Compressor



1027D20 with 20 Gallon Holding Tank

## Six Reasons to use CustomAir® by RAMVAC®

### Reason #1

CustomAir offers superior air quality, quiet operation, minimal space requirements and compressor heads that can be isolated for service.

### Reason #2

CustomAir compressor heads are 100% duty cycle rated, allowing them to run continuously if needed.

### Reason #3

Dual column desiccant dryer provides 100% continuous supply of moisture free air. While one column is drying, the other is in operation and we make it extremely easy to replace desiccant cartridges right in your office.

### Reason #4

Our solid state electronic controller utilizes state-of-the-art circuitry and monitors system functions.

### Reason #5

CustomAir compressors are designed using trouble-free solid state transducers to ensure dependability and long-life. Maintenance prone unloader valves and pressure switches used in other compressors have all been eliminated.

### Reason #6

CustomAir by RAMVAC Compressors have the best warranty in the industry - 6 years/4200hours! Like RAMVAC's dependable vacuum systems, CustomAir compressors utilize Baldor motors for decades of service.

"UL60601 listed & NFPA 99c Compliant"

Compressors are available in single, dual and triple head models.



1029D30 with 30 Gallon Holding Tank



Compressors are stackable saving space and dollars on utility room costs.



Sound cover reduces noise level by 7 decibels.



# RAMVAC® Bulldog® QT

## Bulldog® QT Vacuum Units

A vacuum unit is the heart of your practice. That's why most dental practices rely on Bulldog® QT Vacuum Units. With their 10-year warranty, you can rest easy that your practice's vacuum source will run consistently and efficiently.

### Bulldog® QT Combo 1

*Designed for one doctor plus staff in six treatment rooms or less*

The Bulldog QT Combo 1 offers a completely integrated vacuum system designed for a one doctor practice plus staff. The system includes a 15-gallon Otter Tank and a Bulldog QT 1 Vacuum Unit.

### Bulldog® QT Combo 2

*Designed for two doctors plus staff in six treatment rooms or less*

The Bulldog QT Combo 2 offers a completely integrated vacuum system designed for a two doctor practice plus staff. The system includes a 15-gallon Otter Tank and a Bulldog QT 2 Vacuum Unit.



#### Vacuum Unit Features and Benefits:

- 100% water free operation
- 10 year pump warranty
- Upgradeable to meet future requirements
- Maintenance once per year\*
- Complete System is UL 2601-1 Listed and FDA registered

\*1 year equals about 2,000 hours of operation. Bulldog QT's S1 Electrols track cumulative run hours and will illuminate a maintenance required light.

## Bulldog QT Combos

Bulldog QT Combos include a Bulldog QT Vacuum Unit and a 15 Gallon Otter Tank.

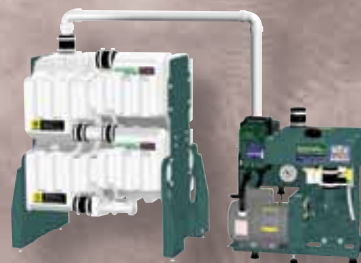
Product	Product No.	Applications (typical)	Upgradeable	Vacuum Unit	Tank Size
Bulldog QT Combo 1	C809001	One doctor and staff working in 6 rooms or less	Yes	Bulldog QT 1	15 Gal. (60 L)
Bulldog QT Combo 2	C809002	Two doctors and staff working in 6 rooms or less	Yes	Bulldog QT 2	15 Gal. (60 L)



Bulldog QT Vacuum Unit stacked on 15 gallon Otter Tank



Bulldog QT Vacuum Unit alongside 15 gallon Otter Tank



Bulldog QT Vacuum Unit alongside optional 30 gallon Otter Tank



Bulldog QT Vacuum Unit stacked on optional 30 gallon Otter Tank

# Bison®

## Bison® Vacuum Units

For the power you need in multi doctor practices, Bison® Vacuum Units are your best choice. Select from four models to meet your specific requirements

### Bison® Combo 3

*Designed for three doctors plus staff in twelve treatment rooms or less*

The Bison Combo 3 offers a completely integrated vacuum system designed for a three doctor practice plus staff. The system includes a 30-gallon Otter tank and a Bison 3 Vacuum Unit.

### Bison® Combo 5

*Designed for five doctors plus staff in fifteen treatment rooms or less*

The Bison Combo 5 offers a completely integrated vacuum system designed for a five doctor practice plus staff. The system includes a 50-gallon Cylindrical Tank and a Bison 5 Vacuum Unit.

### Bison® Combo 7 & 9

*For seven or nine doctors plus staff in fifteen treatment rooms or more*

Offering a completely integrated vacuum system, the Bison Combo 7 is designed for a 7 doctor practice plus staff while the Bison Combo 9 is designed for a 9 doctor practice plus staff. The systems include an InfiniTank and either a Bison 7 or Bison 9 Vacuum Unit.



#### Vacuum Unit Features and Benefits:

- Models sized for 3-9 doctors plus staff
- 100% water free operation
- 10 year pump warranty
- Upgradeable to meet future requirements
- Maintenance once per year\*
- Complete System is UL 2601-1 Listed and FDA registered

\*1 year equals about 2,000 hours of operation. Bison's S1 Electrols track cumulative run hours and will illuminate a maintenance required light.

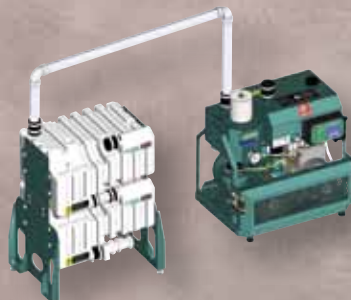
## Bison Combos

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

Product	Product No.	Applications (typical) Upgradeable	Vacuum Unit	Tank Size
Bison Combo 3	C818003	Three doctors and staff working in 12 rooms or less	Yes	Bison 3 30 Gal. (115 L)
Bison Combo 5	C818005	Five doctors and staff working in 15 rooms or less	Yes	Bison 5 50 Gal. (190 L)
Bison Combo 7*	C818007	Seven doctors and staff working in 15 rooms or more	Yes	Bison 7 InfiniTank
Bison Combo 9*	C818009	Nine doctors and staff working in 15 rooms or more	Yes	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.

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



Bison Vacuum Unit alongside 30 gallon Otter Tank



Bison Vacuum Unit shown on 30 gallon Otter Tank using optional platform



Bison Vacuum Unit alongside 50 gallon cylindrical tank



Bison Vacuum Unit shown on 30 gallon InfiniTank using optional platform

# RAMVAC® Otter Tank

## RAMVAC® Otter Tank

The Otter Tank provides the strength, excellent corrosion resistance (not typically available from metal tanks), unique shape and size that's easily adaptable to your specific location and to the rest of your vacuum equipment and plumbing connections which ease installation.

Tanks are an important element of your vacuum system. Tanks receive material from your treatment rooms and prevent solids and liquids from entering the vacuum pump.

Tanks also provide vacuum storage. If your tank is large enough, it can help make sure you never notice a drop in vacuum system performance, even though you may temporarily exceed your vacuum pump's capacity.



### Features and Benefits:

- Advanced corrosion-proof lightweight polymer
- Large, clog resistant drain valve
- Flat sides to best fit flat walls and corners
- Easy-access front connection to facility vacuum line
- Molded "paw" prints support Bulldog vacuum unit directly on tank
- Allows multiple "tank + vacuum unit" configurations
- Easily configured for suspended installation
- 12" height extender available to raise drain valves
- Tanks available in 15-Gallon and 30-Gallon

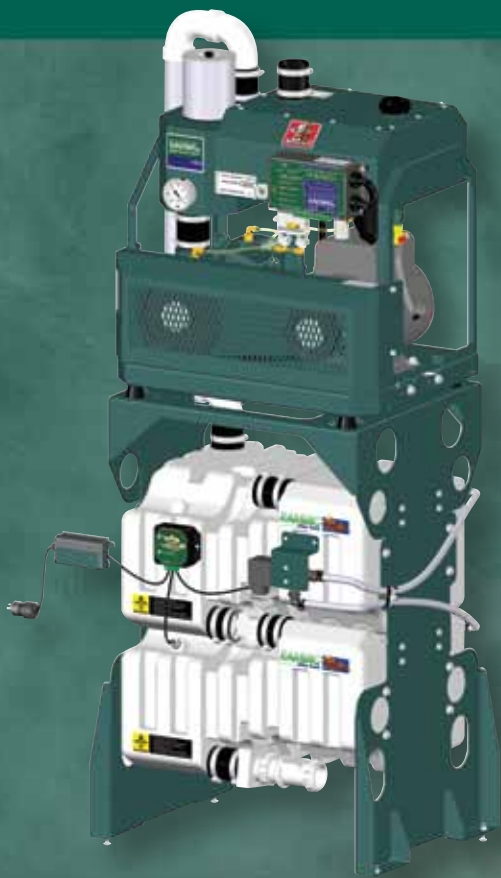


# InfiniTank™

## RAMVAC® InfiniTank™

The InfiniTank is the first vacuum separation tank that automatically drains when needed without the use of expensive, maintenance prone pumps. The InfiniTank works in harmony with the natural forces of gravity and air pressure to create “infinite” tank volume in an easy to install, compact design.

In short, there’s no more cycling your vacuum pump during work hours and no more risk of flooding your vacuum pump because your separating tank is too small. Also, the InfiniTank can eliminate the need for multiple separation tanks and as with other RAMVAC tank designs, you can mount the vacuum unit to the top of the InfiniTank to create an even more compact installation.



Shown with optional platform.

### Features and Benefits:

- Simple maintenance free design
- Drains without vacuum interruption
- Ribbed construction and advanced corrosion-proof lightweight polymer for added strength
- Significantly reduces the size and number of separating tanks
- Completely automated to provide worry free operation
- Intelligent controller records cycle history
- Fits neatly next to wall and into corners
- Bulldog® mounts directly on top surface
- Bison® mounts on optional “Bison Platform”
- Reliable, heavy-duty, low voltage, solenoid valve for years of trouble-free service
- UL6060I listed, medical grade, wall mount transformer, 115V-60Hz/230V-50Hz compatible

# CustomAir® Water Ring Pumps

## Single Water Ring Pump

Our Single Water Ring Pump offers quiet operation and compact size designed for small to medium size practices with up to two doctors and staff. Its brass impeller and housing assure long life and chemical resistance.

### Features and Benefits:

- Large capacity, easy to clean filter, with clear bowl for easy inspection
- 1 & 2 HP Water Injected Pump models available to suit your specific requirements
- 10.55 CFM for 1 HP model and 23.5 CFM for 2 HP Model
- Quiet and compact
- Long life, chemical resistant brass impeller and housing
- Sealed bearings in motor
- Designed for easy servicing



**Single Water Ring Pump  
CV-101**

## Dual Water Ring Pump

For larger practices, the Dual Water Ring Pump is your assurance of maintaining vacuum when operating in peak work periods. In addition, a Dual Water Ring Pump provides back-up protection to minimize downtime and costly interruption to your practice's workflow.

### Features and Benefits:

- Two independent pumps to handle peak loads and back-up protection
- 1 & 2 HP Water Injected Pump models available to suit your specific requirements
- Same quality features found in CustomAir single pumps
- Quiet and compact
- Long life, chemical resistant brass impeller and housing
- Sealed bearings in motor
- Designed for easy servicing
- Optional top shelf with 300 lb. capacity for stacking compressors



**Dual Water Ring Pump  
with Optional Top Shelf  
MC-201**

# Components

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## Air-Water Separator

- Keeps odors and microorganisms from escaping into the environment
- Protects people in building
- Complies with NFPA 99c recommendations and many building codes

## Water Recirculator

- Reduces water consumption by 80%
- Reduces discharge to sewer by 80%

## CustomAir Master Control Panels

- Vacuum, air and water are controlled from one location
- Wide range of kits for all CustomAir and RAMVAC products
- All CustomAir controls use low voltage (24V)
- Includes all necessary installation parts (except low-voltage wire)
- For use with compressors that come with low-voltage relay and transformer



# RAMVAC® Components

## OWL™ (On Wall Logic)

This unique, compact remote mounted information center provides real time information about RAMVAC vacuum pumps and its CustomAir compressors offering key functionality such as start/stop function, maintenance reminders, fault code data and product cycling.

With OWL, you have the ability to control all of your utility room products, like RAMVAC and CustomAir equipment, from one convenient location. Other great functions include convenient touch pad controls, shut off timer, fault code detection and a large easy to read LCD for key equipment information.

### Features and Benefits:

- Can control multiple RAMVAC vacuums and water valves and CustomAir compressors
- Provides fault code data for all RAMVAC products
- Provides maintenance reminders on RAMVAC products and CustomAir by RAMVAC compressors
- Shut-off timer included
- Provides hour meter readings from RAMVAC products and CustomAir by RAMVAC compressors



## RAMVAC Remote Switch Panels

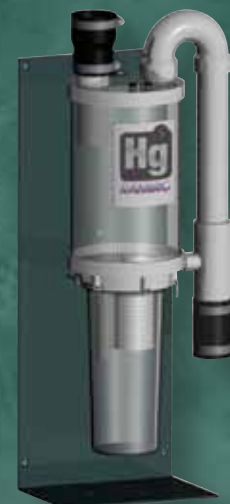
The ultimate in convenience. You can control equipment anywhere thanks to RAMVAC remote switch panels. These LED illuminated push-on/push-off switches offer access to equipment remotely. Switches include three standard switch labels: Air, Water and Vac. Each switch is pre-wired for easy installation for 12v or 24v AC/DC. Custom labels are available at no charge.



## RAMVAC® Hg5 Amalgam Separator

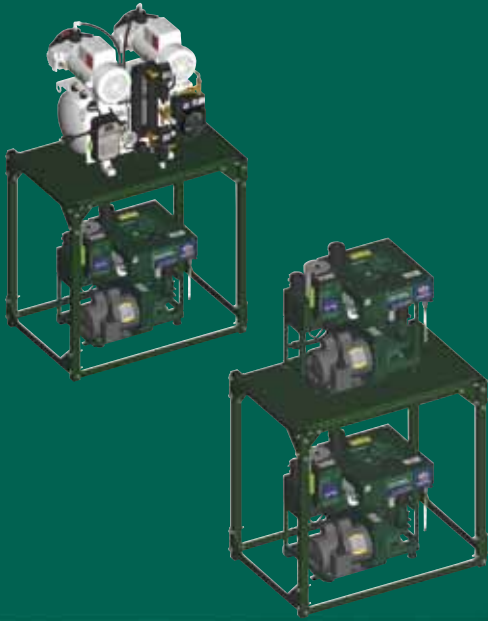
The Hg5 Amalgam Separator intercepts microscopic amalgam particles and even captures dissolved Mercury to keep sewer discharge more than 99% free from Mercury (ISO Certified removal rate 99.82%).

This compact size unit is one of the smallest amalgam units on the market. The RAMVAC version is designed for use with RAMVAC and CustomAir vacuum equipment, but will work on other products. The high tech Hg5 cartridge tells you when it needs to be changed, and can be removed and replaced without tools. Most states allow cartridge shipping by common carrier to a certified recycler.



## RAMVAC Utility Stands

With a platform load limit of 600 pounds, RAMVAC Utility Stands are designed specifically to stack equipment, maximizing usable floor space. These easy-to-assemble, heavy-duty gauge steel stands are available in two heights; 36" and 50". Both sizes provide easy access from all sides to provide an efficient workflow and easier access for equipment maintenance.



### Features and Benefits:

- Compact design
- Allows multiple configurations
- Bolt together assembly
- Heavy gauge steel
- Easy to install
- UPS shippable



# Packages

Multiple Utility Room packages for efficiency in ordering.  
Each package contains everything you need for decades of Utility Room Service.

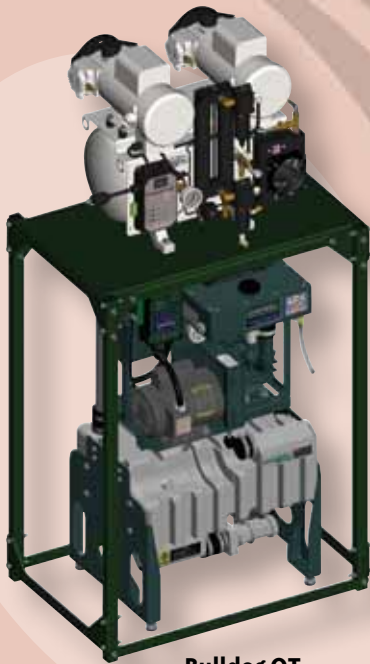
## User-Friendly Numbering System

Example: **P112-11** is the P112 package and the WC-110 water valve.

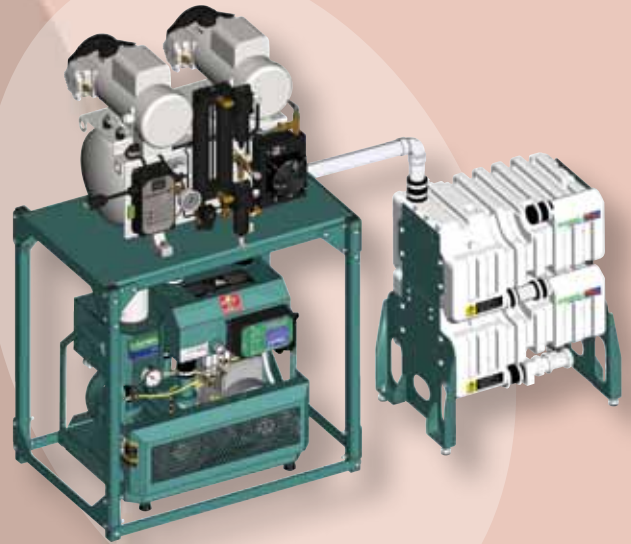
P	1	1	2	-11
Package	First Digit	Second Digit	Third Digit	Suffix
	# of Users	0 = Dry Vac 1 = Single Wet Ring 2 = Dual Wet Ring	0 = RAMVAC Remote Switch Panel 1 = Owl 2 = CustomAir Remote Switch Panel	Two digits denoting water valve -11 WC-110 Valve, master water control, 1/2" w/ filter, 24V Solenoid -21 WC-210 Valve, master water control, 3/4" w/ filter, 24V Solenoid -23 WC-230 Valve, master water control, 3/4" w/ filter & regulator, 24V Solenoid -30 WC-300 Valve, master water control, 1", 24V Solenoid -40 WC-400 Valve, master water control, 1-1/4", 24V Solenoid

## Utility Room Packages

Pkg#	Vac Unit P/N	Vac Unit Desc.	Separation Tank P/N & Desc.	Compressor P/N & Desc.	Water Valve P/N	Remote Panel/Owl P/N
<b>One Doctor &amp; Staff</b>						
P110	64586121	CV-101FS Single wet	NR	1022 (1-2 users)	Specify Pipe Size	64568171 (MP-1000)
P120	64586110D	MC-201FS Dual wet	NR	1023D (3-4 users)	Specify Pipe Size	64568172 (MP-1100)
P121	64586110D	MC-201FS Dual wet	NR	1023D (3-4 users)	Specify Pipe Size	860231
P100	809E.0800	Bulldog QT1	575015 (15 gal OT)	1023D (3-4 users)	Specify Pipe Size	8-600-133 (3-switch)
P101	809E.0800	Bulldog QT1	575015 (15 gal OT)	1023D (3-4 users)	Specify Pipe Size	860211
<b>Two Doctors &amp; Staff</b>						
P210	64586122	CV-102FS Single wet	NR	1025D (5-6 users)	Specify Pipe Size	64568171 (MP-1000)
P220	64586110D	MC-201FS Dual wet	NR	1025D (5-6 users)	Specify Pipe Size	64568172 (MP-1100)
P221	64586110D	MC-201FS Dual wet	NR	1025D (5-6 users)	Specify Pipe Size	860321
P200	809E.1050	Bulldog QT2	575015 (15 gal OT)	1025D (5-6 users)	Specify Pipe Size	8-600-133 (3-switch)
P201	809E.1050	Bulldog QT2	575015 (15 gal OT)	1025D (5-6 users)	Specify Pipe Size	860211
<b>Three Doctors &amp; Staff</b>						
P320	64586211D	MC-202FS Dual wet	NR	1027D20 (7-8 users)	Specify Pipe Size	64568171 (MP-1000)
P321	64586211D	MC-202FS Dual wet	NR	1027D20 (7-8 users)	Specify Pipe Size	860231
P300	818E.0800	Bison 3	575030 (30 gal OT)	1027D20 (7-8 users)	Specify Pipe Size	8-600-133 (3-switch)
P301	818E.0800	Bison 3	575030 (30 gal OT)	1027D20 (7-8 users)	Specify Pipe Size	860211
<b>Four to Five Doctors &amp; Staff</b>						
P520	64586211D	MC-202FS Dual wet	NR	1029T30 (9-11 users)	Specify Pipe Size	64568171 (MP-1000)
P521	64586211D	MC-202FS Dual wet	NR	1029T30 (9-11 users)	Specify Pipe Size	860231
P500	818E.1050	Bison 5	575030 (30 gal OT)	1029T30 (9-11 users)	Specify Pipe Size	8-600-133 (3-switch)
P501	818E.1050	Bison 5	575030 (30 gal OT)	1029T30 (9-11 users)	Specify Pipe Size	860211



**Bulldog QT  
Package**



**Bison 3  
Package**



**Dual Pump MC-201  
Package**



**Dual Pump MC-202  
Package**

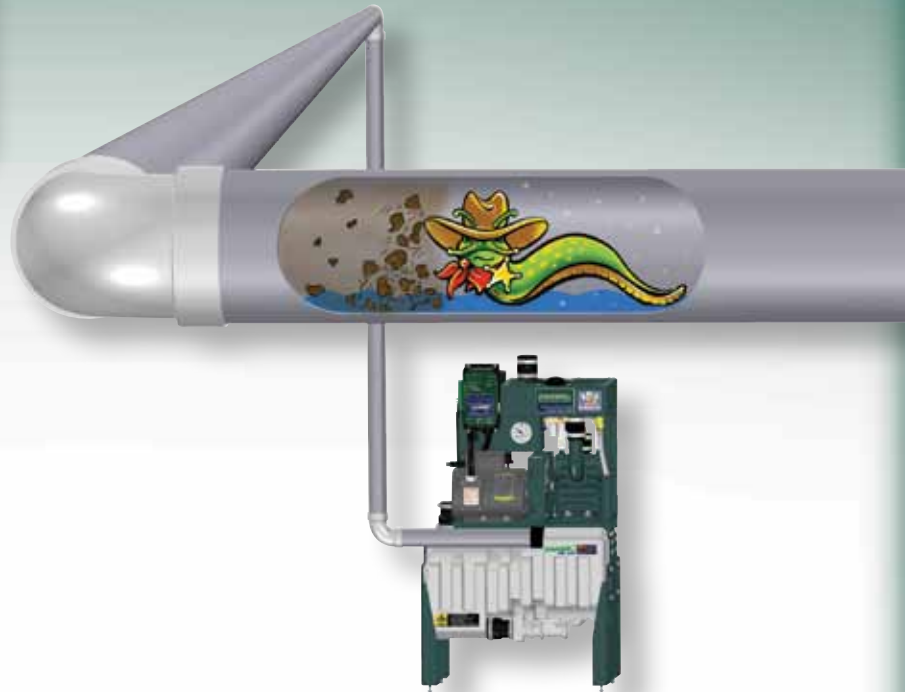
**Packages shown with optional stands/platforms.**

# SlugBuster™

Specifically formulated for the dental industry, SlugBuster™ maximizes your vacuum performance. Chelators, which help hold heavy metals, such as Mercury, in suspension, facilitate safer discharge to waste disposal. Chelators also make the water soft and soft water cleans better than hard water. The formula also contains L61 Wetting Agents, which penetrate faster.

## Features and Benefits:

- Cleans and deodorizes vacuum hoses, drains, piping, and separators
- Non-chlorinated
- Dissolves organic debris
- Absolutely non-foaming
- Fast acting
- Quick rinsing, minimizing drain line residue
- Pleasant, light fragrance
- 8.5 pH level makes SlugBuster compatible with all amalgam separators
- Biodegradable
- Economical
- SlugBuster is available in powder and liquid forms



Contact your dealer or DentalEZ® at 1-866-DTE-INFO. Visit our website at [www.dentalez.com](http://www.dentalez.com).

### DentalEZ Group Corporate Office

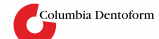
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### DentalEZ Group CustomAir®/RAMVAC

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MAKES YOUR PRACTICE PERFECT®



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