

# VANIMAN

*Setting the standard for Industry*



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- Dust Collection
- Micro-Abrasive Blasting
- Electronic Waxing
- Air Purification



For over 20 years, Vaniman has established a tradition of Quality, Service, and Innovation for all the products it manufactures for Industry.

Starting with the original Accumulator™ Pre Filter , Vaniman's complete line of General and Specialty Dust Collectors, Micro Abrasive Blasters, Air Purification, and Electronic Waxing products, provide our customers the quality Industry has come to expect.

Our Service department provides direct customer interaction which streamlines technical assistance, as well as suggestions for properly configuring a product to achieve its optimal performance.

Innovation has been the cornerstone of Vaniman Manufacturing over the last 20 years. The Engineering Staff is continuously striving to provide the customer with the most robust, economical, and effective products available.

Vaniman remains committed to providing Industry the highest quality of products and service available through our worldwide dealer network.

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## Dust Collector Introduction

Dust collection is intended to capture nuisance, harmful, or precious material in any facility that has or creates such material. In some cases dust collection is a safety requirement, but in most cases dust collection creates a cleaner and more productive work environment.

It is important to consider the type and size of the attachment or work area, the type of filtration needed (HEPA, Odor, Pre-Filter), and the sound level requirements.

Use the chart on this page to begin selecting a dust collector on the following pages.

## A Dust Collector For Every Need

		Application			Specifications		
Page	Products	Grinding Dry Powder Sanding Precious Metal	Micro- Abrasive Blasters	High Production For All Types Of Debris	Work Stations	Plumbing Size	Maximum Plumbing Run
1	Van-I-Vac*	●			1	1@ 1 1/2"	6'
1	Voyager*	●			1-2	1@ 2 1/2" 2@ 1 1/2"	8'
3	Voyager HV	●	●		1-4	1@ 4" 2@ 2 1/2" to 4" 3@ 2 1/2" to 3" 4@ 2 1/2" to 3"	10'
2	Abrasive Vac	●	●		1	1@ 1 1/2" to 2 1/2"	6'
4	Stone Vac II Series	●	●	●	1-4	1@ 1 1/2" to 3" 2@ 1 1/2" to 2 1/2" 3 to 4" Stations, call for specs	10'

\* Fume Collection, requires part number 96013, Odor Filter

Vaniman has technicians and engineers available to help choose a system to suit your particular needs or design a system for your facility. Please contact Vaniman Manufacturing for further assistance or dust collection guidance.

## General Purpose Dust Collectors

All Van-I-Vac and Voyager units feature:

- HighSpeed, High Suction Turbine Technology.
- Quiet Operation (53dbA - 55dbA)
- Compact, Space Saving Design
- High Efficiency Tri-Layered Disposable Filter Bag
- Accumulator™ Pre-Filter Captures 99% of Metals and 95% of all Dust
- Optional HEPA and Fume Filtration
- Optional Remotes

### VAN-I-VAC

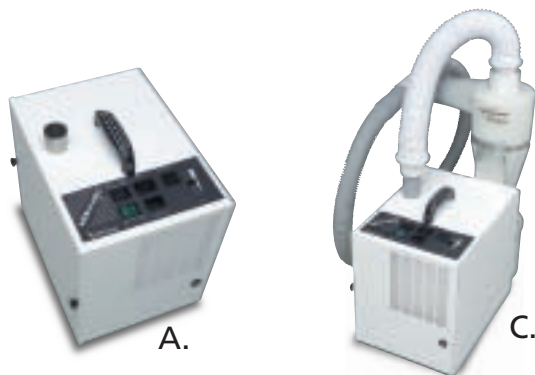
- Single Station
- Only 53 dbA
- Single Station 10600 (A)
- With Accumulator™ 10610 (B)

### VOYAGER

- One or Two Station, multi-speed
- High Suction for heavy duty use
- Only 55 dbA
- Single Station 10630 (A)
- Single Station With Accumulator™ 10640(B)
- Two Station With Accumulator™ 10650(C)

### APPLICATIONS

- Precious Metal Reclamation
- Grinding, Dry Powders
- Rapid Prototyping
- Laser Ablation
- Fume Collection



# VANIMAN

## Specialty Dust Collector

### Abrasive Vac

*Designed for use with micro-abrasive blasters*

- High speed, high suction turbine technology
- Quiet operation 53dbA
- Compact, Space saving design
- Foot pedal control
- Plug in micro-abrasive blaster for foot pedal control
- Accumulator™ Pre Filter captures 95% of all dust and 99% of all abrasive media
- Two year warranty

Abrasive Vac with large Accumulator and Foot Remote 10660

*\* Takes the place of the typical large dust collector for micro-abrasive blasters.*

## Pre-Filtration

### Accumulator™

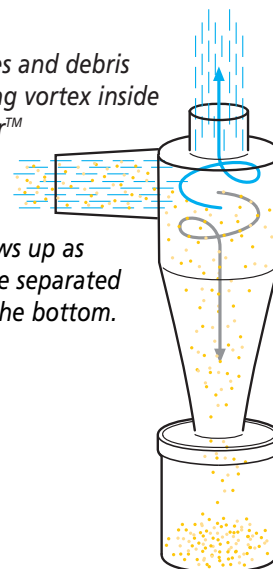
The Vaniman Accumulator™ Pre-Filter is designed to protect and collect. It protects workers and equipment from the damage caused by dust. It collects dust, valuable gold, and aluminum oxide before it reaches the dust collector.

Accumulator™ VMC-A300

AccumulatorXL™ 10509

*Air, dust particles and debris enter the swirling vortex inside the Accumulator™*

*Cleansed air flows up as dust particles are separated out and fall to the bottom.*



*Air flows up from the Accumulator™. This air is now 95% free from dust particles. The air will now go into the filtering system of the dust collector.*

*Dust particles and debris are collected in the Accumulator bowl, which is easily detached and emptied.*



## General Purpose Dust Collector

# VOYAGER HV

- One horsepower industrial motor moves 750 cubic feet per minute
- Handles two to four workstations
- Provides high flow to four workstations simultaneously
- Unique vertical or horizontal operation
- Noise arresting system makes unit quietest available (55dbA)
- Add remotes for control at up to four stations
- Washable cartridge filter provides economical filtration
- Available for 2", 3", or 4" hose
- Low maintenance design
- Three year warranty\*

Voyager HV with 4 - 2" Hose Ports 10670

Voyager HV with 4 - 3" Hose Ports 10671

Voyager HV with 2 - 4" Hose Ports 10672



Use standing up  
or laying-down  
to suit your space



Standard hose sizes:

(sold per foot)

2" Hose 96019

3" Hose 96020

4" Hose 96021



\*Filter not included

### Popular Workstation Attachments



Polyguard II  
VMC-A398



Fish Mouth Plus  
with Flex Shield 10503



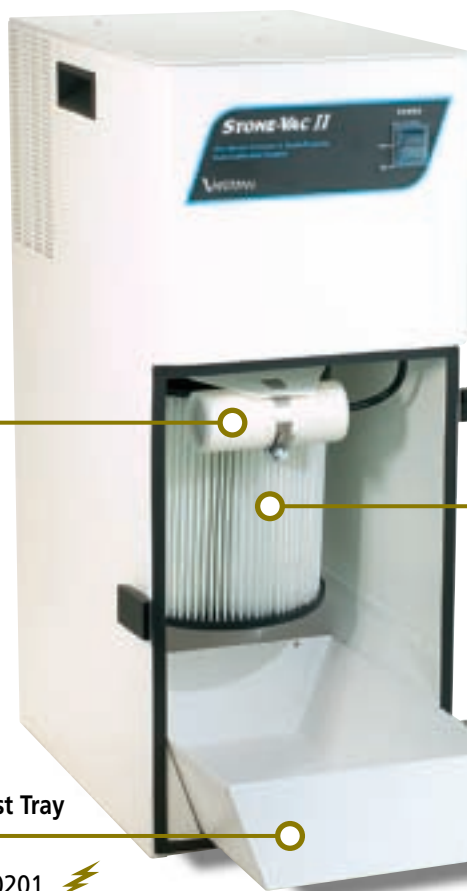
Splash Guard  
VMC-A470

## General Purpose Dust Collector

### StoneVac II Series

*The most versatile dust collectors for Industry...*

- Specifically designed to collect fine dust, abrasives, and grinding debris
- Two super high speed turbines available
- HEPA Filtration
- For one to four workstations\*
- Optional Accumulator™\*\*
- Optional Autopilot Controller (Plus only)
- Optional Air Autopilot for air handpiece use\*\*\*
- Optional remote switch control
- 1 year warranty



Exclusive  
"Electronic"  
Filter  
Maintenance  
System

Extra Large Dust Tray

StoneVac II 10201 ⚡

StoneVac II Plus 10202 ⚡

StoneVac II *Brushless* 10230 ⚡

with **Twister**™  
TECHNOLOGY  
HIGH SPEED TURBINE SYSTEM

Hepa  
Filtration  
Captures  
99.97% of  
Dust at 0.3  
Microns

\* Call for configuration details

\*\* Accumulator VMC-A300

\*\*\* Air AutoPilot (Must Specify at Time of Order) 10354

⚡ Available in 100, 220, 230, 240 Volts @ 50/60Hz CE

# Attachments to fit any user's needs and accessories to enhance dust collection systems

## Dust Collection Accessories

### Bench-Front Accessories with Shields

Mount temporarily or permanently at the front of a standard bench or table-top. Easily attached to any dust collection system from below.



Jet Port with "Comfort Zone" arm rest system  
VMC-A441



Workstation attachment with bench clamp  
VMC-A390



Jet Port  
VMC-A440



Flexible Hose Kit  
96026

### Hoses, Adapters and Plumbing



- A. Hose**  
VMC-1450 – 1 1/2" (sold per foot)
- B. Expandable Hose (with ends)**  
VMC-1023 – 2 1/2" x 6'
- C. Hose End**  
VMC-1008 – 1 1/2" for 1 1/2" hose  
(connects to dust collectors)
- D. Hose End**  
VMC-1009 – 1 3/4" for 1 1/2" hose  
(connects to accessories)

Many other adapters, hoses, tees, and connection accessories available.

Contact Vaniman with your specific needs.

### Bench-Top Accessories

Accessories sit on or are attached to bench-top surface. Easily attached to dust collection system from rear.

Mobile Jet Port  
VMC-A442



Polyguard I  
Partially enclosed work area.  
VMC-A397



Polyguard II  
360° enclosed work area.  
VMC-A398



Fish Mouth Plus  
Heavy duty metal fish mouth.  
VMC-A395



Splash Guard  
Plastic shield  
VMC-A470



Flex Shield  
Includes screw base, adhesive, and magnetic base.  
VMC-A391



Fish Mouth Plus with Flex Shield  
Shield is positioned by the user.  
10503





## Dust Collection Accessories

### Remotes for Dust Collector Control

*Control a single dust collector from remote.*



#### Remote Switch

Wall or bench mounted control switch. For use with all Vaniman dust collectors except StoneVac, SandVac and AbrasiveVac  
VMC-A450



#### StoneVac Remote Switch

Wall or bench mounted control switch. For use with StoneVac only.  
10203



#### Foot Remote Switch

For use with all Vaniman dust collectors except StoneVac, SandVac, and AbrasiveVac  
VMC-A460



#### Dual Remote Switch

For use with all Vaniman dust collectors except StoneVac, SandVac, and AbrasiveVac  
VMC-A455

**NEW Extension** 10505 – 6' extension for all Vaniman remotes



#### AutoPilot

**Dust Collector Control System** Coordinates dust collection for up to 2 micromotors, lathes, or air handpieces.  
VMC-A600/A601

Dust collector automatically turns on when micromotor, lathe, or air handpiece is in use.

Built-in "Dust Delay Time" allows dust collector to remain on for a few seconds to clear dust in the air after tool stops.

Controls dust collector up to 10 Amps and accessories up to 6 Amps.

Order VMC-A601 for air handpiece control.

\*On newer Van-I-Vac and Voyager Units

### Filtration

#### Post Filter

Post filter adds an additional level of filtration to all Van-I-Vac, Voyager Units\*

96014



#### HEPA Filter

Captures 99.97% of all particles larger than .3 microns. Fits Van-I-Vac, Voyager Units\*

97016



#### External HEPA Filter Kit

Adds HEPA filter cartridge to any Van-I-Vac and Voyager Units

97017



#### Replacement HEPA Filter

StoneVac 97001

Voyager 4X 96017



#### Replacement Filter

Voyager 4X 96018

Voyager HV 96016



#### Dust Collector Bags

High quality bags in an economical 5-pack. Cloth bag is designed for long life in all Vaniman bag-type dust collectors. Easy, clean disposal or reclaiming of precious metals.

VMC-A400-5



#### External Odor Filter Kit

Includes frame and odor filter. Eliminates 95% of all odors, including monomer and resin odors. Fits Van-I-Vac and Voyager units

VMC-A420



#### Odor Filter

Eliminates 95% of all odors, including monomer and resin odors. Fits Van-I-Vac, Voyager Units\*

96013



## Laboratory Air Filtration System

# Pure Breeze

### Clean Air System

- Ultra quiet design.
- Four Stage Filtration System Removes Dust, Odors, and microscopic particles and microbes.
- Less than half the size of competitive air cleaners
- Three speed system for proper cleaning of rooms from 250 to 1000 square feet.
- Handles laboratory airborne particles with true HEPA filtration - captures particles smaller than 0.3 microns.
- Captures airborne bacteria and viruses.
- Simple and economical filter replacement.
- Long life motor assures years of maintenance free operation.
- Weighs a fraction of other air cleaners while maintaining the best filtration and air cleanliness available.
- Ships standard UPS, no expensive freight bills.

Pure Breeze System 10360



### Four Stage Filtration System

- Stage One - capture airborne dust and laboratory materials
- Stage Two - additional layer of dust protection
- Stage Three - removes odors and organic vapors
- Stage Four - HEPA filtration removes fine airborne particles, airborne bacteria and viruses

Stage One Filtration Replacement 97021  
 Stage Two Filtration Replacement 97022  
 Stage Three Filtration Replacement 97023  
 Stage Four Filtration Replacement 97024  
 Maintenance kit, 3 stage 1, 1 stage 2 97025



# VANIMAN

## Micro-abrasive Blasters

- Portable** Less than 30 pounds
- Micro** Micro – Small and precise “pencil blasting” with any abrasive from 60 to 360 grit in size and nozzles from .015” to .065”.
- Abrasive** Abrasive – Any material capable of cutting, removing material, or polishing a surface

### How They Work



Vaniman blasters are designed for pinpoint accuracy or very controlled blasting techniques. All units use a pressurized media tank to mix air and media and force the mixture out of a crystal or carbide tip. With the exception of the Mobile units, all units have a sealed work area with two or three tanks. Units with multiple tanks have a selector valve inside the work area to choose which tank-hand piece combination is active. Pressure is regulated from 0-100 PSI to attain desired results.

### What Are They Used For?

Micro-Abrasive Blasters are used for:

- Deburring of machined, molded, or fabricated parts
  - Drilled or cutting hard or fragile materials
  - Cleaning or removing unwanted adhesive or other material from components
  - Adhesive or process preparation of a surface
- And countless others!

### Who Uses Micro-Abrasive Blasters?

- |                       |                        |
|-----------------------|------------------------|
| • Machine Shops       | • Electronics          |
| • Jewelry Production  | • Ceramics             |
| • Automotive Industry | • Aircraft Maintenance |
| • Museums             | • Arts & Crafts        |
| • Glass Industry      | • Manufacturing        |
| • Laboratories        | • Medical/Dental       |
| • Plastics Industry   |                        |



Use Vaniman's Abrasive Vac with any cabinet blaster for dust removal. See page 2 for more information.

Call Vaniman to find out how Vaniman Micro-Abrasive Blasting fits into your industry or application!

## Standard Blasting Systems

*The ProBlast line is a collection of high quality portable micro-abrasive blasters built with maximum utility yet with economy in mind.*

### Problast<sup>3</sup>

The ProBlast<sup>3</sup> is our top of the line enclosure with an economical three tank blasting system.

- Suitable for many applications such as cleaning, coating removal, surface preparation, deburring, etching, marking and more.
- Built-in pressure delivery system including a 0-100psi adjustable filter regulator and foot pedal control.
- Heavy gauge powder-coated steel cabinet with comfortable wrist cuffs.
- Tank selector controls conveniently located inside the cabinet.
- Handles all types of blasting media from 60 to 360 grit (25-250 micron).
- Designed for pinpoint accuracy on small or hard to reach areas via a variety of pencil point nozzles.
- No metal wear points from tank to nozzle and "quick change" hose fittings for easy maintenance and low cost of ownership.

\* Use the Abrasive Vac for blasting cabinet dust removal  
 Problast3 (One each 25 micron, 50-100 micron, 110-250 micron tanks) P/N 80070  
 \* Other tank combinations available.



### Problast & Problast II

The ProBlast utilizes the same blasting system as the ProBlast3 with two tanks and an indestructible sealed resin cabinet construction. Problast II utilizes a compact space saving smaller cabinet (Clean-up air blast nozzle not included)

Problast Two Tanks (both 50-100 micron particle size) 80008  
 Problast II, Two Tanks (both 50-100 micron particle size) 80007  
 \* Other tank combinations and gloves available



### Mobile Problast

For mobile use or as an addition to an existing cabinet or closure. Extra long handpiece hose (6 ft.) enables long remote usage.

One Tank(50-100 micron particle size) 80017  
 \* Other tanks available



# VANIMAN

## Enhanced Blasting Systems

### Master Problast<sup>3</sup>

The Master ProBlast<sup>3</sup> is our top-of-the-line micro abrasive blasting system. It is a three-tank pressure system with instantaneous control. The foot pedal precisely controls the abrasive media flow.

- Suitable for many applications such as cleaning, coating removal, surface preparation, deburring, etching, marking, and more.
- Built-in pressure delivery system including a 0-100psi adjustable filter regulator and foot pedal control.
- Heavy gauge powder-coated steel cabinet with comfortable wrist cuffs.
- On/Off and tank selector controls conveniently located inside the cabinet.
- Handles all types of blasting media from 60 to 360 grit (25-250 micron).
- Designed for pinpoint accuracy on small or hard to reach areas via a variety of pencil point nozzles.
- No metal wear points from tank to nozzle and "quick change" hose fittings for easy maintenance and low cost of ownership.

\* Use the Abrasive Vac for blasting cabinet dust removal

Master Problast3 (One each 25 micron, 50-100 micron, 110-250 micron tanks) P/N 80060

\* Other tank combinations available

### Master Problast

The Master ProBlast utilizes the same blasting system as the Master ProBlast3 with two tanks and indestructible sealed resin cabinet construction. (Clean-up air blast nozzle not included)

Master Problast (Two 50-100 micron tanks) P/N 80020

\* Other tank combinations and gloves available



Air Blast Nozzle

### Master Mobile Problast

For mobile use or as an addition to an existing cabinet or closure. Extra long handpiece hose (6 ft.) enables long remote usage.

One Tank (50-100 micron particle size) 80031

- Other tanks available





## Blasting Accessories

### Tips

#### Long Lasting Crystal Tips

Ultra-hard Sapphire Crystal inserts provide economic tip solution.

#### Precision Tips

Ultra precision Tungsten Carbide for maximum spray control.

### Media

Vaniman's new line of abrasive media is of the highest quality and purity. High quality media virtually eliminates media impurities and increases blasting precision and consistency. 15 lb package

Part No.	Nozzle Size, Inches (mm)	Color	Recommended Media
<b>Long Lasting Crystal Tips (2 per package)</b>			
97902	Medium, .032" (.8mm)	Blue	25/50 $\mu\text{m}$ $\text{Al}_2\text{O}_3$
97903	Large, .048" (1.2mm)	Black	50/100 $\mu\text{m}$ $\text{Al}_2\text{O}_3$ , 50 $\mu\text{m}$ Glass
97904	Extra Large, .065" (1.6mm)	Red	100-250 $\mu\text{m}$ $\text{Al}_2\text{O}_3$ , 50/100 $\mu\text{m}$ Glass
<b>Precision Tungsten Carbide Tips (1 per package)</b>			
97905	Small, .026" (.65mm)	Yellow	25 $\mu\text{m}$ $\text{Al}_2\text{O}_3$
97906	Medium, .036" (.91mm)	Green	50/100 $\mu\text{m}$ $\text{Al}_2\text{O}_3$ , 50 $\mu\text{m}$ Glass
97907	Large, .059" (1.5mm)	Violet	100-250 $\mu\text{m}$ $\text{Al}_2\text{O}_3$ , 50/100 $\mu\text{m}$ Glass

Part No.	Material	Size	Applications
97921	Aluminum Oxide	25 $\mu\text{m}$	Fine surfacing of metal, porcelain and acrylic.
97922	Aluminum Oxide	50 $\mu\text{m}$	Removal of oxides. Preparation of porcelain faces before firing.
97923	Aluminum Oxide	100 $\mu\text{m}$	Deflasking. Alloy preparation for porcelain work.
97924	Aluminum Oxide	250 $\mu\text{m}$	Bulk removal of investment and tough oxide layers. Rough surface preparation.
97925	Glass Bead	50 $\mu\text{m}$	Smoothing/polishing. Devesting porcelain. Finishing of occlusal surfaces/crown interiors.

*Note: Larger quantities available, contact Vaniman or your dealer for information.*

### Abrasive Blaster Window Protection System

The Protector shield is our newest accessory for blasters. The window is protected utilizing a clear "static cling" material. The shield is placed on the inside of any blaster window and protects the glass from scratching and fogging. When viewing clarity is reduced, the Protector is easily removed and replaced.

Protector for Vaniman SandStorm, Expert, Alpha, and all other blasters 12 pack 97950

Protector for Vaniman SandStormXL and other large cabinet blasters 12 pack 97951



#### "Contact Lens" Magnifier

Reduces eye strain and improves overall viewing area

"Contact Lens" Magnifier for Vaniman SandStorm, Expert, Alpha, and all other small blasters 97940

"Contact Lens" for Vaniman SandStorm XL and other large cabinet blasters 97941



#### PerfectView Magnifier

- Installs on any blasting system
- Increases blasting visibility and precision
- Attaches to any blaster window with suction cups

PerfectView Magnifier 97955



## Waxing

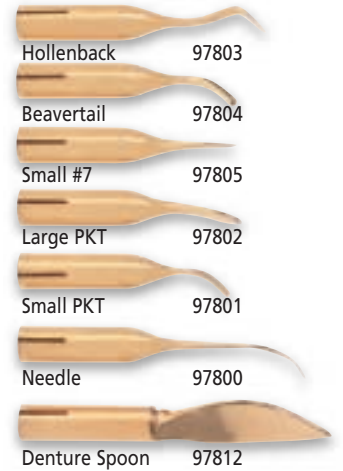
### Vector

#### "Sensor Touch" Programmable Waxing System

Five Programs, including the "Sensor Touch" program for precision waxing. Heats up and cools down with the touch of your finger.

Programs 1 - 4 can be pre-set to provide customized temperature control for production waxing.

- Rapid heat up
- Rapid cool down
- Various tips available
- Small PKT tip comes with each unit
- Digital microprocessor electronics
- Temperature sensing for accurate control
- Automatic selectable temperatures
- Ergonomic handpiece
- Operates in °F or °C



- Hollenback 97803
- Beavertail 97804
- Small #7 97805
- Large PKT 97802
- Small PKT 97801
- Needle 97800
- Denture Spoon 97812

Vector Electronic Waxer, Includes 1-Small PKT Tip 10150 ⚡

Extra Spatula Assembly (for "hot" tip quick change) 97809

Extra Spatula Assembly with tip combination (97809 + tip catalog number)

## Accessories

High quality stainless steel casting rings and color-coded urethane sprue formers.

### Easy Rings



Size	Part Number	Size	Part Number
1 1/4" D x 1 5/8" H	VMC-F125	2" D x 2" H	VMC-F20
1 1/2" D x 1 3/4" H	VMC-F15	2 1/2" D x 2 1/4" H	VMC-F25
1 3/4" D x 1 9/16" H	VMC-F175	3" D x 2 1/4" H	VMC-F30

Custom heights available. Contact Vaniman or your dealer for information. Cutting charge may apply.

### Spectrum Sprue Formers



Size	Color	Part Number	Size	Color	Part Number
1 1/4"	Purple	VMC-SB125	2 1/2"	Yellow	VMC-SB250
1 1/2"	Dark Blue	VMC-SB150	3"	Orange	VMC-SB300
1 3/4"	Medium Blue	VMC-SB175	4"	Red	VMC-SB400
2"	Light Blue	VMC-SB200			

Product Description	Page	Installed dimensions LxWxH (inches)	Max Power Req. (Amps @115V)	Max Air Req. (PSI@CFM)
Van-I-Vac & Voyager w/o Accumulator	1	14x10x12	5	-
Van-I-Vac & Voyager w/Accumulator	1	20x10x27	5	-
AbrasiveVac w/Accumulator	2	20x10x27	5	-
Large Accumulator (includes allowance for hose)	2	8x10.5x27	-	-
Accumulator XL	2	13.5x8x30	-	-
Voyager Brushless 4 Station, Voyager HV	3	18x15x28	15	-
StoneVac II	4	10x15x24.5	15	-
Workstation Attachment	5-6	5x2.25x11.75	-	-
Jet Port	5-6	6x3.5x11.5	-	-
Jet Port w/Comfort Zone	5-6	6x10.5x11.5	-	-
Mobile Jet Port	5-6	9x3.5x5.25	-	-
Polyguard I	5-6	8x8x7	-	-
Polyguard II	5-6	9.75x9x11.5	-	-
Fish Mouth Plus	5-6	7.25x8x5.25	-	-
Fish Mouth Plus w/Flex Shield	5-6	7.25x8x5.25	-	-
Flex Shield 12" Flex	5-6	6"x8" Shield	-	-
Splash Guard	5-6	10x7x8.5	-	-
Remotes (dimensions of remote box)	5-6	3.6x2.25x2	-	-
Autopilot	5-6	6x8.25x3	15	-
PureBreeze	7	18x15x30	10	
Master Problast3, Problast3	9-10	22.5x19x16	.5	100@2
Problast	9-10	18x20x16	.5	100@1.25
Problast II	9-10	14.5x14.5x10	.5	100@1.25
Master Mobile Problast, Mobile Problast	9-10	8x10.25x6	-	100@1.25
Protector Shield Small	11	12.2x5.8 (LxW)	-	-
Protector Shield Large	11	8.5x11 (LxW)	-	-
"Contact Lens" Magnifier Small	11	12.2x5.8 (LxW)	-	-
"Contact Lens" Magnifier Large	11	8x10 (LxW)	-	-
Vector	12	5.5"x3.5"x1.5"	.25	-



Vaniman Manufacturing  
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