accudraft

FINISHING SYSTEMS

SPACE SAVER

Semi-Downdraft Paint Booth

FINISHING SOLUTIONS FOR EVERY SHOP

SAIMA of North America Inc. | Randolph, New Jersey 07869 | 800.524.0340
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SPACE SAVER



High Performance Space Saver...

The Accudraft Space Saver is a high performance paint booth that allows the user to spray, flash, cure, and cool down in order to increase production. A small footprint and overhead air makeup unit save valuable shop space. Direct fire heating with heat recycle saves thousands in operating costs.

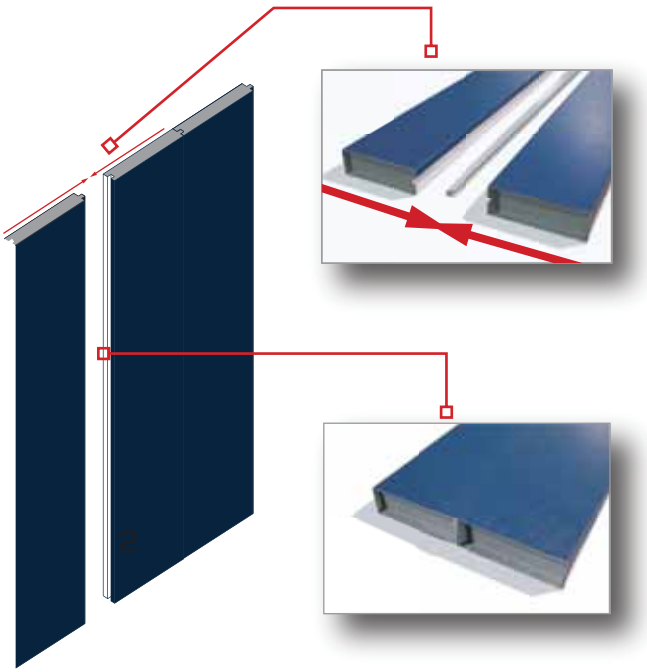
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SAIMA
Since 1977

Insulated Simple Joint Construction

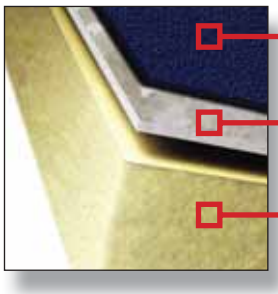
Interlocking Panel System

The Simple Joint construction creates a workspace that is well sealed and strong enough to hold up to the requirements of high production shops. Galvanized steel and industrial PVC coatings provide the hightest grade of durablity and outdoor weather resistance available. The Simple Joint design also produces a neat and clean finish that is free of bolts or screws on both the inside and outside of the cabin.





Exterior



Textured Vinyl Exterior

Galvanized Steel

Non-flammible Insulation

Interior



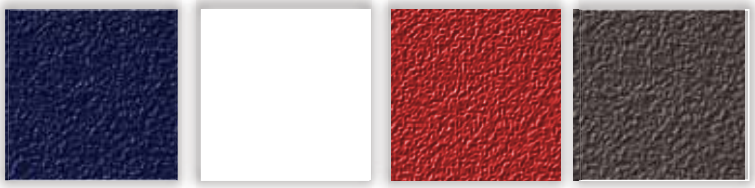
Ultra- White Non- Reflective Vinyl Interior

Industrial Vinyl Coating

Interior & Exterior

- Galvanized Steel
- Chemically Bonded PVC Coating (Interior & Exterior
- Manufactured & Shipped with Protective Polyethylene Coating
- 24 Inch Interlocking Male & Female Panels
- Insulated Dual Skin Construction
- Non-flammable Insulation

Available Exterior Colors:



Accudraft Blu™ | Ultra White™ | Furia™ | Grigio™

Workspace Lighting

Daylight Corrected Illumination

- Color Correct LED lighting
- Shadowless Lighting Design
- 45° Inclined Upper Light Banks
- 48" Vertical Wall Lights (recessed)
- (23) Four-tube Light Fixtures Total*

*At standard sizes





Accudraft ITALIA spray booth with vertical wall lighting.

Work with shadow free daylight corrected light





Lab certified explosion proof light fixtures protect against potentially explosive materials. Inside accessibility allows easy tube changes from inside the workspace. If a light door is open, the light fixture will automatically shut off the user's spray gun to prevent any potentially hazardous fumes from being introduced while the fixture is being serviced. Inside accessibility also allows for more installation flexibilty. The system can be installed in a shop corner or up against existing structures since space is no longer needed to access the outside of the light fixture.

MAGNA II

Explosion Proof Light Fixtures

- Vinyl Coated
- Hinged Inside-Access Glass Lenses
- LED Energy Efficient Bulbs Included
- Daylight Corrected for Superior Color Matching
- Lab Certified for Hazardous Locations
- (Class I : Div. II)
- ETL Listed

Ceiling Filtration

- 5-Micron Downdraft Diffusion Cieling
- Full Width Ceiling Filtration
- EZ-Clip Filter Change System







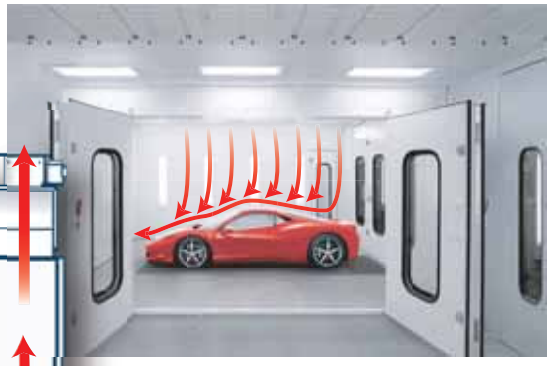
EZ-Clips

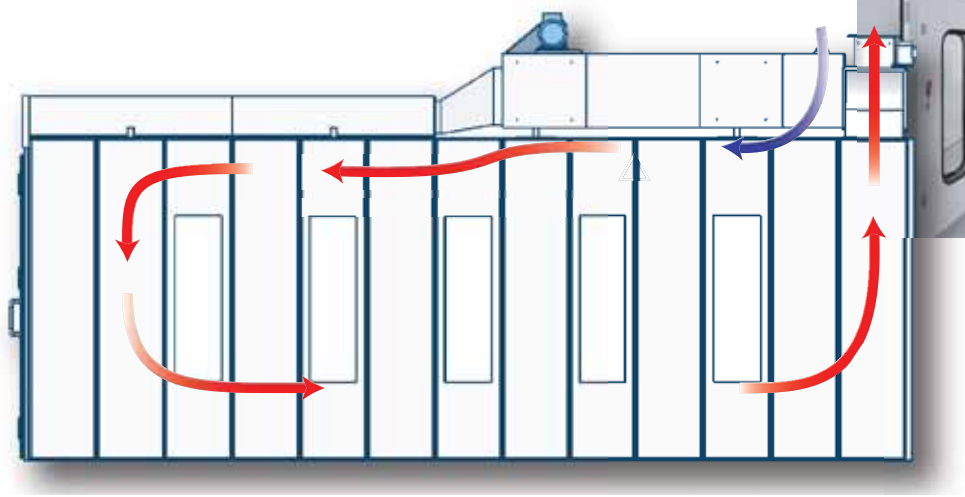
Tools Free Ceiling Access

EZ-Clips allow for fast and tools-free ceiling filter changes. Changing ceiling filters can be completed in less than 30 minutes and can be performed by one man.

Airflow Pattern

The Accudraft Space Saver provides a complete semi-downdraft envelope around the vehicle. Ceiling air reaches all areas of the workspace and flows toward the columns behind the vehicle





High Airflow

- Fast & Effective Overspray Removal
- Meets & exceeds OSHA regulations



Smooth Glide Hinges

Industrial nylon axis. (6) Nylon isolation bushings per hinge. Includes personnel door.

Vertical Light Fixtures
- (23) Fixtures
- 48" Long
- 4 tubes each
- Inside access

ETL lab-certified explosion proof.







SmartPad™

Digital Control Panel with Dual Mode Technology.

Mode 1 - Urethanes, Mode 2 - Waterborne

Tempered Glass Windows

Standard on all Accudraft Titan door assemblies



Recessed Door Hardware

Locking mechanisms are built into each door, ensuring a proper closure. Recessed handles and integrated door hardware provide a neat and clean appearance free of bolts & bars. Wire mesh reinforced glass provides added strength & durability on all observation windows including personnel access door, drive through doors, & optional 6-door side-entrance doors.

EZ-Clip Ceiling Filters

No more time consuming filter changes. EZ clips & hinged filter frames make filter changes a quick and simple process.



Superior Ceiling Filtration

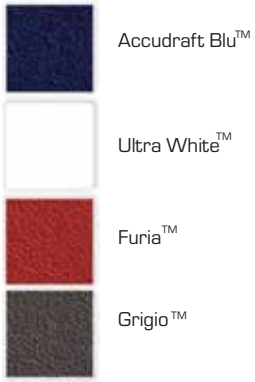
5 Micron air quality. Perpendicular compression edges are built into each filter frame for a continuous seal around each filter.

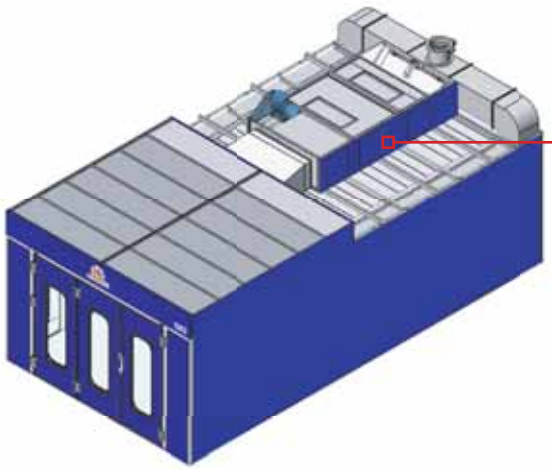




Insulated Dual Skin Construction

Galvanized steel with bonded PVC exterior and interior





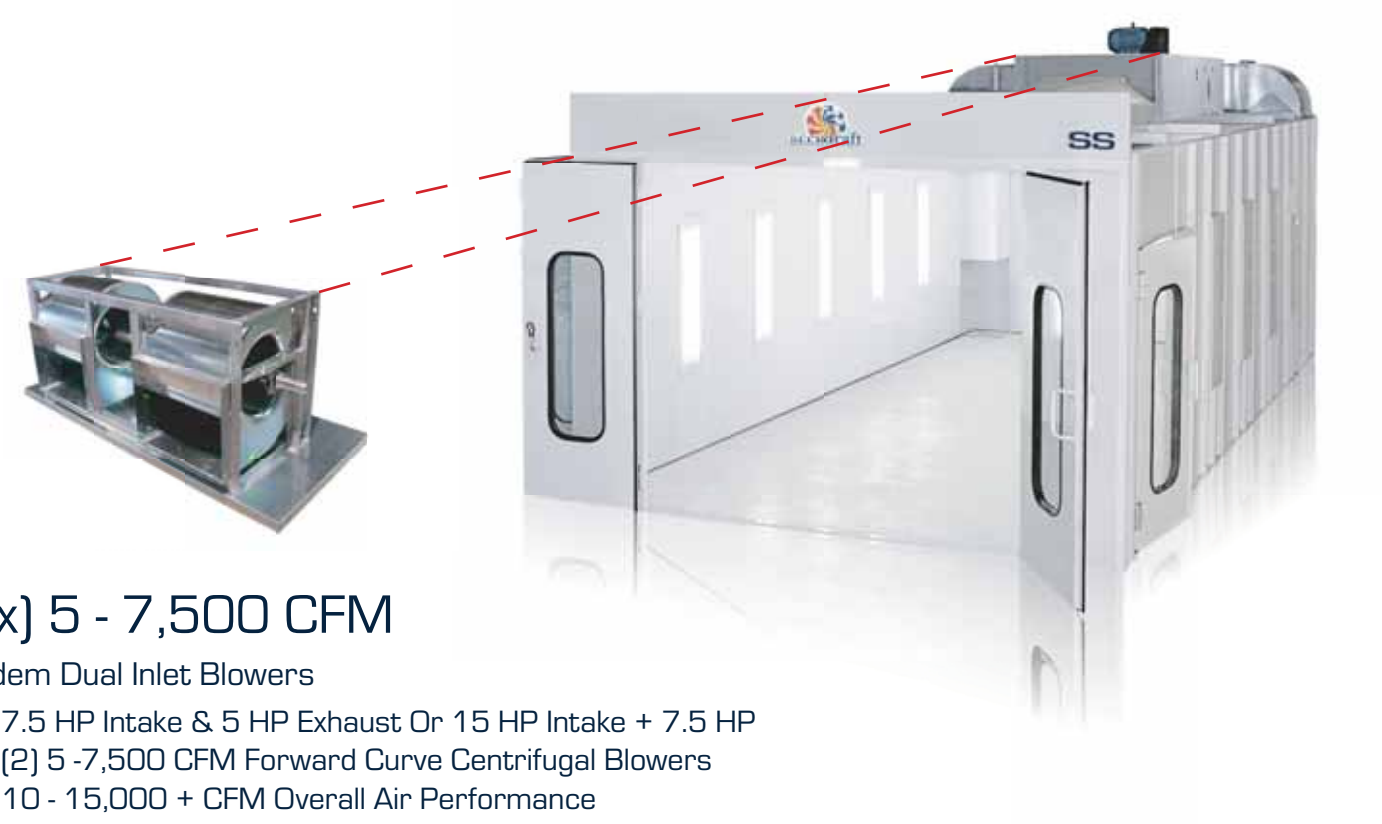
Above Ground Installation

- No concrete work
- Increased floor space
- Overhead AMU reduces overall footprint size

7.5HP & 5HP VFD Package

Provides up to 50% in electrical energy savings.





(2x) 5 - 7,500 CFM

Tandem Dual Inlet Blowers

- 7.5 HP Intake & 5 HP Exhaust Or 15 HP Intake + 7.5 HP
- (2) 5 -7,500 CFM Forward Curve Centrifugal Blowers
- 10 - 15,000 + CFM Overall Air Performance
- Fits Under 13' Ceiling (approximate)*

Choose your airflow package

The Accudraft SS™ is available in two sizes. The standard model delivers 10 - 12,000 CFM+ of airflow through the space using tandem double inlet centrifugal blowers to fit the lowest of ceilings. Fits under a 13' ceiling height (approx. 13' to the top of the intake motor)*. The larger model uses 15 HP motor to deliver 15,000 CFM of airlfow with 1.2 Million BTU's of heating power.

*Approximate heights based on SS starting size (26'x13'x9') (LWH). Height details expressed are approximate and are not to be used for construction.



Clean & Energy Efficient

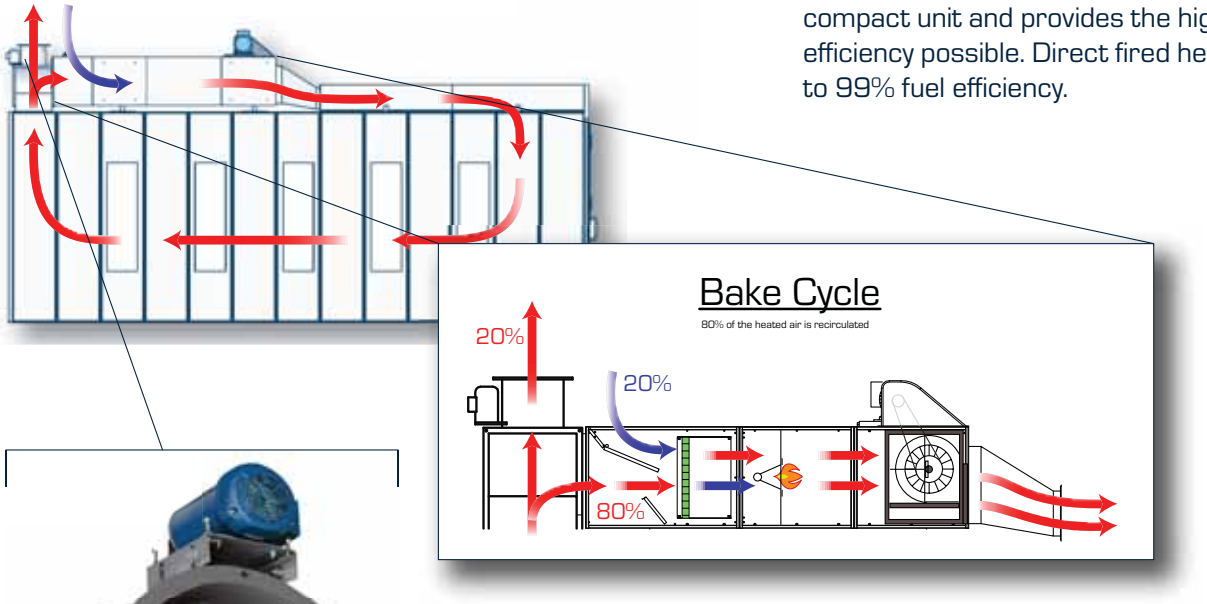
Pre-filtration, & Re-filtration

- Pre-filtration (Accepts Flat Insert Media)
- 80% Heat Recycle
- Includes Recycling Stage Re-filtration



All cost values & references are estimated and are not guaranteed. Actual operating costs may vary.

When Compared to basic heated spray booths, the SS can use up 30% less energy. Integrated heat recycling connects intake and exhaust in one compact unit and provides the highest form of heat efficiency possible. Direct fired heat gives the SS up to 99% fuel efficiency.





Tube-Axial Fan

Exhaust System

- Provides Powerful Exhaust Airflow
- Joins to Intake System for 80% Heat Recycle
- Non-Sparking Construction

Work Phase
Prep, Spray, Flash

The Italia provides a clean and comfortable work environment during the work phase. The user can prepare the job, mask, apply coatings and flash off during this phase. The mechanical group performs at full power, providing a strong downdraft and positive pressure. This ensures a clean workspace by pushing dust and dirt away from doorways & seals. High speed airflow provides fast overspray removal and produces short flash times between coatings.





Cure Phase
High Temperature Drying

During the cure or “bake” phase, air is heated to the coating’s recommended curing temperature. Air is recycled past the burner for heating speed and maximum efficiency. The curing phase is divided into two distinct processes. The first is a pre-heating process that introduces extremely hot air to get the metal or substrate to the proper temperature. Once that temperature is reached, a lower secondary temperature is maintained throughout the remainder of the cure phase.

Cool Down
Cools & Hardens

Technically the final stage of curing, the cool phase brings the coating and substrate temperature down to further solidify and harden the coating. Cooling is essential to good finishing and the workspace must be cooled in order for the user to work comfortably on the next job. With about 4 exchanges of air every minute, the Italia cools very quickly and keeps job production moving fast.

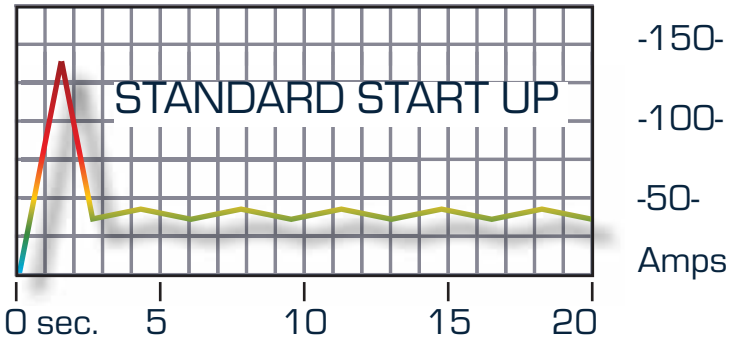


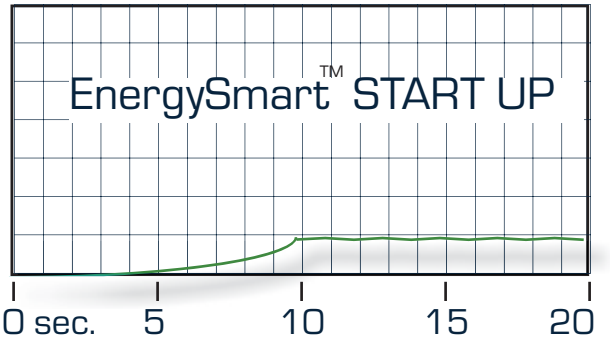
SmartPad Controls ▶

- Digital Control Panel
- Digital PLC Controller
- Dual Modes for Standard and Waterborne Paint
- Allows for EnergySmart ™ System with STANDBY









Standard Start-up

Traditional motor start-up causes a spike in power draw. Most utility companies charge a service factor and rate the facility according to the highest possible power draw.

For Example: Motors that are rated for 25-30 Amps of running power may spike to over 100 Amps momentarily as the turbines wind up from a standstill. After a few seconds, the power draw levels out , but the damage has been done. The shop will now be charged according to the "spike" rate, not the lower running rate.

▲EnergySmart START UP

WIth Accudraft's EnergySmart™ Feature, motors are gradually started in order to get the turbines spinning. Each VFD drive continues to increase each motor's speed until the proper amperage is reached. This eliminates the spike in power and can save 30% or more on electrical usage.

The SmartPad™ digital control panel gives the EnergySmart system two additional functions. First, the VFD drives automatically maintain pressure inside the spray area by adjusting turbine speeds accordingly. Second, the drives drop all motors to idle when the spray gun in not in use. This allows the system to run at full power only when the user is spraying and can save thousands in energy usage over the course of a year

EnergySmart VFD ▶

- Save 30% or More on Electric Usage
- Automatic Pressure Control
- STANDBY Feature - Drops system to idle statewhen not in use



Superior Build Quality ▶

Welded Structural Steel

- Welded steel door frames
- No flimsy sheet metal parts
- No field work or fabrication required by installers



Welded Upper Threshold Supports ▼





Welded Upper Personnel Access Door Frame ▼

▼ A Bit Of History

The Crossroads Of Technology And Old-World Craftsmanship

Accudraft's signature structure has been a symbol of its unparalelled quality for over 35 years. Build quality is the cornerstone around which all Accudraft products are engineered and it's place stems from th origins of the company itself.

Accudraft products originated near the town of Arezzo, a region in Italy known for its artisian or "artigiano" roots in metalworking. During industrialization, local craftsman brought their passion for superior quality to the foundries and industrial factories. Weather the finished product was a high level of quality that people could see and feel. This became the cultural signature of the region and back in 1977, it ended up shaping every step of production on the first ever Accudraft spray booth.

After more than 35 years, each main door assembly is still individually test mounted in the factory before it is dismantled, crated, and shipped

Superior Build Quality

Heavy Duty Hardware





(6x) Super Duty Nylon Sheaves ▲

◀ Nylon Axis Hinges

Heavy Duty Capacity, Easy Operation

- Nylon on Nylon Isolation Bushings
- Smooth Swinging Motion
- Maximum Durability
- Hardened Fasteners
- Threaded Plate Steel Supports

Accudraft's welded steel door structure, internal lock mechanics, and wire-mesh reinforced glass windows create a very rugged door system, and nylon axis hinges allow them to be swung with the touch of a finger. For the user, operation is light as a feather and doors can be fully opened in a matter of seconds. All rotation points are engineered using nylon bushings, giving the doors an unmatched lifespan. Doors will open thousands of times over decades of use before any bushings need replacement.







Upper Deadbolt ▲

Lower Deadbolt ▼



◀ Integrated Door Seals

Built-in Door Locking Mechanism

- Integrated Dead Bolts
- Factory Tight Doors
- Flush Mount Red Handles
- Neat & Clean Finish

Internally constructed door lock mechanisms provide proper closure. Lesser systems provide rods mounted on the outside of the door panel with simple straps or bars. Accudraft's integrated red handles ensure that the user cannot tamper with the door's integrity and it also ensures protection from overspray and damages caused by vehicles or tools bumping into the locking mechanism. Deadbolts have pre-punched slots in the upper and lower threshold to ensure the doors are closing properly.

Superior Build Quality ▶

Heavy Duty Hardware



◀ Easy Grip Handles

Oversized Heavy Duty Steel Handels

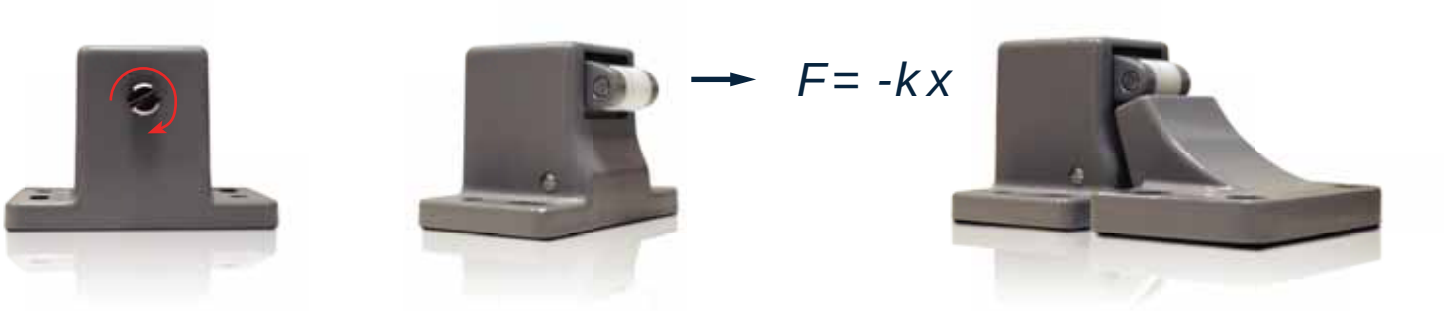
- Formed Tubular Steel
- 1/8" Welded Anchor Plates
- Extra Large Size for Easy Grabbing
- Ultra-White Powder Coated FInish



Nylon Roller Catches ▼

Heavy Duty Hardware

Accudraft spring latches are designed to release in the presence of sudden over-pressurization of the workspace or in the event of an explosion. Elongated fastener slots and adjustable spring tightness allow for proper alignment between male and female pieces. Nylon lined rollers prevent wear over thousands of trips in and out of the work area and provide a smooth, quiet operation. No loud clangs or bulky refrigerator-style latches to slam open and shut. A simple click and a thump lets the user know the door is properly shut.



Product Comparison Chart ▼

2001™ Series

Features	SS (Space Saver)	ITALIA	TITAN
Dual Skin Type	Simplejoint	Simplejoint	Simplejoint
Airflow CFM	Up to 14,000	Up to 14,000	Up to 20,000
Draft Pattern	Semi Downdraft	Downdraft	Downdraft
Standard Mechanicals	Space Saver AMU	Timeless	KD-560/630R
Drive Type	Belt Driven	Belt Driven	Belt Driven
Intake HP	10 HP	10 HP	15 HP
Exhaust HP	10 HP	10 HP	15 HP
Heating Power	1,200,000 Btu/hr	1,200,000 Btu/hr	1,500,000 Btu/hr
Heat Recycle	0 - 80%	0 - 80%	0 - 80%
Fixture Size / Tubes	48 Inch - 4 Tube	48 Inch - 4 Tube	48 Inch - 4 Tube
Lighting Power (W)	128 Watts / Fixture	128 Watts / Fixture	128 Watts / Fixture
LED Upper Angled Lighting	10*	10*	10*
LED Wall Lighting	13*	13*	13*
Fixture Orientation	Vertical	Vertical	Vertical
Ceiling Filter System	Full Width - 5 Micron	Full Width - 5 Micron	Full Width - 5 Micron
Ceiling Filter Access	EZ-Clip	EZ-Clip	EZ-Clip
Waterborne	Add Xcelerator™	Add Xcelerator™	Waterborne Ready
Controls	SmartPad™	SmartPad™	Accudraft LIVE™
EnergySmart VFD's	EnergySmart™	EnergySmart™	EnergySmart™
Starting Length (ft)	24	24	28
Starting Width (ft)	13	13	14
Starting Height (ft)	9	9	9
Exterior Vinyl Colors			

* Quantities may change if workspace length is extended or reduced.

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Worldwide Automotive Finishing Products



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