

# PRODUCT CATALOG







Need more product info?

Visit us at www.coyoteprosthetics.com for more

information, videos, tips and instructions.

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# **ABOUT COYOTE**

At Coyote we are not only concerned with making quality products and providing excellent customer service, but also with creating a quality place to work and live. Our efforts toward a friendly, environmentally responsible workplace have earned us a Blue Ribbon Small Business Award from the U.S. Chamber of Commerce.

# Made in the USA

More than 90 percent of our products are made in the USA. Most are made within a few miles of our home office in Boise, Idaho.

# Front Cover

Tom Whittaker, in 1998 was the first amputee to summit Mt. Everest. He mountaineered the summit using a prosthesis designed and built by Coyote® co-founder Dale Perkins, CPO.



419 N. Curtis Rd. Boise, Idaho 83706 www.coyoteprosthetics.com (208) 429-0026







A lightweight, dual-suspension pin system designed to combine suction suspension comfort with pin suspension security. The airtight seal prevents air from coming into the bottom of the socket, creating suction and reducing pistoning even without a sleeve! For patients who struggle with pin engagement, use the Deep Air-Lock with the 11 click pin.

- Suction allows for less traction on the limb for increased comfort and decreased liner wear
- Expulsion valve or suspension sleeve are not needed to maintain suction in most cases
- (V) Water-resistant
- Do not use with elevated vacuum



CD103WH Lock wrench Makes maintenance easy.



Pins are now sold separately and come in a two pack.





CD103D - Deep Air-Lock



CD103MD - Medium Deep Air-Lock



CD103SD - Small Deep Air-Lock



CD103AF **Alignable Connector** Offset up to .6"



**One-Shot Connector** Offset up to .6"



CD103SDI **Single Direction Insert** Offset up to .33"



CD103MDI Multi-Direction Insert Offset up to .33"



8-click Pin 1.3" long. Includes spacers



CD103P11 10 mm. Two Part 11-click Pin 1.65" long. Includes spacer



10 mm. 8-click Brass For active, heavier patients 350 lbs capacity 1.3" long. Includes spacers



10 mm, 11-click Brass For active, heavier patients 350 lbs capacity 1.65" long. Includes spacers



1.3" long. Includes spacers

CD103PX 6 mm, Two Part 8-click Pin



1.3" long. Includes spacers

# **ADDITIONS**

# EASY-OFF™LOCK USA USA



Very similar to the Air-Lock in that it stays airtight to create suction in the socket, the Easy-Off Lock can be used with elevated vacuum. Its unique lever design also makes doffing easy, especially for amputees with hand strength issues, arthritis or trouble reaching the release button.

- Easy donning and doffing with lever release
- Self-lubricating materials reduce wear
- (>) Water-resistant
- (2) Can be used with elevated vacuum
- Airtight "suction" or vacuum suspension with the safety and security of a pin



CD117 | Easy-Off Lock

Patent No. 6334876.

Other patents pending



CD117D | Deep Easy-Off Lock

Easy removal without holding release button. Push or pull to release.



Pins are now sold separately and come in a two pack.

CD103AF **Alignable Connector** Offset up to 0.6"



**CD111 One-Shot Connector** Offset up to 0.6"



CD103SDI **Single-Direction Insert** Offset up to 0.33"



CD103MDI Multi-Direction Insert Offset up to 0.33"



**CD103P8** 10 mm. Two Part 8-click Pin

1.3" long. Includes spacers



CD103P11 10 mm, Two Part 11-click Pin

1.65" long. Includes spacers



**CD103P8H** 10 mm, 8-click Brass For active, heavier patients 350 lbs capacity

1.3" long, Includes spacers 1.65" long, Includes spacers



CD103P11H 10 mm, 11-click Brass For active, heavier patients

350 lbs capacity 1.3" long. Includes spacers



CD103PX **CD103PO** 6 mm. Two Part 1/4x20 mm, Two Part 8-click Pin 8-click Pin

1.3" long. Includes spacers Covote Design Catalog | 5

# GROMMET LOCK WASA

Designed with pediatric patients in mind, the Grommet Lock is simple, lightweight and durable for use with upper and lower extremity. Just like our adult locks, it has multiple connector options for fabrication of a lower extremity prosthetic.

### CD104 | Grommet Lock





- Pediatric only
- (2) Lightweight, durable plastic
- (Vater-resistant
- O Can be modified for minimum clearance
- Ocan be used in upper and lower extremity prosthetics
- Three thread options for any liner type (10mm, 6mm, 1/4 x 20)
- Weight limit of 100 lbs

Pins are now sold separately and come in a two pack.



CD104P10 10mm Pin





CD104PO 1/4 x 20 Pin



CD104P6H 6mm



1/4 x 20

# DROP-IN LOCKS WSA





#### CD122A | Air-Lock Drop-In

Build Height: 2.010"

First locks designed for 3D printed sockets and traditional fabrication.

- (V) Water-Resistant
- Airtight suction dual suspension security of a pin
- Expulsion valve or suspension sleeve not needed in most cases
- (2) Great for 3D printed sockets For 3D printing contact Coyote® for your STL and OBJ Files.

#### Easy-Off Drop-In CD122E

Build Height: 2.175"



Easy donning and doffing with lever release

# CD122AFD | Drop-In Air-Lock

**Fabrication Dummy** 

CD122AFD - Fabrication dummy sold separately.



# CD122EFD | Drop-In Easy-Off

**Fabrication Dummy** 

CD122EFD - Fabrication dummy sold separately.



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# CONNECTORS WASA





#### CD103AF | Alignable Connector

Up to 0.6" of offset, 35g. Ideal for use with Air-Lock and Easy Off Locks. Can be alued to the lock in any offset position for fabrication into the socket, or keys directly onto locks when used with inserts. Eliminates need for offset components. For laminations or thermoforming, 265 lb weight limit.





#### CD103MDI | Multi-Direction Insert

Up to 0.33" offset in two directions. Installed into connector to allow connector to be keyed onto bottom of lock in centered position or offset in two directions. For laminations or thermoforming. Use with Alignable Connector or One-Shot Connector





#### CD103SDI | Single-Direction Insert

Up to 0.33" of offset in one direction. Installed into connector to allow connector to be keyed onto bottom of lock in centered position or offset in one direction. For laminations or thermoforming, Use with Alignable Connector or One-Shot Connector





#### CD111 | One-Shot Connector

Up to 0.6" offset, 44q. Connector with tie off ring for easier lay-ups. Lower profile than Alignable Connector. Can be glued to lock in desired location or keyed onto lock using inserts. For laminating only, 265 lb weight limit,





#### CD119SC | Test Socket Connector

Economical, cost effective, easy way to glue on connector designed specifically for Vivac check sockets. Connects to standard four hole componentry with our new high strength bridging design. Bonds well with Coyote Quik Adhesive. 11/16"height, 2 3/4" diameter, reusable.



#### CD106 | Alignment Coupler

Offset for ML and AP of 0.64". Easily installs on four hole connector. Easy to adjust with 3mm wrench. For fitting purposes only, 265 lb weight limit.





#### CD103PFF | Pediatric Fast Four Connector

Pediatric four-hole connector that keys directly onto the center of the lock for easy and fast fabrication. Used with Grommet Lock, Small Air-Lock or Medium Air-Lock. For laminations or thermoforming. 100 lb weight limit.



#### CD103PAF | Pediatric Alignable Connector

Pediatric four-hole connector that keys directly onto the center of the lock for easy and fast fabrication. Used with Grommet Lock, Small Air-Lock or Medium Air-Lock. Laminating or thermoforming. This model can be used to offset the connector from the bottom of the pin in virtually any location by up to 0.25".



### CD115CF5 | 5 Degree AK Connector

Capable of up to 1.5" of Offset with 5 degrees of flexion angle. Connectors primarily use is with Lanyard Pin (CD118P) lanyard locks (CD103L, CD117L) can also be used with other Coyote® locks or the Integrator. Eliminates the need for offset components. For lamination or thermoforming, 265 lb, weight limit,

# ACCESSORIES WASA

CD120 | Lanyard Plastic Puck

AK BK





CD103FL | Fitting Lock

Air-Lock housing with reinforced distal end for accurate evaluation of lock pin spacing to improve seating of pin in lock. Ideal for reducing play in lock. Contact Coyote Design for long pin (Deep Air-Lock) fitting locks. For fitting only.

This is a simple, lightweight, ultra low build height lanyard lock that helps pistoning. Our new design for the metal puck has the connector posts built in for easier layups. The lanyard is segmented making easy length adjustments. They work well for simple visual donning and doffing and have 1K to 4K activity levels.



Added to end of release button to make it easier for patients to release the lock. Ideal for geriatric patients or others with lower dexterity or limited hand strength.



CD103ELP | Exo Lamination Plug

Used when fabricating the Air-Lock in Exo sockets.



#### CD103FD Fabrication Dummy

Recommended for fabrication of flexible inner liners or for inner layer of PETG with Elevated Vacuum. NOT used in "drop-in" system.



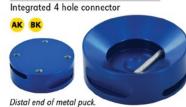
# CD121P | Lanyard Metal Puck with Posts



CD121PD Lanvard Aluminum **Dummy with Posts** 



CD121 | Lanyard Metal Puck





CD121D | Lanyard



# **ADDITIONS**

# LOCKING LANYARD

# USA





- The lanyard pin helps elongate the limb when donning.
- The pin gives audible confidence of engagement.
- The o-ring at the end of the pin creates an airtight socket helping to reduce air noise.

Fabrication with the 5 Degree AK Connector eliminates the need for offset components.

Same simple fabrication as the Deep Air-Lock and Deep Easy-Off Lock pin systems.

### CD117L | Easy-Off Locking Lanyard

Lever Design / Push Button, lanyard lock

- Easy donning and doffing with lever release
- (Vater-resistant
- Airtight "suction" with the safety and security of a pin





#### CD103L | Air-Lock Locking Lanyard

Push Button Design, lanyard lock

- Suction allows for less traction on the limb for increased comfort and decreased liner wear
- Expulsion valve or suspension sleeve are not needed to maintain suction in most cases
- (Nater-resistant



### CD115CF5

**5 Degree AK Connector** 

Capable of up to 1.5" of Offset with 5 degrees of flexion angle.



# CD118P **Locking Lanyard Pin**

350 lbs capacity, 1.65" long. Includes cord and spacers.



# CD118PD **Lanyard Pinch Disk**

Holds Lanyard cord to side of socket.

One pin is included with the locking lanvard locks

# **ADDITIONS**

# PROXIMAL LOCK WASA

Couote <u>Prosthetics</u>

Simply easier. Designed to control rotation and be more user-friendly, the Proximal Lock attaches over a larger area, which distributes weight more evenly. The adhesive included with each lock is flexible even after it sets, making donning simpler.



The Proximal Lock now includes a reinforcement strip for extra reinforcement, less friction and repair.



and liner attachment.



CD116SA | Silicone Adhesive for Proximal Lock

Additional adhesive if needed. A tube is included with each lock.

- > ZERO CLEARANCE lock
- ( ) Controls rotation
- Use with your choice of distal adapters
- Ideal for long limbs with minimal clearance
- \( \rightarrow\) Larger attachment distributes more tension
- Flexible attachment rolls on easier
- Can be used with seal band liners
- Adhesive included with each lock
- () Lock can be retrofit
- (L5671) Bills like a distal pin lock system (L5671)

# CD116 | Proximal Lock







Includes liner attachment, lock, fabrication dummy, glue form, and adhesive.

Patent No. 6566894, 7431738, 7077868. Other patents pending.



# SUMMIT LOCK WAREN

Specifically for long limbs, the Summit Lock is designed to control rotation and requires zero clearance! There's no need to purchase a locking liner and you can use any socket adapter.

CD101 can be retrofit.

- (2) Liner attachment shape makes the liner simple to roll on
- (2) Easy to cover cosmetically

**ADDITIONS** 

(2) Ergonomic tab feeds easily into lock



Base Length 1.75"

Liner attachment is applied with "Coyote Quik Glue" or a 5 minute epoxy. Do not use silicone based adhesive.



CD401 | 6-Pack Extra Mix Tips For 50cc cartridge CD402 | 20-Pack Extra Mix Tips For 50cc cartridge

CD101

Summit Lock

# WAVE SUCTION BAND

USA

#### **Wave Suction Band**

The Coyote Wave Suction Band comes in multiple sizes.

- The Suction Band helps create dual suspension in combination with our Proximal, Summit and Low-Pro Locks.
- The airtight suspension produces a more intimate fit with added security.

The Hands-Free Valve or Push Button Valve are recommended to relieve suction when donning and doffing.

Part Number	Size	Circumference	Width	Thickness
CD130BS	Small	16cm - 25cm	7.62cm	4mm
CD130BM	Medium	25cm - 37cm	7.62cm	4mm
CD130BL	Large	37cm - 49cm	7.62cm	4mm
CD130BX	Extra Large	49cm - 64cm	7.62cm	4mm

Silicone adhesive is included.

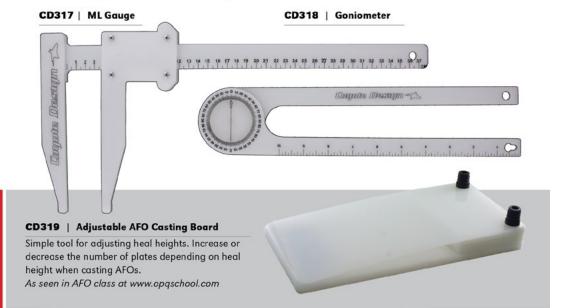
The sizes are quidelines and can very depending on the patient. Smaller sizes are more snua.





# MEASURING WAREN

This ML Gauge and Goniometer were designed specifically for measuring prosthetic and orthotic patients. Priced right and built to last. They are the same gauge and goniometer as seen in our Q Schools on-line casting and modification classes.



# DYNAMIC STRUT AFO WSA



# **AFO Strut Choices**

# CD205R (Rigid Flex)

Patient Weight Range: 175 - 265lbs Patient Activity Level: Medium Activity Level

# CD205M (Medium Flex)

Patient Weight Range: 125-200lbs Patient Activity Level: Light to Medium Activity

For fit, comfort and optimal ambulation our posterior dynamic strut is mounted to a custom thermoformed AFO. The strut is designed for average daily use; walking, working, hiking, biking, golf. Has not been tested with running.

Great for drop foot; the Dynamic Strut AFO also improves gait and is designed with affordability and adjustability in mind.

Over time, the strut may wear out but is easy and inexpensive to replace.

Replacement strut part numbers (Rigid Flex - CD205RS, Medium Flex - CD205MS)

> Testimonials and demonstration videos can be found at www.coyoteprosthetics.com



# SMALL PEDIATRIC AFO STRUT

# CD205PS | Small Pediatric AFO Strut

Patient Weight Range: up to 90 lbs. Patient Activity Level: All Activity Levels

A more streamlined AFO that vents well. Lighter weight than a solid AFO.

# **Practitioner Points**

- More torsion (Axial Rotation)
- Helps with hemiplegia, Cerebral Palsy, Spina Bifida when there is correction needed in the foot.
- Helps with Tri-planar control along with control in the Sagittal and Coronal planes.
- Dynamic return with Plantar flexion Resist/Dorsiflexion Resist.





# **Technical Points**

- Simple design
- Adds strength, reinforcement and support to

Thermoplastic AFOs.

- All activity levels for children up to 90 lbs.
- Oncave design for strength and thermoplastic vacuum drawing compatibility.









# ADHESIVE

# Ideal Multi-Purpose Adhesive

Great for any situation when you need something glued guickly and easily. Both Adhesives ship non-hazardous and are safe with no odor.



Very quick set with no sag

CD4150 | Quik Glue White

30 Second, 50cc cartridge. Dispenser or plunger required; includes 1 mix tip.

CD4220 | Quik Glue White

\*Recommend purchasing additional tips - Tips must be replaced prior to each use.

30 Second, 220 cc cartridge. Dispenser required; includes 1 mix tip.





Repair sockets



Gunk adapters on to sockets



CD4150P Coyote Quik Glue with

50cc cartridge, plunger and 1 mix tip







Plunger



Coyote Design

CD4220S - 220cc BLACK

60 second set time 7 minute full cure time

All purpose urethane adhesive designed

to set up fast, hold shape with no sag.

CD4220S | Quik Glue Black

60 Second, 220 cc cartridge. Dispenser required; includes 1 mix tip.

CD4250 | **Quick Glue Black** 

60 Second, 50cc cartridge, Dispenser or plunger required; includes 1 mix tip.



(2) Longer set time with no sag





(2) Easy to smooth



Added flexibility works well for attaching CD101 Summit Liner Attachments to fabric backed liners.



Attaching Valves

**ADDITIONS** 

CDDMA51 | Dispenser 50cc cartridge for 50 cc cartridge

CDDM220 | Dispenser 220cc cartridge for 220 cc cartridge



CD401 6-Pack Extra Mix Tips CD402 | 20-Pack Extra Mix Tips

for 50 cc cartridge

Coyote Design's auto expulsion valves are easy to install in new sockets with fabrication tooling or retrofit. The built-in auto expulsion quietly expels air all day with no fuss and features a higher "crack" pressure than most valves, which helps to create a higher level of hypobaric suspension.

### CD105 | CQL Auto Expulsion Valve

Height: 11mm. Patent pending.

- ( Easy to clean and retrofit
- (2) Quiet expulsion
- \( \rightarrow\) Low profile
- Includes a filter to block debris

#### CD105HF | HandsFree Valve

Height: 8.5mm. Patent pending.

- Works with seal band liners
- Manual twist open airflow
- Flexible inner style valve









CD105T | Twist Valve Give it a twist to manually release suction in the socket

Height: 11mm Diameter: 33.5

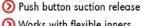
Hard socket only

- (2) Easy to clean and retrofit
- Twist control of expulsion
- () Low profile

- O Creates direct airway into socket, no filter to get plugged up.
- \( \) Large gir vent for easy donning and doffing
- (2) Can be used with vacuum

### CD105PB | Push Button Suction Valve for hard socket

Height: 17mm Digmeter: 40mm



Works with flexible inners

Coyote Designs push button manual expulsion valve.

Works with flexible inners. Install using fabrication tooling.



#### CD105PBF | Push Button Valve for Flexible Inner Socket

Height: 17mm Diameter: 40mm

This push button manual expulsion valve can be connected directly to a flexible inner liner.

- Push button suction release
- ( Locks hard socket to flexible inner.



Anodized Black

# The Integrator™

The Integrator Socket Adapter, when used with one of our connectors, can be built into alignment in one step with a clean inside socket finish. Ideal for AK or BK sockets.

CD108 | Integrator™ (2 3/8" diameter) AK BK



Standard size, fits most lower extremity limbs. Integrator glues to mold. Alignable Connector with or without inserts is keyed onto Integrator and both parts are fabricated into socket. 265 lb weight limit. Thermoforming or laminating.



CD108S | Small Integrator™ (2"diameter) AK BK



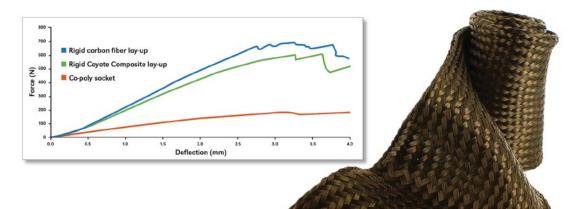
Smaller size for smaller limb shapes. 265 lb weight limit. Thermoforming or laminating.

# COYOTE COMPOSITE

A great alternative to itchy, expensive carbon fiber braid! Coyote Composite, is made from basalt filament, a safe, tough material for composite sockets and AFOs. Also relatively easy to cut and finish compared to other materials.

- () Extremely durable
- Resistant to cracking
- (2) Less itch than carbon
- Non-carcinogenic and non-toxic

- Strong and lightweight
- Finishes smooth, with superior resin saturation
- Unique dampening characteristics
- () Less expensive



Coyote Prosthetics

Resin Coyote Composite works with typical prosthetic resins and saturates much better than carbon.

Saturation and Laminating Because of its superior saturation it's important to prevent resin starvation. Lamination starvation will cause frayed edges.

Finishing Coyote Composite finishes easily. Use sharp tooling at slow speeds to finish. In some cases, you may need to wet-sand.

Relieving Coyote Composite is heat- and flameresistant and isn't damaged by heating. It allows for limited adjustment based on the type of resin used.

**Safety** Because of the inert nature of basalt, it is not a carcinogen. Also, Coyote Composite is between 9 and 16 micrometers in diameter, which is too large to be an inhalant risk. Basalt also causes significantly less skin irritation.

Composite on outside of lay-up



Composite on inside of lay-up



# COYOTE COMPOSITE :



**Braid** Our proprietary braid was designed to be used in equivalent amounts to carbon. Coyote Composite is more flexible than carbon (we consider this to be an advantage), but if you need to match the rigidity of a carbon socket, use additional layers of stockinette and/or carbon tape.



Fabric Coyote Composite fabric sheeting can be used for reinforcement layers of heavy duty sockets and/or AFOs. The material is thin and lightweight which allows for greater flexibility in adding the ideal amount of reinforcement.

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pric		Туре	TPI*	Length/(ft)
P.	CD	F	350	3

#### Fabric available in

.17 mm Thickness Has a Bi-directional weave

# **Ordering options**

	Туре	Size (in)	Length/(ft)
CD	В	3	10
CD	В	3	20
CD	В	3	82
CD	В	4	10
CD	В	4	20
CD	В	4	82
CD	В	5	10
CD	В	5	20
CD	В	5	82
CD	В	6	10
CD	В	6	20
CD	В	6	82
CD	В	7	10
CD	В	7	20
CD	В	7	82
CD	В	8	10
CD	В	8	20
CD	В	8	82
CD	В	10	10
CD	В	10	20
CD	В	10	82

# **a** school



Get access to new techniques and methods on-line from your office or home through our first-level continuing education programs. Prosthetic, AFO, and technical workshops are available on-line.

More information at:



# 10018

# SILENT AIR COMPRESSOR

Coyote Prosthetics & Orthotics

Plaster Spreader

Used for build-ups during

modifications. The tool is easy to clean and won't stick to plaster.

CD301 | Extractor Socket Removal Tool

The Extractor quickly and easily removes most molds from the laminated or thermoformed socket without damaging the mold or socket. Includes adapter for sockets with four-hole connectors.

# CD309 | Modification Handle

Blades, flat- or half-round.



Made of non-stick, durable material, its easy to grip and clean. Wide base won't tip over.

Allows for modifications while keeping fingers and knuckles clear of abuse. Easy to clean and replace blades, and reduces blade breakage. Works with 10" Stanley Surform



These silent air compressors are dependable, vibration free, and compact that have noise levels as low as 30 dB/A.



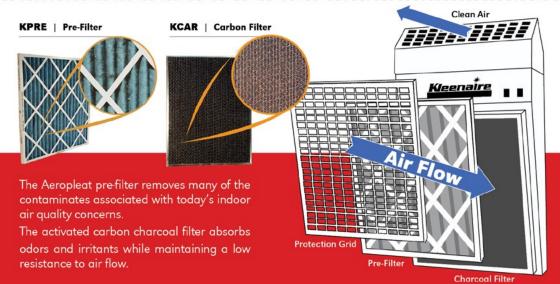
Each high performance compressor is built with quality in mind, and comes fully equipped with powder coated air tank, pressure switch, 5 micron line filter, pressure regulator, and gauges for easy installation and trouble free operation. When operating under full load this line of exceptionally quiet air compressors offers decibel levels as low as 30 dB/A.

Visit our website for more information of the different silent air compressor packages.

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# KLEENAIRE WADEIN





# **Replace Your Filters**

\* Replacement filters can be ordered through your distributor or call: 1-208-429-0026

See Manufacturer's Capacity Index chart for information on contaminates removed by the charcoal filter.

For more information go to www.coyoteprosthetics.com

# **2-Year Warranty**

You want products to last and we want to learn how to make them last longer. This is why we offer a TWO YEAR warranty from date of purchase on all our products\* against manufacturer's defects, excessive wear or breakage. You don't pay for shipping.\*\*

- 1 Call and let us know if you need a part replaced. (208) 429-0026.
- 2 We will need a PO to ship you a new part. We will then invoice you for the part and the shipping.
- 3 We will fax or email you a Return Authorization Form for you to complete.
- 4 Ship the damaged part and completed form to us. Charges bill to our UPS account.
- 5 After inspection and approval\*\*\* of returned part, we will issue you a credit. No charge for ground shipping.
- Warranty does not apply to the Coyote Suspension Sleeve (CD107)
- \*\* A 90 day limited warranty applies to the Dynamic Strut AFO (CD205R, CD205M) call for details.
- \*\*\* Parts must be used under reasonable and normal circumstances.
- \*\*\* All Kleenaire blowers are warranted for 1 year from date of original purchase. See warranty for details.

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# KLEENAIRE WSA



#### KLEENAIRE | Dual Filtered Air Purification System

Patent US D536, 432S

- The affordable alternative to purify the air
- > For residential, commercial, or manufacturing
- (2) Easy to install, maintain, and cost effective
- O Controls dust, removes odors and contaminates
- Migher air quality and healthier working environment
- Designed for minimum noise and high air flow

# Kleenaire

# **Specifications**

#### Fan Measurements

- 39" H x 22" W x 9" D

### Weight

- 52 lb.

## Voltage

- 110 volt-Plugs into any existing wall plug (4.04 amps max.)

#### Cubic Feet of Air Moved Per Minute

- High Speed 582 CFM
- Low Speed 315 CFM

Example: A room that is  $10' \times 10' \times 8'$  with the fan on high speed will move air through the filters every 90 seconds

