





VACUUM GENERATOR CUP MOUNTS

"Changing the world of vacuum...

One line at a time."

www.destaco.com







The Auto-Release Venturi (ARV) Vacuum Generator Cup Mount Changing the world of vacuum...One line at a time.

Fastest vacuum and blow-off in the Industry:

One Air Line • Integrated Blow-off • Standard Silencer



The ARV offers the most comprehensive mount offering to fit any application





Auto-Release Venturi Vacuum Generator

Features and Benefits

Features		Benefits
Single Air Line Operation	5 M	 60% less air consumption lower cost pneumatic valve Only need ½ the air lines and fittings No air needed for blow-off
Atmospheric Vent	()) \$	 75% faster than the standard venturi blow-off Increased line speeds and parts per hour. 150 cycles a minute All cups release simultaneously Panels don't tip/shift or mislocate (Eliminates costly damage and downtime)
Comprehensive Mount Offering	5	 Match existing plumbing without added cost Configurations accommodate any cup location No costly extra clamps and arms Imperial or Metric external mount threads
Integrated Silencer	Ð	 Quiet operation, Less than 70dB Reduced operator fatigue
Maintenance Free Operation	' Y '	 Long lasting components Fewer costly replacements 25 Million cycles = Approx. 5 years service
Only one moving part	*	 Field repairable on tool Simple and quick to repair Minimizes costly downtime Mean Time To Repair = 1 Minute
Lightweight aluminum construction (Up to 55% lighter than the competition.)	()	Lighter tools can be moved fasterIncreasing line speed
Optional vacuum sensing port	\$	 Part present sensing without the weight (2lb) Reducted cost of additional brackets/sensors
Ease of Use	5	No need to buy new valvesCan be used with existing plumbing and valves
No screens or filters.	'¥'	 Silencer does not clog High Reliability No maintenance for long lasting continuous operation





Auto-Release Venturi Vacuum Generator

5 Easy Steps to Convert from Existing Vacuum Systems



- Step 2 Install (2) Position Valve, connect to air supply and plug blow-off port.
- Step 3 Disconnect/remove existing port-only adaptor and replace with ARV.
- Step 4 Reconnect air line to ARV
- Step 5 Verify operation.

To Completed conversion with ARV





Auto-Release Venturi Vacuum Generator

Operation for New Installations



ARV Series Vacuum Generators:

Specifications @ 4 bar [60psi]: Speed to Vacuum: 0.2-0.3 seconds Speed to Release: 0.02 seconds Air Consumption: Vacuum: 40 l/m [1.4 scfm] Blow-off: 0 Noise Level (At one meter): 68dBA Material: Aluminum

VSA Series Vacuum Generators:

Specifications @ 4 bar [60psi]: Speed to Vacuum: .36 seconds Speed to Release: 0.08 seconds Air Consumption: Vacuum: 40 l/m [1.4 scfm] Blow-off: 2.6 liters [0.09 ft³] (156 l/m [5.5scfm] @ 1 sec. duration) Noise Level (At one meter): Inline to exhaust: 76dBA Inline to exhaust with Silencer: 68dBA Material: Aluminum

Venturi Cup Mount Specifications

ARV and VSA Performance:





Auto-Release Venturi Vacuum Generator **ARV** Body Styles and Overall Dimensions





Right Hand Apple Core Left Hand Apple Core CPI-VSA-ARVL-750-(X) CPI-VSA-ARVR-750-(X)





Without Apple Core **RH/LH Spherical Ball** CPI-VSA-ARVR-000-(X) CPI-VSA-ARV(R/L)-B112-(X)



(X) Mounting Thread U38 3/8" NPT **G38**







Subject to Technical Modifications Without Notice



Auto-Release Venturi Vacuum Generator DE-STA-CO Products Mounting to the **ARV**

"Extend Arm" Swivel Arms are available

in (3) standard lengths to offer (3) ranges

of linear adjustability.

Standard Swivel Arms offers a versatile attachment point for vacuum generators and adaptors, proximity switches and nest mounts brackets.



- Single-Bolt adjustment for (3) axis
- 360° of adjustment in (3) different axes





Three-bolt adjustment system2.00" Linear Extension

- Double-Hinge Design
- Even clamping force

Spring-Loaded Cup Mounts

Available both as a standard version and extended travel version. Both versions offer several mounting options and three different travel lengths.

DE-STA-CO spring-loaded cup mounts are designed to be used with ARV vacuum generator cup mount and complete line of vacuum cups to offer a total vacuum system solution.

Patent Pending

DE-STA-CO Vacuum Cups are offered in different families, and may be offered in different durometers. Vacuum cups are also offered in Imperial and Metric mounting options which may vary according to the size and type of the vacuum cup.



Robohand DIRECTCONNECT

US Patent# 7,309,089

DLM - Mini Ball Rail Slide

- DIRECTCONNECT™ Tapped and doweled mounting on tool place and body
- Retract and extend adjustments for precise positioning with infinite stroke adjustability Longer strokes available.



PRECISELY POSITIONING OUR CUSTOMERS FOR PRODUCTIVITY.

Workholding

- Widest variety of workholding products
- High durability and reliability
- Flexible solutions for all applications
- Custom products for unique requirements

Automation

- Broad range of engineered automation products
- · Complementary products for modular integration
- Unmatched accuracy, reliability and performance
- Unparalleled global sales, service and engineering support

DE-STA-CO GLOBAL LOCATIONS

NORTH AMERICA

DE-STA-CO Headquarters Auburn Hills, Michigan Tel: 1.248.836.6700 Marketing: marketing@destaco.com

Auburn Hills, Michigan Tel: 1.888.DESTACO Customer Service: cs-workholding@destaco.com

Wheeling, Illinois Tel: 1.800.645.5207 Customer Service: camco@destaco.com

Monroe, Connecticut Tel: 1.888.DESTACO Customer Service: cs-automation@destaco.com

Charlevoix, Michigan Tel: 1.888.DESTACO Customer Service: cs-automotive@destaco.com

Red Wing, MN (Central Research Laboratories) Tel: 651.385.2142 Customer Service: sales@centres.com

SOUTH AMERICA

Brazil Tel: 0800-124070 Customer Service: samerica@destaco.com

ASIA

Tailand Tel: +66-2-326-0812 Customer Service: info@destaco.com China Tel: +86-21-6081-2888

Customer Service: china@destaco.com India

Tel: +91-80-41123421-426 Customer Service: india@destaco.com

EUROPE

Germany Tel: +49-6171-705-0 Customer Service: europe@destaco.com

France Tel: +33-1-3996-5000 Customer Service: france@destaco.com

UK Tel: +44-1902-797980 Customer Service: uk@destaco.com

Spain Tel: +34-936361680 Customer Service: spain@destaco.com

Netherlands Tel: +31-297285332 Customer Service: benelux@destaco.com



A DOVER COMPANY

1025 Doris Road Auburn Hills, MI 48326 Fax: (248) 836-6740 Technical Support E-mail: tech-automotive@destaco.com www.destaco.com



Precisely positioning our customers for productivity.

© Copyright, 2009 DE-STA-CO.

All rights with regards to logos, layout, photos and text, including all artwork, rest with DE-STA-CO. All photomechanical or other reproductions can only be made with our expressed permission.