



# CLEAN AIR SOLUTIONS

DYNABRADE'S FAMILY OF DUST COLLECTION SYSTEMS & SOLUTIONS

**NEW**



**WE LISTEN. WE OBSERVE. WE OPTIMIZE.**



# ABOUT US

## Mission Statement

**WE LISTEN. WE OBSERVE. WE OPTIMIZE.**

We design high-quality tools and innovative solutions to improve the operator's environmental safety, process time, and finishes which reduces our customers' costs. We strive to have a positive and meaningful impact for all of our stakeholders: Our Customers, Employees, Shareholders, and Community.

## Vision Statement

The first choice for abrasive power tools and process solutions, today and tomorrow!

## Who We Are

Dynabrade has earned a reputation for excellence and a position of leadership in the innovative design and manufacturing of unique portable pneumatic abrasive power tools, related accessories, and dust collection. With our total systems solutions offerings, we are able to meet the specific needs of many industries. Our products are used in a variety of applications on nearly any material that requires surface preparation and finishing. We are easy-to-do business with and supply these products quickly to customers through a worldwide network of professional distributors.

## Customer Service

Dynabrade's Customer Service staff has just one important job – to make sure that you are completely satisfied with your order and service. Our Customer Service Department is staffed with highly trained people, ready to serve you in any way they can, from order taking to technical service to rush shipments! In short, our commitment to customer service is to satisfy our customers by serving them well. If we can help or improve in any way, we'd like to hear from you.

## Free Demonstration Policy

We can arrange a no-obligation demonstration in your facility on most of our products. It is a sure way to see that the product is best suited to your application and to see the time, labor and cost-saving advantages of Dynabrade products. Contact your local Dynabrade distributor to arrange an in-plant demonstration.

## Dust Collection

Dust created through the manufacturing process has the potential to significantly impact the health of the tool operator through skin contact, entering of the eyes, or through inhalation. Dynabrade Clean Air Solutions are designed as the best-in-class when speaking to a manufacturer's dust abatement plan. Our systems are certified to capture both metallic and non-metallic dusts as they are created. Seizing airborne particulates before they can enter the atmosphere is the best way to prevent dust migration throughout a facility and its manufacturing work cells.



## CLEAN AIR SOLUTIONS

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# DYNABRADE VACUUM SYSTEMS

## CLEAN AIR SOLUTIONS FOR HEALTH, SAFETY & COST SAVINGS

The Dynabrade Clean Air Solutions initiative consists of Industrial Vacuums, Downdraft tables and accessories that are designed to effectively and safely capture dust created throughout the course of manufacturing processes.

Dynabrade Sanding Systems tackle a variety of applications from everyday shop cleanup to demanding sanding applications. The combination of multi-stage HEPA filtration, vacuum hose conductivity and certified Division 1 and Division 2 vacuums distinguish Dynabrade from competitors. Downdraft systems further contribute to an optimal work environment by assuring the efficient and safe capture of various workplace dusts when working on large or oddly shaped pieces. Beyond cleanliness and safety, manufacturers using Dynabrade clean air solutions realize significant savings in abrasive spend, process time improvements, personal protective equipment and other costs savings associated with rework.

On the plant or shop floor operators enjoy the ease of maintenance, mobility, ergonomics and "plug n' play" compatibility with vacuum-ready tools. Maintaining Raptor Vacs® at peak efficiency is simple with easy-access filters and bags that save time when compared with Central Vacuum Systems that often require facility wide maintenance. Cart-mounted vacuums, lengthy power cord and vacuum hoses each contribute to providing operators with superior mobility when navigating around large or elevated workpieces. Vacuum hose assemblies as narrow as 3/4" connect to Dynabrade air tools reducing weight and strain on an operator as he or she works.

Dynabrade clean air solutions are productivity and safety enhancing tools that have an immediate impact on the shop floor and provide long-term cost savings for manufacturers when implemented in a manufacturing process.

### HEALTH - Breathing Clean Air



- ① The manufacturing facilities responsibility
- ② Utilizing the Particle Count Meter to define the level of concern
- ③ Breathe Easy with Dynabrade's Clean Air Solutions

### SAFETY - Eliminating Opportunity For Explosions



- ① Clearly defining the risks
- ② Certified vs Non-Certified, the proof is in the certification
- ③ Breaking the product line down by Class, Division and Group
- ④ Plug-n-Play systems with our extensive array of dust collection tools

### COST SAVINGS - Save Money & Improve Production Process



- ① Abrasive life and change out time
- ② Keeping the work surface clean, resulting in less re-work
- ③ Less down-time cleaning work-cells and facility
- ④ Preventing the dust from causing other financial heartache
- ⑤ Avoiding OSHA fines



## HEALTH

Dust created through the manufacturing process has the potential to significantly impact the health of any tool operator. Whether through skin contact, by entering the eyes, or through inhalation. Dynabrade clean air solutions are designed as the most complete systems in a manufacturer's dust abatement plan because they capture metallic or non-metallic dusts as they are created. Seizing airborne particulates before they can enter the atmosphere is the best way prevent dust migration throughout a facility and beyond manufacturing areas.



## THE MANUFACTURING FACILITIES RESPONSIBILITY

**IT'S THE LAW:** THERE IS A GENERAL DUTY ON ALL EMPLOYERS TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THEIR WORKERS AND THE PUBLIC.

**The 5 GROUPS that monitors these expectations are as follows:**

- 1 - U.S. Department of Labor
- 2 - Occupational Safety and Health Administration
- 3 - Directorate of Standards and Guidance
- 4 - Office of Safety Systems
- 5 - Chemical/Dust Safety and Hazards Investigation Board (CSB)

The above five governing bodies have clearly defined, that removing dust from an operators surroundings is crucial in providing a safe and healthy work environment.

## BREATHE EASY WITH DYNABRADE CLEAN AIR SOLUTIONS

Dynabrade works hand in hand with manufacturers in need of Clean Air Solutions for specific environments. In addition to the type of dust being captured.

The Raptor Vac® family plays a critical role from ordinary to sensitive areas with specialized or required methods of capture. Dynabrade is prepared with solutions for woodworkers and solid surface manufacturers requiring HEPA filtration for fine dust, or metalworkers and automotive technicians who require certified vacuums of a specific Class, Division and Group.

## DEFINE LEVEL OF CONCERN BY UTILIZING PARTICLE COUNT METER

Of the many resources available to manufacturers when selecting the correct clean air solution for their circumstances; being equipped with precise knowledge of the material is critically important. Some particulates are generally harmless, other dusts or mixtures can be hazardous or even volatile. Dynabrade supports the position of the National Fire Protection Agency outlined in NFPA 652 requiring dust testing for all facilities that process, handle, convey or manufacture combustible dusts. Analyzing the material being captured and understanding



its composition will direct manufacturers to the specific Dynabrade Clean Air Solution for their dust abatement plan. With the assistance of our Dynabrade Representative and our Particle Count Meter, we can help define the level of concern and show clear results with Dynabrade's Clean Air Solutions.

## SAFETY: CLEARLY DEFINING THE RISKS

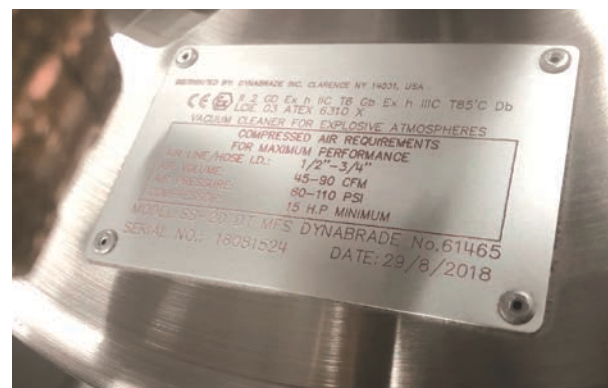
The first step to defining dust risks in a facility is performing a Dust Hazard Analysis. Identifying the composition of the dust(s) will inform manufacturers of potential risks such as explosions, fires, and respiratory hazards. The NFPA specifies Class locations and further explains Division circumstances containing hazardous Groups of gases, liquids, dusts, fibers and vapors. Prepared with a Dust Hazard Analysis manufacturers can make sound decisions as they evaluate their current housekeeping practices, workflow processes, and safety procedures against outlined NFPA recommendations. Armed with the knowledge from the Dust Hazard Analysis manufacturers can establish, document and implement best practices for a dust abatement plan and a healthy and safe work environment.



## RISKS OF A NON-CERTIFIED PRODUCT

WHAT ARE THE STEPS TO ENSURE THAT YOUR DUST COLLECTION SYSTEMS BECOME A "TRULY" CERTIFIED PRODUCT?

- 1 - NFPA Develops the standards for fire protection.** Develop your product from the NFPA requirements for dust collection. (Examples: NFPA 484, NFPA 70)
- 2 - Testing labs to certify the product, ensuring it meets NFPA certification.** Your product must be tested, approved and filed. All equipment must be tagged accordingly with the Class, Division and Group with which the equipment meets certification.
- 3 - Police the standards and equipment associated to the process.** OSHA monitors the equipment to have proper tagging and ensures the product is certified by the 3rd party testing lab for safe use in a manufacturing facility.
- 4 - Proper certification plate as shown on the right.**



## ELIMINATING THE SOURCE OF IGNITION

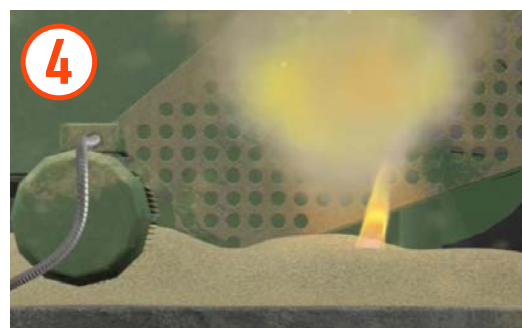
*Whether you are working in a wood shop or metal working facility, there exists on every surface and every crevice a potential explosive danger. In this scenario it only takes a single spark to ignite a dust explosion. Dust is a by-product of many types of manufacturing processes and can range in size from large chip to fine dust. Regardless of its size, all dust is potentially combustible but it's the fine dust that can become an explosive hazard.*

**The conditions that exist to make fine dust explosive are as follows:**

- 1** - A source of ignition.
- 2** - Fine dust is dispersed into the air.
- 3** - The dispersion mixes the dust with oxygen.
- 4** - Fully or partially contained structure or building.

As you review the pictures shown to the right, we are representing a non-certified conveyor belt motor which had an internal collision and caused a spark to exit the housing. This spark is now considered the "Source of Ignition" in what was a dust explosion in the final picture #4. While this single explosion can be deadly, it's the chain reaction of explosions that can cause great destruction throughout a facility. By going with Dynabrade's Class II, Division 2 (**Non-Metallic Dust**) or our Class II, Division 1 (**Metallic Dust**) Certified systems, we are ensuring that our equipment will **NOT** be the potential source of ignition.

Our systems have been designed to meet the NFPA Standards that have been developed for the proper and safe way to collect these hazardous dusts. These certified systems have been tested through a third party lab and have been approved for the use in these hazardous locations.



## DYNABRADE'S ONLINE PRODUCT CONFIGURATOR

Use Dynabrade's Online Product Configurator to help you choose the right product for your dust collection needs.

**Wood Dust  
Explosions Video**



SCAN ME

**Metal Dust  
Video**



SCAN ME

**CSB Video  
Library**



SCAN ME

## SAVE MONEY & IMPROVE PRODUCTION

More and more frequently, informed manufacturers are adopting the use of clean air solutions to realize overall process improvements in their facility and for their employees.

Improvements are realized in areas where manufacturers never considered there to

be a need. Abrasives, rework, facility maintenance, secondary expenses and potential fines are all aspects of manufacturing where Dynabrade Clean Air Solutions can help.



## EXTEND ABRASIVE-LIFE & LESSEN REPLACEMENT

Various Sanding applications generate dust. Non-Vacuum sanding will cause "loading" on the abrasive face which will cause the abrasive disc to wear faster. Capturing dust at the source with an Air Tool Dust Collection System will eliminate "loading" at the abrasive face and extend the effectiveness of the abrasive. It will also permit the abrasive to be used more effectively and completely. This will allow you to use 3 to 4 times fewer abrasives and less time changing abrasives, resulting in significant cost savings and a safer work environment.

## CLEAN SURFACES MINIMIZE WORK DUPLICATION

The buildup of dust on a work surface or even just a dust nib can cause rework and extend manufacturing timelines. Repairing a swirl mark on your clear-coat or epoxy finish? There is a good chance it was caused by dust buildup. Dust can load on the disc or on the work surface and will leave a witness mark until the abrasive is changed and the work surface cleared of excessive buildup. Additionally, settling dust can be particularly difficult to manage. After a long day of sanding, airborne dust can settle on painted, stained, or clear coated surfaces and will migrate throughout a facility through ductwork spreading the problem to unrelated areas.



## LESS TIME WASTED CLEANING FACILITY

Operating Vacuum Systems in work areas where dust is being generated can be most beneficial. Aside from the safety and work improvement objectives, you will also spend less time cleaning the work area at the end of the day. Dynabrade Portable Vacuum Systems allow the worker to use our vacuum systems anywhere in the workplace. This eliminates the need for vacuum ductwork and vacuum hoses throughout your facility. The vacuum system can be easily maintained by the operator, eliminating dry sweeping at clean up. OSHA is working to eliminate dry sweeping as an option for cleaning. Note the cost savings involved using Dynabrade Vacuum Systems, instead of sweeping.

- ✓ Average 261 work days.
- ✓ 1 worker/30 minutes cleaning per day.
- ✓ 130.5 hours cleaning per year.
- ✓ \$75 labor rate @ 130.5 hours.
- ✓ **\$9,787.50 spent cleaning by worker.**

*Utilizing Dynabrade Vacuum Systems will result in immediate savings in labor costs.*



The act of sweeping can be the direct cause for creating suspended dust clouds in the air and developing the perfect storm for a potential dust explosion.

## PREVENT EXPENSES CAUSED BY DUST

Developing a dust abatement plan for your facility will have benefits beyond the production floor. Containing dust promotes a healthy workplace and can prevent personal injury and lost production time. Additionally, clean air solutions will reduce dependence on other safety equipment like dust masks, respirators and their filters. Capturing dust before it can become airborne protects sensitive equipment from settling dust, which can cause a short circuit in control panels requiring repairs and lost valuable production time.

- ✓ Personal injury and reduced production.
- ✓ Equipment control board failures.
- ✓ Additional HVAC systems maintenance.



## STAY OSHA COMPLIANT

The Occupational Safety and Health Administration (OSHA) has a heightened awareness to the risks and hazards that dusts present in the workplace. Some dusts are hazardous, some are flammable, and others are volatile when mixed. Dynabrade is committed to working with manufacturers who have identified dust as a potential hazard by supplying certified Clean Air Solutions for specific environments as well as for general purposes.

### OSHA FINE SCHEDULE:

- 1 - Other-Than-Serious-Violations** - Inspector discretion, up to \$13,000.
- 2 - Serious Violations** - Fine required up to \$13,000.
- 3 - Repeated Violation** - Up to \$133,000.
- 4 - Failure to Abate Prior Violation** - \$13,000 each day after remedy date.
- 5 - Willful Violations** - Minimum \$9,500 up to \$133,000.
- 6 - Willful Violations with Fatality** - Up to \$250,000 for responsible individual up to \$500,000 for Corporation - Up to 6 months jail.



**SOLUTIONS FOR SPECIFIC ENVIRONMENTS AS WELL AS FOR GENERAL PURPOSES.**

## DYNABRADE'S CONFIGURATOR

### CHOOSING THE RIGHT DUST COLLECTION SYSTEM

#### Your Responsibility

It is ultimately a company's responsibility to select the proper equipment in respect to safety. All facilities can be held accountable by one or all authorities having jurisdiction. OSHA, Local fire inspectors/officials and even your insurance company are good examples. Select the proper equipment that will ensure that your workers remain safe in their everyday work environments. Make sure you meet the mandates set forth by the NFPA and its policing agencies OSHA and Insurance Companies.

#### How Do I Choose?

Dynabrade has created a Configurator to help guide you to the right clean air solution. Knowing the degree of hazard your application poses is vital to finding the correct clean air solution. Dynabrade recommends performing a dust hazard analysis to find out if your dust is inert, combustible, or explosive.

Which is the best fit for your application? Source capture or Downdraft capture? Source capture uses portable vacuums connected to a shroud on a dust producing tool to capture dust at the source. This is typically the most efficient way to capture dust and should be the first choice.

## DOWNDRAFT SYSTEMS

Downdraft Tables capture and contain dust created by sanding wood, composites, plastics, fiberglass, and other solid surface materials. These tables are utilized most often when working with larger workpieces and when source capture vacuums do not apply.



USE OUR CONFIGURATOR QR CODES BELOW TO DISCOVER THE RIGHT PRODUCT FOR YOUR APPLICATION.

**NON-METALLIC  
DOWNDRAFT >**



Metal Capture, Downdraft Tables and Stations collect and contain dust created by sanding steel, stainless steel, aluminum and other metallic surface materials. These tables are utilized most often when working with larger workpieces and when source capture vacuums do not apply.



#### DOWNDRAFT CAPTURE

Downdraft capture uses a downdraft of air to capture dust from the area around a dust producing tool without a shroud. Downdraft capture is recommended where source capture is not possible or in combination with source capture dust collection systems.

USE OUR CONFIGURATOR QR CODE BELOW TO DISCOVER THE RIGHT PRODUCT FOR YOUR APPLICATION.

**METALLIC  
DOWNDRAFT >**



# BREAKING THE PRODUCT DOWN BY CLASS, DIVISION & GROUP

Required industrial "housekeeping" best practices tend to be very specific. It is important to always understand local regulations, standards and recommendations when developing a dust abatement plan and introducing clean air solutions to a manufacturing process. The Raptor Vac® family of clean air solutions address ordinary vacuum locations and NFPA Class II, Division 1 and II locations as described below.

## ORDINARY LOCATION

Also known as general purpose or unclassified areas, these locations are known to be free of hazardous or volatile dusts, fibers, gases, liquids and vapors. Vacuuming is the preferred method of "housekeeping" over sweeping or water wash-down.

## CLASS II, DIVISION 2 LOCATION

One of following two situations must exist for an area to be considered a Class II, Division 2 location:

- 1 - Combustible non-metallic dust will not normally be in suspension in the air in quantities sufficient to produce explosive or ignitable mixtures. Dust accumulations will normally be insufficient to interfere with the normal operation of electric equipment or other apparatus. Combustible dust may be in suspension in the air as a result of infrequent malfunctioning of handling or processing equipment.
- 2 - Combustible dust accumulations on, or in the vicinity of the electric equipment may be sufficient to interfere with the safe dissipation of heat from electric equipment.

## CLASS II, DIVISION 1 LOCATION

One of the following three situations must exist for an area to be considered a Class II, Division 1 location:

- 1 - Where combustible metallic dust is present in the air under normal operating conditions in such a quantity as to produce explosive or ignitable mixtures. This could be on a continuous, intermittent or periodic basis.
- 2 - Where an ignitable and/or explosive mixture could be produced if a mechanical failure or abnormal machinery operation occurs.
- 3 - Where electrically conductive dusts in hazardous concentrations are present.

## SOURCE CAPTURE

Source capture clean air solutions consist of portable vacuums used in combination with an air tool or cleaning attachment. Capturing dust beyond general "housekeeping" throughout the manufacturing process promotes operator health as well as facility safety. Dynabrade source capture solutions realize enhanced operator efficiency, fewer instances of rework and extended abrasive life.

USE OUR CONFIGURATOR QR CODE BELOW TO DISCOVER THE RIGHT PRODUCT FOR YOUR APPLICATION.

**PORTABLE  
VACUUMS >**



# MINI-RAPTOR VAC®

## ORDINARY LOCATION SYSTEMS

Mini-Raptor Vac® Pack sanding systems tackle a variety of applications from everyday shop clean up to demanding sanding applications. Utilizing HEPA filtration contributes to an optimal work environment by assuring the capture of dust **10x** finer than L-Class vacuum systems. The power cord and vacuum hose combine with the mobility of a cart to provide 40' of reach for operators; giving them flexibility to move throughout the shop.

From the Standard Pack to the Pro Pack each system is modular and can expand as your needs grow. Need dust collection for a second operator? Simply add a Y-connector and additional hose to create a two-person sanding station. Want to save time and energy spent manually turning the vacuum on and off, just add the Mini-Raptor Vac® Auto On/Off. Mix and match these and other optional accessories to customize the Vac Pack for your use.

## QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.



FEATURE	BENEFIT
<b>1</b> HIGH PERFORMANCE FULLY CONDUCTIVE VACUUM SYSTEM	Aggressively captures dust & insulates from static shock.
<b>2</b> 1" X 20' ERGONOMIC VACUUM HOSE ASSEMBLY	35% lighter than traditional 1-1/4" vacuum hose assemblies.
<b>3</b> PREMIUM RANDOM ORBITAL SANDERS	Best-in-class dust collection.
<b>4</b> PNEUMATIC TOOL CONTROLS VACUUM POWER ON & OFF	Connect two tools to vacuum auto on/off simultaneously.
<b>5</b> STACKABLE LOCKING STORAGE SYSTEM	Keeps abrasives and tools accessible and organized.
<b>6</b> PREMIUM POWDER COATED RAPTOR VAC® CART	Supports and organizes Mini-Raptor Vac®, hoses, accessories and tools.



**5** STACKABLE LOCKING STORAGE SYSTEM



**4** RAPTOR® AUTO ON/OFF



**6** INDUSTRIAL CARTS



# MINI-RAPTOR VAC®

## ORDINARY LOCATION VACUUM SYSTEM

Fending off dust and creating an efficient and safe work environment begins with the Mini-Raptor Vac®. The combination of Dynorbital® series of tools, Mini-Raptor Vac® with cart provides a mobile sanding solution for dusty shops.

### STAGES OF FILTRATION

Stage 1 is the Mini Raptors initial area of particle capture. Here we capture 95% of particles to .10 Microns in size. This stage 1 collection prepares us for a proper Stage 2 filtration, while allowing the vacuum system to have a consistent and efficient designed airflow, ensuring designed performance.

Stage 2 is our final area of particle capture before exhausting clean air. Here we capture a HEPA rating of 99.95% down to 0.3 microns. This HEPA rated stage 2 filtration ensures that the operator consistently works in a healthy environment throughout their workday.



**ORDINARY LOCATION  
POWERHEAD ASSEMBLY**  
HIGH EFFICIENCY BYPASS



**HEPA FILTER**  
STAGE 2 - 99.95% AT 0.3 MICRONS



**HIGH EFFICIENCY BAG**  
STAGE 1 - 95% AT .10 MICRONS



**WET SLEEVE**  
UTILIZED FOR  
WET COLLECTION



**CONDUCTIVE VACUUM  
ASSEMBLY**  
PROPERLY TRANSFERS  
ELECTROSTATIC DISCHARGE

**DRAIN**  
CONVENIENT LIQUID DISPOSAL

Model No.	Amp	Capacity	Power	Watts	Water Static Lift	Air Flow	Sound	Height	Width	Length
61100	12A	16 Gallon (60.5 Liter)	6.5 hp	1,440	94" / 238 cm / 234 mbar	143 CFM (4,050 L/Min)	80 dBA	28" (711 mm)	21" (533 mm)	18" (457 mm)

# MINI-RAPTOR VAC® CART SYSTEMS

## ORDINARY LOCATION VACUUM SYSTEM

Mini-Raptor Vac® systems come standard with a carriage handle and dolly cart assembly for mobility throughout the shop. Enhanced and Pro-Pack systems are equipped with premium powder-coated cart with accessory shelf and heavy-duty, lockable swiveling casters.



**HOSE AND TOOL HANGER**  
REDUCE CLUTTER & TRIPPING HAZARDS



Model No.	Platform Dimensions	Weight	Shipping Weight	Height	Length
61129	N/A	10 lb (4.5 kg)	18 lb (8.2 kg)	35" (889 mm)	28" (711 mm)
61486	18" (46 cm) x 24" (61 cm)	83 lb (38 kg)	97 lb (44 kg)	49" (1,245 mm)	30.8" (782 mm)

For the most current specifications, visit [dynabrade.com](http://dynabrade.com)

# RAPTOR AUTO ON/OFF

## MOBILE VACUUM ACCESSORY

The Raptor Auto ON/OFF (RA00) enables a pneumatic tool to turn a portable vacuum on and off. The RA00 switches the AC power to a vacuum when the RA00 senses compressed air flowing to a connected tool. Once the compressed air flow stops, the RA00 switches off the AC power to the vacuum after a 4 second delay.



**AIR Y-CONNECTOR**

61564

- Connect two tools to vacuum auto on/off simultaneously.



**STANDARD PACK MOUNTING KIT**

61577

\*Please see accessory section for Pro-Pack Auto On/Off mounting kit option - 61566

**AIR OUTLET**  
BRASS 1/2" NPS FEMALE

**POWER LED**

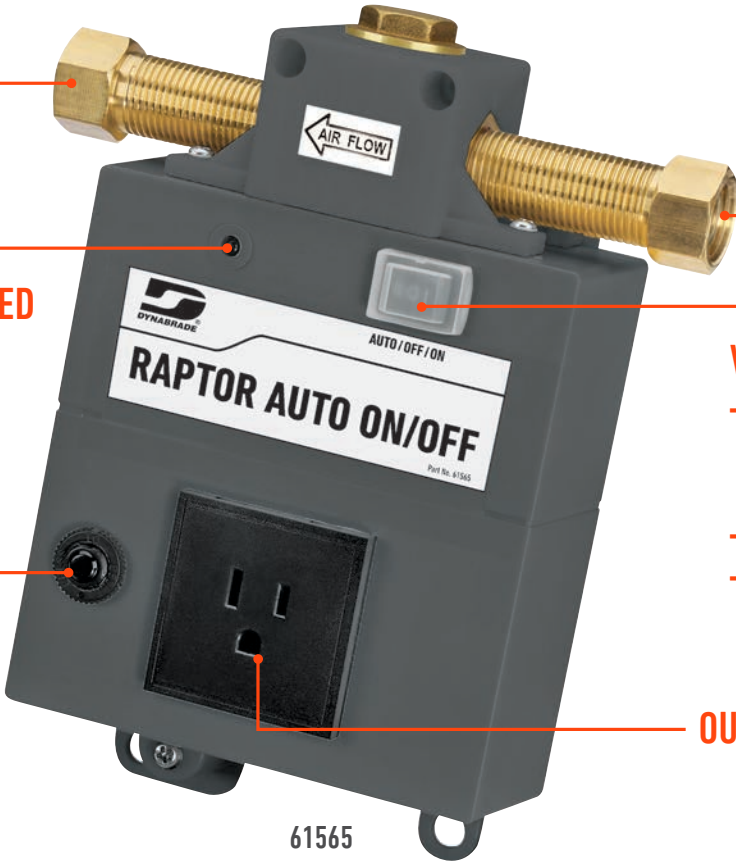
**CIRCUIT RESET**

**AIR INLET**  
BRASS 1/2" NPS FEMALE

**VACUUM AUTO ON-OFF**

- Two Operating Modes
  - Tool On-System on
  - Auto On/Off
- 4 second clean-out
- Two tool compatibility
  - High Volume

**OUTLET FOR VACUUM**



61565

Model No.	Max. Inlet Pressure	Min. Air Flow	Operating Temp.	Power	Mounting Hardware Kit
61565	150 PSI	5 SCFM at 90 PSI	0-30 C	12 Amps	-
61566					Included

**SPECIFICATIONS**

- Raptor Auto On/Off will switch 115VAC up to 12 A and is for non-hazardous, dry indoor areas only.
- Connect two tools to vacuum auto on/off simultaneously.
- Tool use activates vacuum suction.
- 1/2" Air Inlet & Outlet.
- 120V

# VACUUM HOSE ASSEMBLY

## MOBILE VACUUM ACCESSORY

31972

Conductive hoses are especially important in static prone sanding areas to keep operators from static shock. The key difference from a standard vacuum hose is that conductive hoses are carbon impregnated throughout the construction - not coated - providing lasting protection throughout the service life of the hose and cuffs.



**QUICK CONNECT  
TO VACUUM**

## STANDARD 20' OFFERING

UP TO 60' LENGTH AVAILABLE  
- CONSULT FACTORY

## PLUG N' PLAY ASSEMBLY

FOR USE WITH ALL DYNABRADE VACUUM TOOLS

## FULLY CONDUCTIVE ASSEMBLY

ELIMINATES POTENTIAL  
STATIC CHARGE

## 1" FLEXIBLE & ERGONOMIC HOSE

LIGHT WEIGHT, TIGHT RADIUS & FLEXIBLE

## FLEXIBLE CUT TO FIT AIRLINE/REUSABLE FITTINGS

CUSTOMIZE ASSEMBLY TO  
PNEUMATIC TOOL NEEDS

## ADJUSTABLE MAR-FREE OVERHOSE

ADAPTS TO OPERATOR NEEDS



## SPECIFICATIONS

- 20' (6.096 m) conductive vacuum hose with 5/16" integrated air line.
- 1" vacuum hose.
- 1" tool connection, 1-1/4" vacuum connection.
- (1) 1/4" NPT coupler
- (2) 1/4" NPT plugs
- Please consult factory for custom length options



# MINI-RAPTOR VAC® PRO PACK

## ORDINARY LOCATION VACUUM SYSTEM

Designed for peak efficiency, the Pro-Pack equips a single operator with a complete system for sanding and dust collection. Featuring a Raptor Auto On/Off, the Pro-Pack saves time and energy by automatically turning vacuum on and off with tool use. The Pro-Pack has on-board, stackable storage to keep abrasives, and tools accessible and organized.



M-Class   **2 YEAR WARRANTY**

### INCLUDED IN PRO PACK

								
Model Number	61100	61486	59024	X51V	X51VHS	31972	61503 & 61505	61566
10019	•	•	•			•	•	•
10049	•	•		•		•	•	•
10099	•	•			•	•	•	•

# MINI-RAPTOR VAC® ENHANCED PACK

## ORDINARY LOCATION VACUUM SYSTEM

When getting the job done requires more than you can carry the Mini-Raptor Vac® Enhanced Pack provides the extra hand you need. The premium cart stores your vacuum, tool & hose while providing a convenient shelf for additional abrasives, hand tools, safety glasses and accessories.



M-Class   2 YEAR WARRANTY

INCLUDED IN ENHANCED PACK								
	Model Number	61100	61486	59024	X51V	X51VHS	31972	61503 & 61505
10020	•	•	•			•	Optional Accessory	Optional Accessory
10050	•	•		•		•		
10080	•	•			•	•		

# MINI-RAPTOR VAC® STANDARD PACK

## ORDINARY LOCATION VACUUM SYSTEM

Fending off dust and creating an efficient and safe work environment begins with the Mini-Raptor Vac® - Standard Pack. The choice of Dynorbital®, Mini-Raptor Vac® and dolly with carriage handle provides a mobile sanding solution for dusty shops.

**INTEGRATED CORD HANGER**  
STORAGE FOR 20' CORD

**STANDARD CART**  
COMPACT AND EASY TO MANEUVER

**MANUAL ON/OFF**  
ROBUST TOGGLE

**MESH OVER-HOSE ASSEMBLY**  
PREVENTS MARRING & SNAGGING

**TECH TIP** Mini-Raptor Vacs® capture dust 10X finer than competitive vacuums.

M-Class   **2 YEAR WARRANTY**

INCLUDED IN STANDARD PACK										
Model Number		61100	61129	59024	X51V	X51VHS	31972	61565	61572	61577
10015		•	•	•			•			
10051		•	•		•		•	Optional Accessory	Optional Accessory	Optional Accessory
10057		•	•			•	•			

# MINI-RAPTOR VAC® GENERAL PURPOSE (WET/DRY) CLEAN-UP

## ORDINARY LOCATION VACUUM SYSTEM

Dynabrade's Mini-Raptor® 16-Gallon, 6.5 Peak HP wet/dry vacuum is perfect for jobs around the shop. With a powerful motor this wet/dry vac makes cleanup easy. With the Stage 1 High Efficiency collection bag, together with the Stage 2 HEPA filter, this system ensures that the air filtering back into your facility is free of unhealthy particles. Its lightweight design, durable casters, and non-marring wheels provide stable and safe transportation in and around your work area. The on-board hose and accessory storage allow you to keep all of the attachments organized and on-hand.



M-Class   **2 YEAR WARRANTY**

**INCLUDED IN  
GENERAL PURPOSE  
CLEAN-UP**

Model Number			
61105	•	•	•
61105V	•	•	•



## MINI-RAPTOR VAC® ACCESSORIES

BUILD THE SYSTEM TO MEET YOUR NEEDS



### SYSTAINER BOX SYSTEM

61502 4" Tall Box  
61503 6" Tall Box  
61505 Mounting Kit

- Single compartment stack & lock storage boxes
- Mounting Kit prevents tipping and sliding



### CLEANING KIT

96605

- Kit Includes:  
Hose Holder, Accessory Bucket,  
8' x 2.5" Locking Hose, Tool Rack,  
(2) 2.5" Extension Wands, 14" Floor Nozzle,  
8" Utility Nozzle, Crevice Tool and Foam Sleeve



### VACUUM Y-INLET

61562

- Connect two tools to vacuum simultaneously



### STANDARD PACK AUTO ON/OFF AND HOSE HANGER

61577 (Includes RA00 Device)

- Raptor Auto On/Off and Mounting Hardware Kit with Hose and Tool Hanger



### PRO PACK AUTO ON/OFF AND BRACKET

61566 (Includes RA00 Device)

- Device (RA00) & Industrial Cart Mounting Hardware Kit



### TOOL/VAC HOSE HANGER

61568

- Storage of second tool and vacuum hose



### HEPA FILTER

61122

- 99.95% efficiency on 0.3 micron



### POWER UNIT ASSEMBLY

61130

- User friendly power unit replacement

# MINI-RAPTOR VAC® ACCESSORIES

BUILD THE SYSTEM TO MEET YOUR NEEDS



## VACUUM HOSE ASSEMBLY 31972

- 20' (6 m) conductive vacuum hose with integrated air line, (1) 1/4" NPT coupler and (2) 1/4" NPT plugs



## RAPTOR VAC® AUTO ON/OFF 61565 (Device Only)

- Tool use activates vacuum suction
- 1/2" Air Inlet & Outlet
- 120V



## STANDARD & PRO PACK AUTO ON/OFF SHEET METAL MOUNTING KIT

- 61572 - STANDARD**
  - Easily mounts to carriage handle
- 61578 - PRO-PACK**
  - Mounting Hardware Kit



## HIGH EFFICIENCY VACUUM BAG 61123

- Disposable replacement bag
- 95% at .10 Microns



## WET COLLECTION SLEEVE 61126

- Remove HEPA filter and bag
- Install for wet collection



## MINI-RAPTOR VAC® SINGLE TOOL CONNECTION KIT

- 61561**  
*Kit includes:*
  - 95083 1/2" Male to 1/4" Female Bushing
  - 95684 1/4" Male Coupler
  - For use with Raptor Auto On/Off



## CONDUCTIVE GROUNDING KIT 61166

- Used for single tool connection with Mini-Raptor Vac®



## AIR Y-CONNECTOR 61564

- Connect two tools to vacuum auto on/off simultaneously
- For use with Raptor Auto On/Off



## DYNABRADE D-BLOCK SERIES

4 Sizes Available

- Hook-face backing
- Order Vacuum Hose Assembly 31919 for direct connection to Raptor Vac® Vacuum Systems



## D-BLOCK VACUUM HOSE ASSEMBLY

- 31919**
  - 20' Long
  - For use with D-Block Series tools for direct connection to Raptor Vac® Vacuum Systems



## DUAL OPERATOR UPGRADE KIT STANDARD PACK

- 61595**  
*Includes:* Vacuum Y-Inlet (61562)
  - Connect two tools to vacuum simultaneously
- Includes:* Vacuum Hose Assembly (31972)
  - 20' (6 m) conductive vacuum hose with integrated air line, (1) 1/4" NPT coupler and (2) 1/4" NPT plugs



## DUAL OPERATOR UPGRADE KIT PRO PACK

- 61596**  
*Includes:* Vacuum Y-Inlet (61562)
  - Connect two tools to vacuum simultaneously
- Includes:* Vacuum Hose Assembly (31972)
  - 20' (6 m) conductive vacuum hose with integrated air line, (1) 1/4" NPT coupler and (2) 1/4" NPT plugs
- Includes:* Air Y-Inlet (61564)
  - Connect two tools to vacuum auto on/off simultaneously
  - For use with Raptor Auto On/Off
- Includes:* Tool/Vac Hose Hanger (61568)
  - Storage of second tool and vacuum hose

Model No.	Vacuum Holes	Hose Dia.	Width	Length
22092	14	3/4" (19 mm)	2-3/4" (70 mm)	16" (432 mm)
22093	10		4-1/2" (114 mm)	9" (229 mm)
22091	8		2-3/4" (70 mm)	8" (203 mm)
22090			2-3/4" (70 mm)	5" (127 mm)

## MEGA-RAPTOR VAC®

### ORDINARY LOCATION VACUUM SYSTEM

The Mega Raptor Vac® is a multi-industry clean air solution with fully integrated features designed to improve an operator's working conditions as well as extend vacuum longevity. Beyond cleanliness and health considerations Raptor Vacs® are productivity enhancers.

#### OPERATOR BENEFITS

- Large storage capacity equals fewer bag changes.
- Vacuum cord and hose assembly allow 40' of reach to navigate the largest jobs.
- Vacuum hose with integrated air line reduces operator fatigue and prevents tripping hazards.

#### FUNCTIONAL ENHANCEMENTS

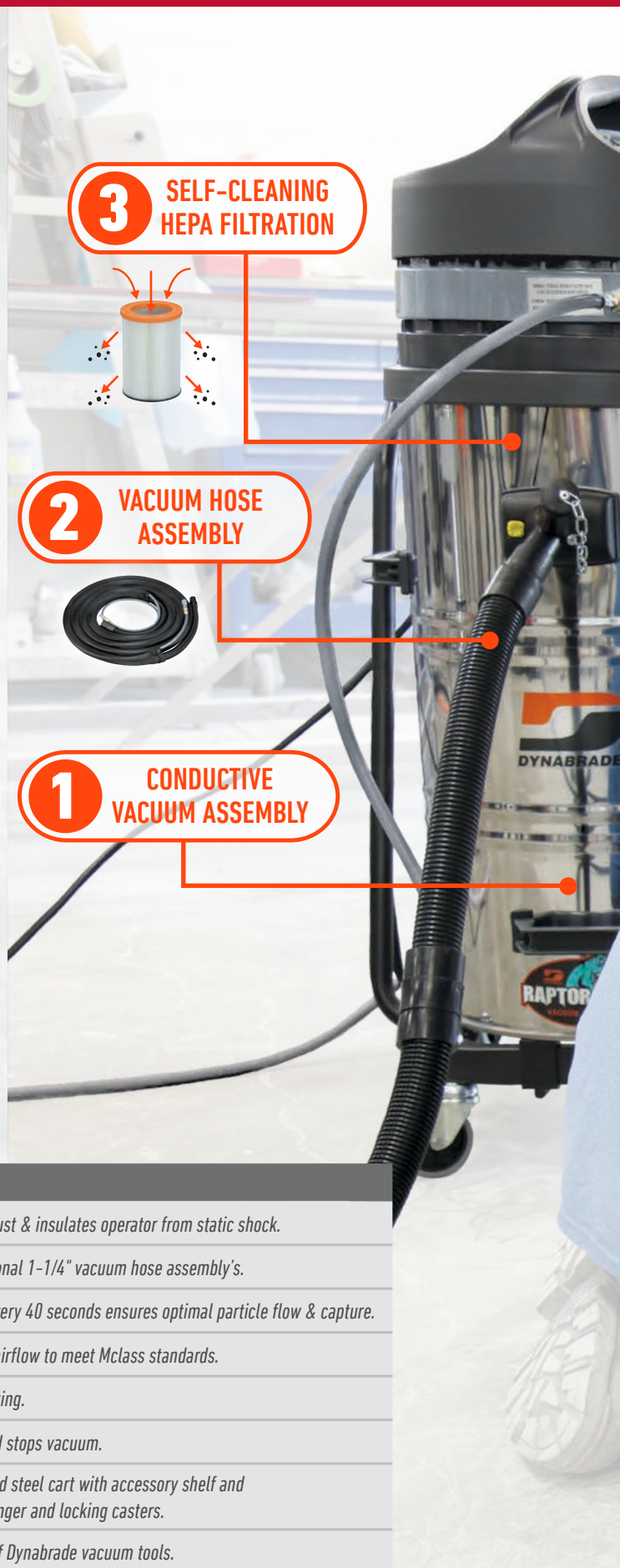
- Bypass motor utilizes clean air to cool and extend motor life.
- Overload protection powers down vacuum prior to motor failure from overheating.
- Reverse-flow filter cleaning device provides a burst of clean air through filter promoting ideal airflow for suction and extending filter life.
- Selectable single or dual-operator mode, with two hose assemblies included.
- Optional integrated outlet for electric tool use.
- Integrated auto on/off.

### QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.



FEATURE	BENEFIT
<b>1</b> HIGH-PERFORMANCE, FULLY-CONDUCTIVE VACUUM SYSTEM	Aggressively captures dust & insulates operator from static shock.
<b>2</b> 1" X 20' ERGONOMIC VACUUM HOSE ASSEMBLY	35% lighter than traditional 1-1/4" vacuum hose assembly's.
<b>3</b> SELF-CLEANING HEPA FILTRATION	Automatic filter-blast every 40 seconds ensures optimal particle flow & capture.
<b>4</b> FLOW INDICATOR LIGHT - YELLOW	Ensures proper system airflow to meet Mclass standards.
<b>5</b> MOTOR OVERLOAD PROTECTION - RED	Prevents motor overheating.
<b>6</b> AUTO ON/OFF	Tool operation starts and stops vacuum.
<b>7</b> STANDARD & PREMIUM CART OPTIONS	Industrial: Powder coated steel cart with accessory shelf and convenient tool/hose hanger and locking casters.
<b>8</b> TOOL COMPATIBILITY	Compatible with 100's of Dynabrade vacuum tools.



4

FLOW  
INDICATOR LIGHT

5

MOTOR OVERLOAD  
PROTECTION

6

INTEGRATED  
AUTO ON/OFF

7

INDUSTRIAL  
CARTS

STANDARD



PREMIUM

8

RANDOM ORBITAL  
SANDERS

# MEGA-RAPTOR VAC®

## ELECTRIC ORDINARY LOCATION VACUUM SYSTEM

The Mega-Raptor Vac® is designed for dry collection in high-volume industrial applications. The substantial 20 gallon collection capacity extends time between bag changes enhancing overall operator productivity and is optimal for a two-operator workstation. Single and Dual operator settings assure ample lift and flow performance per operator.

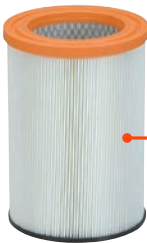
### STAGES OF FILTRATION

**Stage 1** is the MEGA-Raptors initial area of particle capture. Here we capture 95% of particles to .10 Microns in size. This stage 1 collection prepares us for a proper Stage 2 filtration, while allowing the vacuum system to have a consistent and efficient designed airflow, ensuring designed performance.

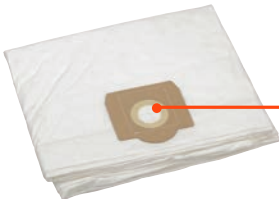
**Stage 2** is our final area of particle capture before exhausting clean air. Here we capture a HEPA rating of 99.95% down to 0.3 microns. This HEPA rated stage 2 filtration ensures that the operator consistently works in a healthy environment throughout their workday.



ORDINARY LOCATION  
POWERHEAD ASSEMBLY



HEPA FILTER  
STAGE 2 - 99.95% AT 0.3 MICRONS





HIGH EFFICIENCY BAG  
STAGE 1 - 95% AT .10 MICRONS



CONDUCTIVE VACUUM  
ASSEMBLY  
PROPERLY TRANSFERS  
ELECTROSTATIC DISCHARGE

Y-INLET CONNECTION  
SINGLE OR DUAL OPERATOR

Model No.	Acc. Outlet	Amp	Capacity	Power	Watts	Water Static Lift	Air Flow	Sound	Height	Width	Length	Plug
61401	Yes	20A	20 Gallon (75 Liter)	120 V (60 Hz)	1,250	94" / 238 cm / 234 mbar	120 CFM (3,400 L/Min)	73 dBA	48" (1,219 mm)	27" (686 mm)	18" (457 mm)	 20 Amp
61421	No	15A										 15 Amp

# MEGA-RAPTOR VAC® CART

## MEGA-RAPTOR VAC® SYSTEM

Safely store vacuum hoses, air lines, and tools to prevent tripping hazards. Mega-Raptor Vac® carts are designed for safe portability throughout your work environment. Premium Mega-Raptor Vac® carts provide a swing out shelf for storage and easy filter and bag access. The premium powder coat finish is rugged to withstand industrial settings, while the compact design saves valuable work space.



**ROTATING WORK SURFACE**  
EASY VACUUM MAINTENANCE



**ELECTRIC CORD HANGER**  
SECURES POWER CORD



**STANDARD CART**  
COMPACT AND EASY  
TO MANEUVER

61523

**TOOL/VAC  
HOSE HANGERS**  
ELIMINATE TRIPPING  
HAZARDS



**LARGE WHEELS**  
EASILY TRANSPORT OVER  
UNEVEN SURFACES

61485

**LOCKING CASTERS**  
STABILIZES CART

Model No.	Weight	Height	Width	Length
61523	22 lb (10 kg)	40" (1,016 mm)	21" (533 mm)	24" (610 mm)
61485	83 lb (38 kg)	49" (1,245 mm)	18" (457 mm)	24" (610 mm)

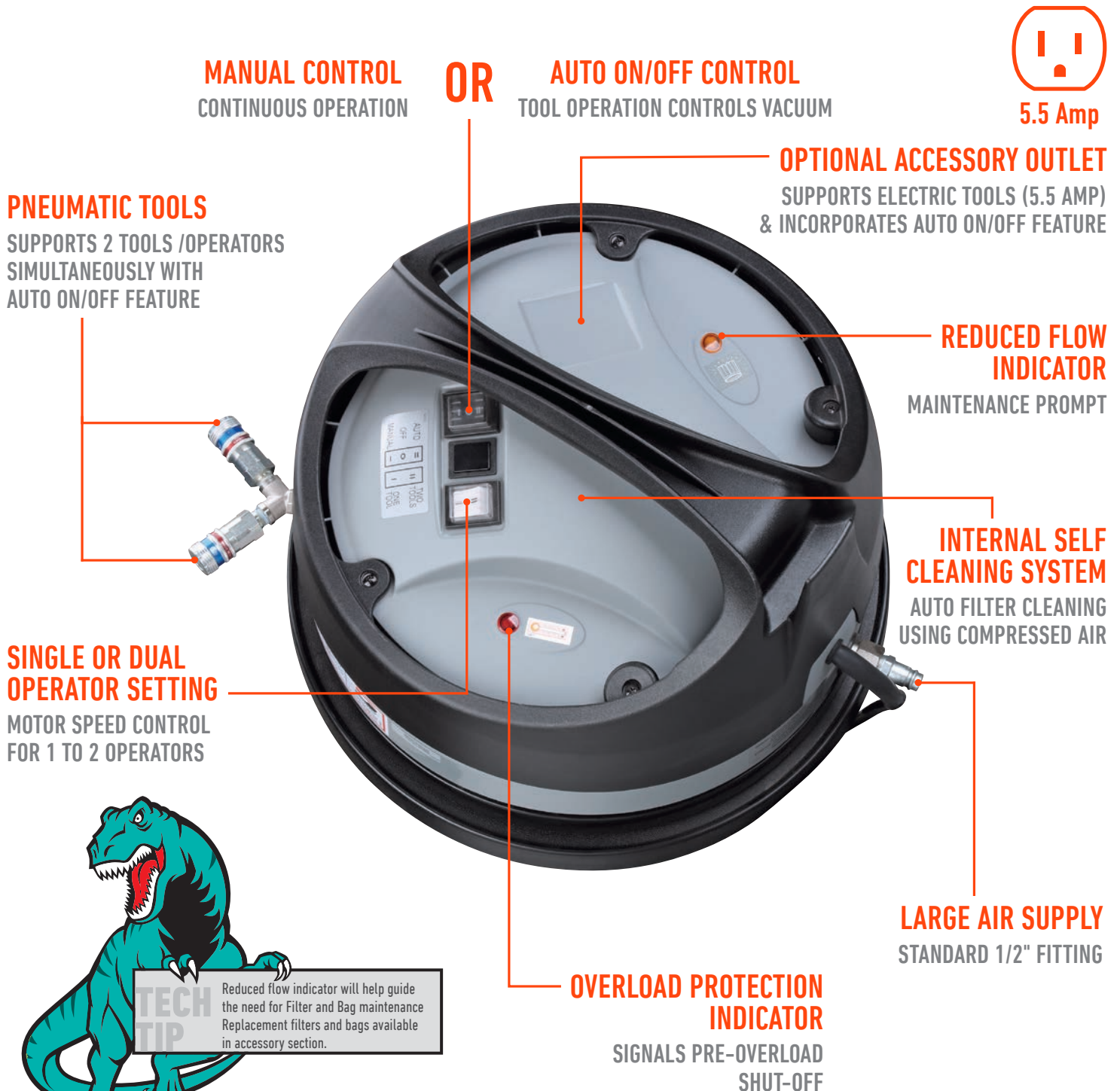
For the most current specifications, visit [dynabrade.com](http://dynabrade.com)



# MEGA-RAPTOR VAC® POWER HEAD

## VACUUM HEAD FEATURES

The Mega-Raptor power head allows operation of both Pneumatic and Electric tools, integrating Auto on/off feature for both tool power options. Built in overload protection will shut down system and provides the insurance of intended motor life. Air inlets designed to provide the proper air power to the tools in a pneumatic platform. Auto Filter Cleaning using compressed air blasts through filter every 40 seconds, insuring proper designed flow through the life of the system. Reduced Air Flow indicator prompts filter, hose or bag maintenance. Settings available for single or dual operator efficiency selection.



# AUTO SELF-CLEANING FILTER SYSTEM

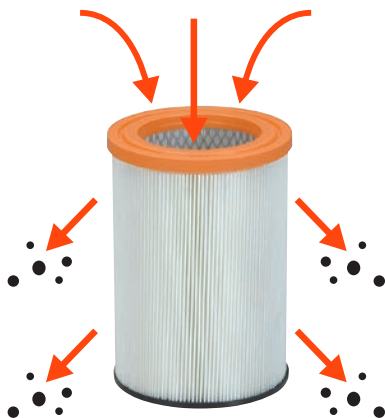
## INTERNAL FUNCTION

Utilizing the pneumatic air supply, a storage tank to solenoid release valve creates our Auto Filter Cleaning System. Using this compressed air and providing a clean blast through the filter every 40 seconds, ensures proper designed flow through the life of the vacuum system.

**COMPRESSED CLEAN  
AIR BLAST**  
EVERY 40 SECONDS

**FINE PARTICLE RELEASE**  
ENSURES PROPER DESIGNED FLOW

**HEPA 13 FILTER**  
99.95% EFFICIENT @ .03 MICRON



MEGA-RAPTOR VAC® PRO PACK

ELECTRIC PORTABLE VACUUM SYSTEM

As an out of the box, two-operator vacuum station the Mega-Raptor Vac® Pro Pack offers the choice of two Dynorbital-Spirit® or Extreme sanders. Also included are two combination vacuum/air hoses, hose hangers, lockable accessory storage as well as premium cart.

**PREMIUM CART**  
PROVIDES TOOL &  
VACUUM HOSE STORAGE

**SWING-OUT SHELF  
WITH STACKABLE STORAGE**  
- MAINTENANCE ACCESS  
- ACCESSORY STORAGE

**MEGA-RAPTOR®**  
HIGH PERFORMANCE  
FULL FEATURED VACUUM

**20' VACUUM  
HOSE ASSEMBLIES (2)**  
WITH INTEGRATED AIR LINE

**LARGE WHEELS**  
EASILY TRANSPORT  
OVER UNEVEN SURFACES

**LOCKING CASTERS**  
STABILIZES CART

INCLUDED IN  
PRO PACK



M-Class **2 YEAR WARRANTY**

Model Number	61485	No Outlet	Outlet	59024 (Qty = 2)	X61VHS (Qty = 2)	X51V (Qty = 2)	31972 (Qty = 2)
10040	61421	•	•	2			
10041		•	•		2		
10042		•	•			2	
10044	61401	•	•	2			2
10045		•	•		2		
10046		•	•			2	

# MEGA-RAPTOR VAC® ENHANCED PACK

## ELECTRIC PORTABLE VACUUM SYSTEM

Designed for general source capture and dry cleanup. Self-cleaning HEPA filtration with automatic filter-blast every forty seconds. Bypass motor system cooled by environmental air.

### PREMIUM CART

PROVIDES TOOL & VACUUM HOSE STORAGE

### SWING-OUT SHELF

MAINTENANCE ACCESS

### MEGA-RAPTOR®

HIGH PERFORMANCE  
FULL FEATURED VACUUM

### 20' VACUUM HOSE ASSEMBLIES (2)

WITH INTEGRATED AIR LINE

### LARGE WHEELS

EASILY TRANSPORT  
OVER UNEVEN SURFACES

### LOCKING CASTERS

STABILIZES CART

### INCLUDED IN ENHANCED PACK



M-Class



2 YEAR  
WARRANTY

Model Number	61485	No Outlet	Outlet	59024 (Qty = 2)	X61VHS (Qty = 2)	X51V (Qty = 2)	31972 (Qty = 2)
10200	•	•		2			
10201	•	•			2		
10202	•	•				2	
10203	•		•	2			2
10204	•		•		2		
10205	•		•			2	

MEGA-RAPTOR VAC® STANDARD PACK

ELECTRIC PORTABLE VACUUM SYSTEM

The Mega-Raptor Vac® Standard Pack is lightweight, maneuverable and available with multiple tool options. Complete a lightweight setup with the Dynorbital-Spirit® or a high-production setup using the Dynorbital® Extreme.

STANDARD CARRIAGE  
HANDLE & DOLLY  
LIGHTWEIGHT DESIGN

MEGA-RAPTOR®  
HIGH PERFORMANCE  
FULL FEATURED VACUUM




M-Class



2 YEAR  
WARRANTY

INCLUDED IN  
STANDARD PACK

INCLUDED IN STANDARD PACK								
Model Number		No Outlet	Outlet	59024 (Qty = 2)	X61VHS (Qty = 2)	X51V (Qty = 2)	31972 (Qty = 2)	
10208	61421	•		2			2	
10209		•			2			
10210		•				2		
10211	61401		•	2				
10212			•		2			
10213			•			2		
61421	•	•		Pneumatic Tools Sold Separately				
61401	•		•					
61421V	•	•		General Purpose Cleaning Kit Sold Separately				
61401V	•		•					

# MEGA-RAPTOR VAC® GENERAL PURPOSE

## ELECTRIC PORTABLE VACUUM SYSTEM

Dynabrade's Mega-Raptor® 20-Gallon, vacuum is perfect for jobs around the shop. With a powerful motor this vacuum makes cleanup easy. With the Stage 1 High Efficiency collection bag, together with the Stage 2 HEPA filter, this system ensures that the air filtering back into your facility is free of unhealthy particles. Its lightweight design, durable casters, and non-marring wheels provide stable and safe transportation in and around your work area.

**STANDARD CARRIAGE  
HANDLE & DOLLY**  
LIGHTWEIGHT DESIGN

**LARGE WHEELS**  
EASILY TRANSPORT  
OVER UNEVEN SURFACES

**SHOWN WITH WAND AND  
UTILITY FLOOR TOOL**

**MEGA-RAPTOR®**  
HIGH PERFORMANCE  
FULL FEATURED VACUUM

**VACUUM HOSE**  
10' CONDUCTIVE HOSE

**INCLUDED IN  
STANDARD PACK**

Model Number		No Outlet	Outlet	96607
10214	61421	•		•
10215	61401		•	•

M-Class

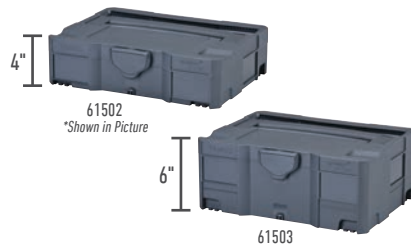


**2 YEAR  
WARRANTY**



# MEGA-RAPTOR VAC® ACCESSORIES

## ELECTRIC PORTABLE VACUUM SYSTEM



### SYSTAINER BOX SYSTEM

61502 4" Tall Box  
61503 6" Tall Box  
61505 Mounting Kit

- Single compartment stack & lock storage boxes
- Mounting Kit prevents tipping and sliding



### GENERAL PURPOSE CLEANING KIT

96607

- Kit Includes:  
Vacuum hose, 10' (3 meters) length,  
Curved handle with extension, Round brush,  
Crevice tool, Small & large coarse nozzle



### CONDUCTIVE Y-CONNECTOR INLET

31968

- Connect two tools simultaneously.

### VACUUM INLET

31964

- 1-1/4" Conductive Inlet



### VACUUM TRAY/OPTIONAL VACUUM HOSE HANGER

96563

- Tool and abrasive storage



### VACUUM HOSE HANGER

96581

- Hose storage



### HEPA 13 FILTER

80459

- 99.95% efficiency  
on 0.3 micron



### MEGA-RAPTOR VACUUM HEAD WITH ACCESSORY OUTLET

61601

- Replacement head for 61401
- Accessory outlet included on head



### MEGA-RAPTOR VACUUM HEAD WITHOUT ACCESSORY OUTLET

61621

- Replacement head for 61421
- No Accessory outlet

# MEGA-RAPTOR VAC® ACCESSORIES

## ELECTRIC PORTABLE VACUUM SYSTEM



### VACUUM HOSE ASSEMBLY

31972

- 20' (6 m) conductive vacuum hose with integrated air line, (1) 1/4" NPT coupler and (2) 1/4" NPT plugs



### DISPOSABLE DUST COLLECTION BAG

96623

- 5-Pack



### GENERAL PURPOSE COLLECTION HOSE

62340

- 10' (3 m) length



### CURVED HANDLE WITH EXTENSION

62341

- Conductive



### CREVICE TOOL

62821

- Conductive, 1-1/4" (32 mm)



### ROUND BRUSH

62727

- Conductive, 1-1/4" (32 mm)



### 1-1/4" FLAT TOOL

62822

- Conductive, Flat Tool, 1-1/4" (32 mm)



### UTILITY FLOOR TOOL

62342

- Conductive



### STAINLESS STEEL UNION

62343

- Conductive



### DYNABRADE D-BLOCK SERIES

4 Sizes Available

- Hook-face backing
- Order Vacuum Hose Assembly 31919 for direct connection to Raptor Vac® Vacuum Systems

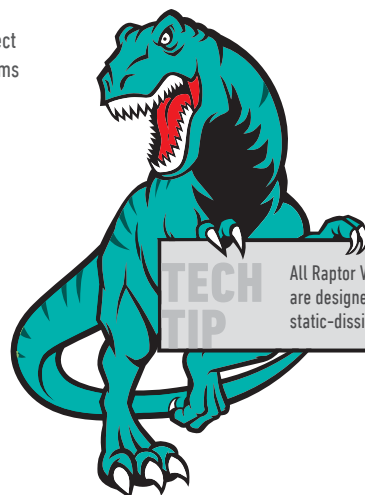


### D-BLOCK VAC. HOSE ASSEMBLY

31919

- 20' Long
- For use with D-Block Series tools for direct connection to Raptor Vac® Vacuum Systems

Model No.	Vacuum Holes	Hose Dia.	Width	Length
22092	14	3/4" (19 mm)	2-3/4" (70 mm)	16" (432 mm)
22093	10		4-1/2" (114 mm)	9" (229 mm)
22091	8		2-3/4" (70 mm)	8" (203 mm)
22090			2-3/4" (70 mm)	5" (127 mm)



All Raptor Vac® Systems are designed with essential static-dissipative features.

# DIVISION 2 VACUUMS

## CLASS II, DIVISION 2 LOCATION – CERTIFIED

Working off the North American NFPA standards, federal, state and local authorities provide manufacturing safety guidelines to companies which designate specific environments and dust types as potentially volatile or hazardous to human health and the environment. For manufacturers, guidelines outline varying degrees of risk and severity pertaining to workplace dust based on several factors like, dust type (metallic vs. non-metallic) and concentration of suspended or settled dust. Dust concentrations equivalent to 5% surface coverage with a coating of only 1/32" can pose a serious risk and must be properly addressed. In addition to overall safety guidelines authorities recommend "housekeeping" best practices such as sweeping, wiping or vacuuming as part of a dust abatement plan; with vacuuming being the preferred method of clean-up.

Dynabrade Clean Air Solutions have undergone a rigorous certification process through third party testing facilities (Examples: CSA & UL) and meet or exceed recommended best housekeeping practices. The certification process guarantees that when utilized correctly and properly maintained, Dynabrade Division 2 Clean Air Solutions will eliminate the possibility of being an ignition source. Each Division 2 vacuum is clearly identified with a recognition plate that authorities having jurisdiction will easily identify as being a designed, tested and certified system.

### QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.

**W<sub>d</sub>**  
Wood

**F<sub>b</sub>**  
Fiberglass

**S<sub>s</sub>**  
Solid Surface

**C<sub>m</sub>**  
Composite

**C<sub>f</sub>**  
Carbon Fiber

**B<sub>s</sub>**  
Brass

**C<sub>u</sub>**  
Copper

	FEATURE	BENEFIT
1	CONDUCTIVE VACUUM HOSES	Ensures proper electrostatic transfer.
2	INDUSTRIAL CART	Heavy-duty compact cart.
3	CONDUCTIVE VACUUM ASSEMBLY	Class II, Division 2 Location – Certified.
4	MUFFLER	Minimizes exhaust sound.
5	INTEGRATED TOOL/HOSE HANGERS	Eliminate tripping hazards.
6	POWERFUL VENTURI SYSTEM	Maximized lift and flow performance.
7	SUPPORTS 2 OPERATORS OUT OF THE BOX	Supports two operators working simultaneously.



4 MUFFLER

3 CONDUCTIVE VACUUM ASSEMBLY



2 INDUSTRIAL CART



1 CONDUCTIVE VACUUM HOSES

5

INTEGRATED  
TOOL/HOSE HANGERS



6

POWERFUL  
VENTURI SYSTEM

7

SUPPORTS  
2 OPERATORS



## ELECTRIC DIVISION 2, DUAL OPERATOR (DRY COLLECTION)

### CLASS II, DIVISION 2 LOCATION – CERTIFIED

Safety and fine dust capture are the specialty of Division 2 Raptor Vac® Clean Air Solutions. From motor head to recovery tank each component plays a role in fire prevention and fine dust capture.

#### STAGES OF FILTRATION

- Certified Electric Powerhead – insulated motor and controls
- Stage 4, HEPA 14 Filtration – ultra-fine filter capturing 99.995% of dust .3 micron and larger
- Stage 3, SD Micro Safety Filter – protects stage 4 HEPA filter
- Stage 2, Main Filter – prevents debris from reaching fine filters
- Stage 1, Collection Bag – safely contains dust and debris

The conductive recovery tank, liner and vacuum hoses create an added layer of protection by insulating operators and the Raptor Vac® from static shock and further preventing ignition sources.

- Conductive Recovery Tank – Ensures safe dissipation of potential electrostatic discharge, bringing it back to proper earth ground.
- Conductive Poly Liner – Ensures safe dissipation of potential electrostatic discharge, allows for draw-string capture of collection bag for proper transfer and disposal.
- Conductive Hoses – carbon infused hoses maintain static transfer without coatings that can wear.

**CERTIFIED ELECTRIC  
POWERHEAD ASSEMBLY**  
INSULATED MOTOR & CONTROLS



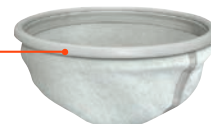
**STAGE 4, HEPA 14  
FILTRATION**  
ULTRA-FINE FILTER CAPTURING  
99.995% DUST .3 MICRON & LARGER



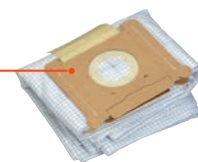
**STAGE 3 FILTRATION**  
SD\* MICRO SAFETY FILTER



**STAGE 2, MAIN FILTER**  
PREVENTS DEBRIS FROM  
REACHING FINE FILTERS



**STAGE 1,  
COLLECTION BAG**  
SAFELY CONTAINS DUST & DEBRIS



**CONDUCTIVE  
POLY LINER**  
ALLOW SAFE COLLECTION  
BAG DISPOSAL



**CONDUCTIVE  
RECOVERY TANK**  
10 GALLON  
COLLECTION CAPACITY



Model No.	Capacity	Air Inlet Pressure	Voltage/Frequency	Watts	Amp	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes 2 Hoses
<b>61430</b>	10 Gal. (38 Liters)	90 PSIG (6.2 Bar)	120V/60 Hz	1,200	20 Amp (USA/CA)	107" / 272 cm / 267 mbar	110 CFM (3,115 L/Min)	68 dB(A)	122 lb (56 kg)	39" (991 mm)	20" (508 mm)	27" (686 mm)	Yes
<b>61430V</b>									114 lb (52 kg)				-

Additional Specifications: Consult factory for available vacuum hose options.

# ELECTRIC DIVISION 2, DUAL OPERATOR (DRY COLLECTION)

## CLASS II, DIVISION 2 LOCATION - CERTIFIED

Division 2 Raptor Vacs® are used to capture non-metallic dusts, such as wood, composites and plastic, created through sanding operations. Powerful suction supports two operators simultaneously in dry industrial applications. Two additional HEPA Filters included within powerhead, making it eligible for IP6X, adding further dust protection to electric components. IP6X - defined as tested to fully dust tight.

### INCLUDES:

- Two 20' (6 m) Conductive Coaxial Hoses with Integrated Air Lines
- Y-Connector
- Disposable Collection Bag
- Conductive Poly Liner
- Bag Locking Kit

### TOOL/HOSE HANGERS

ELIMINATES ON FLOOR TRIPPING HAZARDS

### CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CLASS II, DIV 2 LOCATION-CERTIFIED

### REDUCED FLOW INDICATOR

MAINTENANCE PROMPT

### AUTO ON/OFF SWITCH

SYSTEM TURNS ON & OFF WITH USE OF TOOL

### PNEUMATIC TOOL AIR SUPPLY MANIFOLD

SUPPORTS TWO TOOLS

### VACUUM INLET

SUPPORTS TWO OPERATORS

### 20' VACUUM HOSE ASSEMBLY (2)

WITH INTEGRATED AIR LINE

### CERTIFICATIONS:

Designed for use in:  
Class II, Division 2, Groups F & G  
Temperature Rating T3B



2 YEAR WARRANTY



\*Hazardous Locations as defined by NFPA Standards

## PNEUMATIC DIVISION 2, DUAL OPERATOR (DRY COLLECTION) CLASS II, DIVISION 2 LOCATION – CERTIFIED

Safety and fine dust capture are the specialty of Division 2 Raptor Vac® Clean Air Solutions. From Powerhead to recovery tank each component plays a role in fire prevention and fine dust capture.

### STAGES OF FILTRATION

- Certified Pneumatic Vacuum System/Venturi
- Stage 4, HEPA 14 Filtration – ultra-fine filter capturing 99.995% of dust .3 micron and larger
- Stage 3, SD Micro Safety Filter – protects Stage 4 HEPA filter
- Stage 2, Main Filter – prevents debris from reaching fine filters
- Stage 1, Collection Bag – safely contains dust and debris

The conductive recovery tank, liner and vacuum hoses create an added layer of protection by insulating operators and the Raptor Vac® from static shock and further preventing ignition sources.

- Conductive Recovery Tank – Ensures safe dissipation of potential electrostatic discharge, bringing it back to proper earth ground.
- Conductive Poly Liner – Ensures safe dissipation of potential electrostatic discharge, allows for draw-string capture of collection bag for proper transfer and disposal
- Conductive Hoses – carbon infused hoses maintain static transfer without coatings that can wear.

\*While the Auto On/Off does not come as a standard feature with our 61440 model; it is available as a complete system in our 61447 model.



**CERTIFIED PNEUMATIC  
POWERHEAD  
ASSEMBLY**



**STAGE 4, HEPA 14  
FILTRATION**

ULTRA-FINE FILTER CAPTURING  
99.995% DUST .3 MICRON & LARGER



**STAGE 3 FILTRATION**

SD\* MICRO SAFETY FILTER



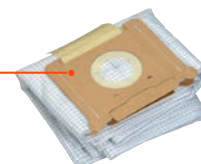
**STAGE 2, MAIN FILTER**

PREVENTS DEBRIS FROM  
REACHING FINE FILTERS



**STAGE 1,  
COLLECTION BAG**

SAFELY CONTAINS DUST & DEBRIS



**CONDUCTIVE  
POLY LINER**

ALLOW SAFE COLLECTION  
BAG DISPOSAL



**STORAGE/TOOL  
HANGERS**

**BAG LOCKING KIT**

ENSURES BAG RETENTION

**CONDUCTIVE  
RECOVERY TANK**

10 GALLON  
COLLECTION CAPACITY



Model No.	Capacity	Air Inlet Pressure	Air Consumption	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61440	10 Gal. (38 Liters)	90 PSIG (6.2 Bar)	45 SCFM (1,274 L/Min)	170" / 432 cm / 423 mbar	110 CFM (3,114 L/Min)	80 dB(A)	102 lb (46 kg)	39" (991 mm)	20" (508 mm)	27" (686 mm)	Yes
61440V							94 lb (43 kg)				-

Additional Specifications: Consult factory for available vacuum hose options.

# PNEUMATIC DIVISION 2, DUAL OPERATOR (DRY COLLECTION)

## CLASS II, DIVISION 2 LOCATION - CERTIFIED

Where facilities have proper air-supply, the pneumatic system allows for increased lift and flow benefits. Pneumatic Raptor Vacs® can be operated around the clock without fear of motor component wear.

### INCLUDES:

- Two 20' (6 m) Conductive Coaxial Hoses with Integrated Air Lines
- Y-Connector
- Disposable Collection Bag
- Conductive Poly Liner
- Bag Locking Kit

### TOOL/HOSE HANGERS

ELIMINATES ON FLOOR TRIPPING HAZARDS

### TOOL/VENTURI REGULATOR

ENSURES BALANCED AIRFLOW

### CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CLASS II, DIV 2 LOCATION-CERTIFIED

### 20' VACUUM HOSE ASSEMBLY (2) WITH INTEGRATED AIR LINE

### CERTIFICATIONS:

Designed for use in:  
Class II, Division 2, Groups F & G  
Temperature Rating T6

\*Hazardous Locations as defined by NFPA Standards

**HEPA filter** 2 YEAR WARRANTY



# ELECTRIC DIVISION 2 GENERAL PURPOSE (DRY COLLECTION)

CLASS II, DIVISION 2 LOCATION - CERTIFIED

Electric powered Raptor Vacs® can be utilized with a variety of attachments for safe cleanup throughout a manufacturing facility. Operators can easily swap from vacuum aided sanding, to work cell cleanup. Cleaning kits are conductive and insulate operators from static shock while integrated hose hangers alleviate potential tripping hazards.

**HOSE HANGERS**  
ELIMINATES ON FLOOR  
TRIPPING HAZARDS

**INDUSTRIAL CART**  
HEAVY-DUTY COMPACT CART

**CONDUCTIVE CLEANING KIT**  
STATIC DISSIPATING

**POWERFUL ELECTRIC  
VACUUM**  
MAXIMIZED LIFE &  
FLOW PERFORMANCE

**CONDUCTIVE VACUUM  
ASSEMBLY**  
SUPPORTS CLASS II,  
DIV 2 LOCATION-CERTIFIED

**CLICK N' LOCK HOSE INLET**  
SECURES VACUUM HOSE TO SYSTEM

CERTIFICATIONS:

Designed for use in:  
Class II, Division 2, Groups F & G  
Temperature Rating T3B



\*Hazardous Locations as defined by NFPA Standards

Model No.	Capacity	Air Inlet Pressure	Voltage/ Frequency	Watts	Amp	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes 2 Hoses
61517	10 Gal. (38 Liters)	90 PSIG (6.2 Bar)	120V/60 Hz	1,200	20 Amp (USA/CA)	107" / 272 cm / 267 mbar	110 CFM (3,115 L/Min)	68 dB(A)	122 lb (56 kg)	39" (991 mm)	20" (508 mm)	27" (686 mm)	Yes

# PNEUMATIC DIVISION 2 GENERAL PURPOSE (DRY COLLECTION)

## CLASS II, DIVISION 2 LOCATION - CERTIFIED

Pneumatic powered Raptor Vacs® can be utilized with a variety of attachments for safe cleanup throughout a manufacturing facility. Operators can easily swap from vacuum aided sanding, to work cell cleanup. Cleaning kits are conductive and insulate operators from static shock while integrated hose hangers alleviate potential tripping hazards. Where facilities have proper air-supply, the pneumatic system allows for increased lift and flow benefits. Pneumatic Raptor Vacs® can be operated around the clock without fear of motor component wear.

### MUFFLER

MINIMIZES EXHAUST SOUND

### INDUSTRIAL CART

HEAVY-DUTY COMPACT CART

### CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CLASS II,  
DIV 2 LOCATION-CERTIFIED

### CONDUCTIVE CLEANING KIT

STATIC DISSIPATING

### POWERFUL VENTURI SYSTEM

MAXIMIZED LIFE &  
FLOW PERFORMANCE

### HOSE HANGERS

ELIMINATES ON FLOOR  
TRIPPING HAZARDS

### CLICK N' LOCK HOSE INLET

SECURES VACUUM HOSE TO SYSTEM

#### CERTIFICATIONS:

Designed for use in:  
Class II, Division 2, Groups F & G  
Temperature Rating T6

*\*Hazardous Locations as defined by NFPA Standards*

**HEPA**  
filter 2 YEAR  
WARRANTY



Model No.	Capacity	Air Inlet Pressure	Air Consumption	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61518	10 Gal. (38 Liters)	90 PSIG (6.2 Bar)	45 SCFM (1,274 L/Min)	170" / 432 cm / 423 mbar	110 CFM (3,114 L/Min)	80 dB(A)	102 lb (46 kg)	39" (991 mm)	20" (508 mm)	27" (686 mm)	Yes

# DIVISION 2 VACUUM ACCESSORIES

BUILD THE SYSTEM TO MEET YOUR NEEDS



## CONDUCTIVE CLEANING KIT

96607

- Kit Includes:  
Vacuum Hose - 10' (3 m) length,  
Curved handle with extension,  
Round Brush, Crevice Tool,  
Small & large coarse nozzle



## CONDUCTIVE Y-CONNECT/INLET

31968

- Connect two tools simultaneously.

## VACUUM INLET

31964

- 1-1/4" Conductive Inlet



## ELECTRIC VACUUM HEAD

62796

- Replacement Vacuum Head



## PNEUMATIC VACUUM HEAD

61445

- Replacement Vacuum Head



## TOOL/VAC HOSE HANGER

61506

- Storage of second tool  
and vacuum hose



## CURVED HANDLE WITH EXTENSION

62341

- Provides extended  
vacuum hose



## CREVICE TOOL

62821

- Conductive,  
1-1/4" (32 mm)



## ROUND BRUSH

62727

- Conductive  
- 1-1/4" (32 mm)



## SMALL COARSE NOZZLE

62822

- Conductive, Flat Tool  
- 1-1/4" (32 mm)



## LARGE COARSE NOZZLE

62342

- Provides wider  
area of capture



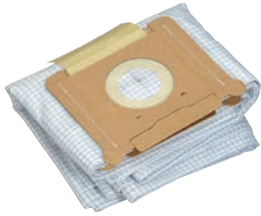
## STAINLESS STEEL UNION

62343

- Allows connection  
between  
components

# DIVISION 2 VACUUM ACCESSORIES

BUILD THE SYSTEM TO MEET YOUR NEEDS



## COLLECTION BAG

62647

- Stage 1



## PRE-FILTER

62677

- Stage 2



## MICRO SAFETY FILTER

62414

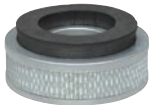
- Stage 3



## WORKING AIR HEPA FILTER/INTAKE

62640

- Stage 4



## COOLING HEPA FILTER/INTAKE

62410

- Electric motor intake filter



## HEPA FILTER/EXHAUST

62483

- Electric motor exhaust filter



## CONDUCTIVE POLY LINER

62638

- 5-Pack



## GROUNDING AIR LINE

62449

- Ensures proper grounding of pneumatic vacuum system



## VACUUM HOSE

62340

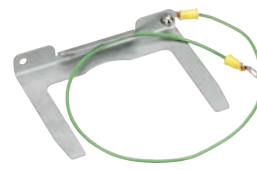
- 10' (3 m.) length



## FRL MOUNTING KIT

62921

- Allows dry air to vacuum and lubrication to your tools



## BAG LOCKING KIT

61594

- Ensures bag retention

# DIVISION 1 VACUUMS

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

Capturing metallic dust presents specific challenges to a manufacturing process and in some instances is a required step for establishing a safe work environment. Combustibility and volatility are two potential characteristics of some metals in fine dust form that Dynabrade addresses with Division 1 Clean Air Solutions. Dynabrade supports the NFPA 652 standard which states vacuuming to be the preferred method of housekeeping and maintains that capturing dust as it is being made through vacuum-ready air tools is the most efficient method of capture. Such an approach permits skilled operators to carry on producing, with fewer housekeeping stops.

Primary considerations when selecting a Clean Air Solution for metallic capture are type of metal(s) and the environment where work is being done. Secondary considerations involve dry vs. immersion bath collection, as well as collection capacity and solution portability. Dynabrade is prepared to support all these considerations with CERTIFIED systems, GUARANTEED and TESTED for the safe recovery of combustible dusts. Without a certification plate, as depicted below, a vacuum has not been legally certified to capture potentially combustible dusts.



### QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.

**A<sub>t</sub>**  
Aluminum

**S<sub>t</sub>**  
Stainless Steel

**C<sub>s</sub>**  
Carbon Steel

	FEATURE	BENEFIT
1	CONDUCTIVE VACUUM HOSE	Ensures proper electrostatic transfer.
2	ERGONOMIC BACK-PACK	Ideal for tight areas and operator transport.
3	POWERFUL PNEUMATIC VENTURI	Superior lift and flow.
4	SINGLE OPERATOR INLET	Ergonomic swivel operation.
5	CONDUCTIVE PNEUMATIC VACUUM	Supports Class II, Division 1 Location - Certified.
6	SINGLE OPERATOR AIR SUPPLY TO TOOL	Plug-N'-Play tool support.





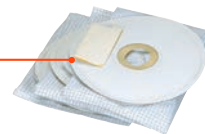
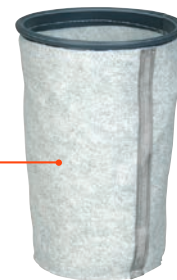
# PNEUMATIC DIVISION 1, SINGLE OPERATOR (DRY COLLECTION) CLASS II, DIVISION 1 LOCATION – CERTIFIED

Safety and fine dust capture are the specialty of Division 1 Raptor Vac® Clean Air Solutions. From pneumatic head to recovery tank each component plays a role in fire prevention and fine dust capture.

## STAGES OF FILTRATION

- Certified Pneumatic Vacuum System/Venturi
- Stage 3, HEPA 14 Filtration – ultra-fine filter capturing 99.995% of dust .3 micron and large
- Stage 2, Main Filter – prevents debris from reaching fine filters
- Stage 1, Collection Bag – safely contains dust and debris  
The conductive recovery tank and vacuum hoses create an added layer of protection by insulating operators and the Raptor Vac® from static shock and further preventing ignition sources.
- Conductive Recovery Tank – Ensures safe dissipation of potential electrostatic discharge, bringing it back to proper earth ground.
- Conductive Hoses – carbon infused hoses maintain static transfer without coatings that can wear.

CONDUCTIVE INLET

COLLECTION BAG  
STAGE 1 FILTRATIONCLOTH FILTER  
STAGE 2 FILTRATIONHEPA FILTER  
STAGE 3 FILTRATIONCERTIFIED PNEUMATIC  
VACUUM SYSTEM/VENTURI

Model No.	Capacity	Max Capacity	Air Inlet Pressure PSIG (Bar)	Air Consumption	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length
61470	1.5 Gallon (6 Liter)	5 lb. (2.3 kg)	90 (6.2)	35 SCFM (991 L/Min)*	80" / 203 cm / 199 mbar	50 CFM (1,416 L/Min)	68 dB(A)	28 Lb (13 kg)	16" (406 mm)	18" (457 mm)	30" (762 mm)
61470V								20 Lb (9 kg)			
61472								28 Lb (13 kg)			
61472V								20 Lb (9 kg)			



61470



\*Mounting hardware included

## PNEUMATIC WALL-MOUNT VACUUM

For use on metallic surfaces, a perfect solution for the occasional capture of potentially hazardous dusts such as aluminum and commercial alloys. The included wall-mounting brackets allow for convenient storage and removal providing technicians with added mobility throughout the workplace.

### INCLUDES:

- 20' (6 m) Conductive air hose with integrated air lines
- Composite Coupler
- Vacuum Hose Swivel Adapter
- Three Collection Bags
- 1/2" x 2' Conductive Air Line



31990

## PNEUMATIC DIVISION 1 CONDUCTIVE PNEUMATIC

## PNEUMATIC BACKPACK STYLE VACUUM

Lightweight design is ideal in tight areas where larger vacuum unit cannot be used. Includes backpack harness for great mobility!

### INCLUDES:

- 8' (2.5 m) Conductive Air Hose with Integrated Air Lines
- Composite Coupler
- Vacuum Hose Swivel Adapter
- Three Collection Bags
- 1/2" x 25' Conductive Air Line



31955



61472



### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Groups A, B, C & D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T6

**HEPA** filter **2 YEAR** WARRANTY



\*Hazardous Locations as defined by NFPA Standards

# PNEUMATIC DIVISION 1

## GENERAL PURPOSE (DRY COLLECTION)

### CLASS II, DIVISION 1 LOCATION – CERTIFIED

Safety and fine dust capture are the specialty of Division 1 Raptor Vac® Clean Air Solutions. From motor head to recovery tank each component plays a role in fire prevention and fine dust capture.

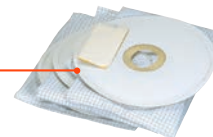
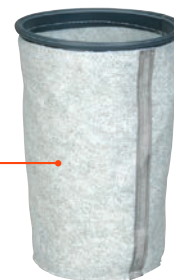
#### STAGES OF FILTRATION

- Certified Pneumatic vacuum system/venturi
- Stage 3, HEPA 14 Filtration – ultra-fine filter capturing 99.995% of dust .3 micron and large
- Stage 2, Main Filter – prevents debris from reaching fine filters
- Stage 1, Collection Bag – safely contains dust and debris

The conductive recovery tank and vacuum hoses create an added layer of protection by insulating operators and the Raptor Vac® from static shock and further preventing ignition sources.

- Conductive Recovery Tank – Ensures safe dissipation of potential electrostatic discharge, bringing it back to proper earth ground.
- Conductive Hoses – carbon infused hoses maintain static transfer without coatings that can wear.

CONDUCTIVE INLET

COLLECTION BAG  
STAGE 1 FILTRATIONCLOTH FILTER  
STAGE 2 FILTRATIONHEPA FILTER  
STAGE 3 FILTRATIONSTAINLESS STEEL  
CONDUCTIVE  
VACUUM CANISTER

Model No.	Capacity	Max Capacity	Air Inlet Pressure PSIG (Bar)	Air Consumption	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length
61478	1.5 Gallon (6 Liter)	5 lb. (2.3 kg)	90 (6.2)	35 SCFM (991 L/Min)*	80" / 203 cm / 199 mbar	50 CFM (1,416 L/Min)	68 dB(A)	28 Lb (13 kg)	16" (406 mm)	18" (457 mm)	30" (762 mm)
61479											



61478



\*Mounting hardware included

## PNEUMATIC WALL-MOUNT VACUUM GENERAL PURPOSE CLEAN-UP

For use on metallic surfaces, a perfect solution for the occasional capture of potentially hazardous dusts such as aluminum and commercial alloys. The included wall-mounting brackets allow for convenient storage and removal providing technicians with added mobility throughout the garage.

### INCLUDES:

- HEPA H14 - Ultra-fine filter capturing 99.995% of dust .3 micron and larger.
- Brackets and Mounting Hardware
- Three Collection Bags

## PNEUMATIC DIVISION 1 CONDUCTIVE PNEUMATIC

## PNEUMATIC BACKPACK STYLE VACUUM GENERAL PURPOSE CLEAN-UP

Lightweight design is ideal in tight areas where larger vacuum unit cannot be used. Includes backpack harness for great mobility!

### INCLUDES:

- 8' (2.5 m) Conductive Air Hose with Integrated Air Lines
- Composite Coupler
- Vacuum Hose Swivel Adapter
- Three Collection Bags



61479

### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Groups A, B, C & D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T6



\*Hazardous Locations as defined by NFPA Standards

# DIVISION 1 VACUUMS

## CLASS II, DIVISION 1 LOCATION – CERTIFIED

Division 1 Clean Air Solutions are certified for the safe recovery of metallic dusts in a dry state. Capturing metallic dust presents specific challenges to a manufacturing process and in some instances is a required step for establishing a safe work environment. Combustibility and volatility are two potential characteristics of some metals in fine dust form that Dynabrade addresses with Division 1 Clean Air Solutions. Dynabrade supports the NFPA 652 standard which states vacuuming to be the preferred method of housekeeping and maintains that capturing dust as it is being made through vacuum-ready air tools is the most efficient method of capture. Such an approach permits skilled operators to carry on producing, with fewer housekeeping stops.

Primary considerations when selecting a Clean Air Solution for metallic capture are type of metal(s) and the environment where work is being done. Secondary considerations involve dry vs. immersion bath collection, as well as collection capacity and solution portability. Dynabrade is prepared to support all these considerations with CERTIFIED systems, GUARANTEED and TESTED for the safe recovery of combustible dusts. These Division 1 certified explosion proof systems are the perfect solution for the collection of volatile dusts in a the manufacturing process of sanding and grinding. Collecting the dust at the source/tool ensures not only a safe but healthy environment for the operator and surrounding facility.

## QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.

<b>A<sub>i</sub></b> Aluminum	<b>S<sub>t</sub></b> Stainless Steel	<b>C<sub>s</sub></b> Carbon Steel
----------------------------------	---	--------------------------------------

FEATURE	BENEFIT
<b>1</b> INDUSTRIAL CART	Heavy-duty compact cart.
<b>2</b> CONDUCTIVE VACUUM HOSES	Ensures proper electrostatic transfer.
<b>3</b> CONDUCTIVE VACUUM ASSEMBLY	Supports Class II, Division 1 Location – Certified.
<b>4</b> POWERFUL VENTURI SYSTEM	Maximized lift and flow performance.
<b>5</b> INTEGRATED TOOL/HOSE HANGERS	Eliminates on floor tripping hazards.
<b>6</b> INTEGRATED STORAGE	Accessory storage.
<b>7</b> DUAL OPERATOR INLET	Supports two operators working simultaneously.

4

**POWERFUL PNEUMATIC VENTURI**

3

**CONDUCTIVE VACUUM ASSEMBLY**



2

**CONDUCTIVE VACUUM HOSES**



1

**INDUSTRIAL CART**



**5** INTEGRATED  
TOOL/HOSE HANGERS

**6** INTEGRATED  
STORAGE

**7** DUAL OPERATOR  
INLET

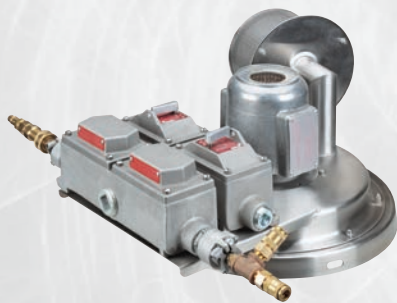
# ELECTRIC DIVISION 1, DUAL OPERATOR (DRY COLLECTION) CLASS II, DIVISION 1 LOCATION – CERTIFIED

Safety and fine dust capture are the specialty of Division 1 Raptor Vac® Clean Air Solutions. From motor head to recovery tank each component plays a role in fire prevention and fine dust capture.

### STAGES OF FILTRATION

- Certified Electric Motor-Head – Insulated motor and controls.
- Stage 2, HEPA 14 Filtration – Ultra-fine filter capturing 99.995% of dust .3 micron and larger – Exhaust.
- Stage 1, Main Filter – Prevents debris from reaching fine filter. The conductive recovery tank, conductive liner and vacuum hoses create an added layer of protection by insulating operators and the Raptor Vac® from static shock and further preventing ignition sources.
- Conductive Recovery Tank – Ensures safe dissipation of potential electrostatic discharge, bringing it back to proper earth ground.
- Conductive Poly Liner – Ensures safe dissipation of potential electrostatic discharge, allows for draw-string capture of collection bag for proper transfer and disposal.
- Conductive Hoses – Carbon infused hoses maintain static transfer without coatings that can wear.

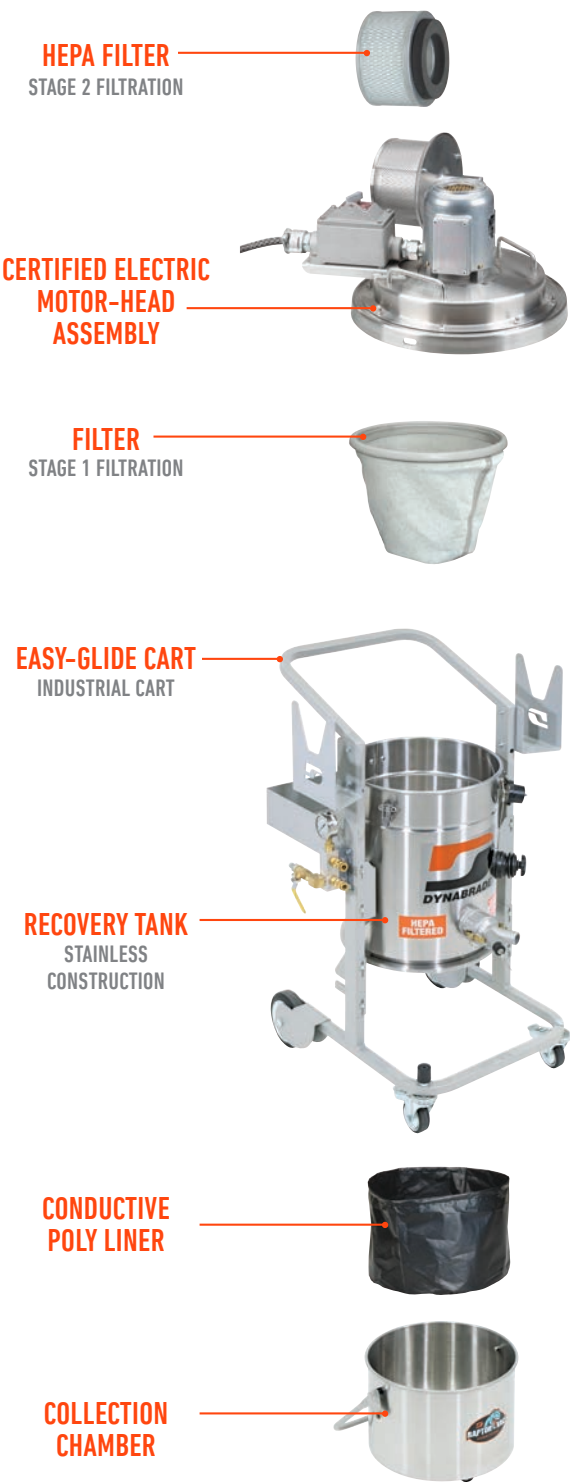
\*Order 61455 for model with Auto On/Off feature.



\*Head Replacement - 61569

Model No.	Voltage/ Frequency	Capacity	AMP	Power	Dust Recovery	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61450	120 V / 50/60 Hz	6.25 Gallon (24 Liter)	20A (USA/CA)	1,000 W	5 lb (2.27 kg)	69" / 175 cm / 172 mbar	132 CFM (3,738 L/Min)	85 dBA	179 lb (81 kg)	43" (1,092 mm)	26" (660 mm)	26" (660 mm)	Yes
61450V									171 lb (78 kg)				-

Additional Specifications: Consult factory for available vacuum hose options.



# ELECTRIC DIVISION 1, DUAL OPERATOR (DRY COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

Electric Portable Vacuum For use on metallic surfaces such as aluminum, magnesium, titanium, commercial alloys. Collects maximum of 5 lbs. (2.27 kg) of dust. Designed for dry-only source capture, where fine dust must be recovered. Legally certified as explosion-proof and dust ignition-proof. Manual Filter Shaker (MFS) system.

### INCLUDES:

- Two 20' (6 m) Conductive Coaxial Hoses with Integrated Air Lines
- Y-Connector
- Conductive Poly Liner
- Multimeter

### TOOL/HOSE HANGERS

ELIMINATES ON FLOOR  
TRIPPING HAZARDS

### INTEGRATED STORAGE

ACCESSORY STORAGE

### SUPPORTS 2 OPERATORS

2 TOOLS

### CLICK N' DROP

CLEAN-OUT CHAMBER ACCESS

### CERTIFIED EXPLOSION PROOF MOTOR

### MANUAL FILTER SHAKE

ENSURES PROPER AIRFLOW

### 20' VACUUM HOSE ASSEMBLY WITH INTEGRATED AIR LINE



### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Group D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T3C  
\*Hazardous Locations as defined by NFPA Standards



2 YEAR  
WARRANTY



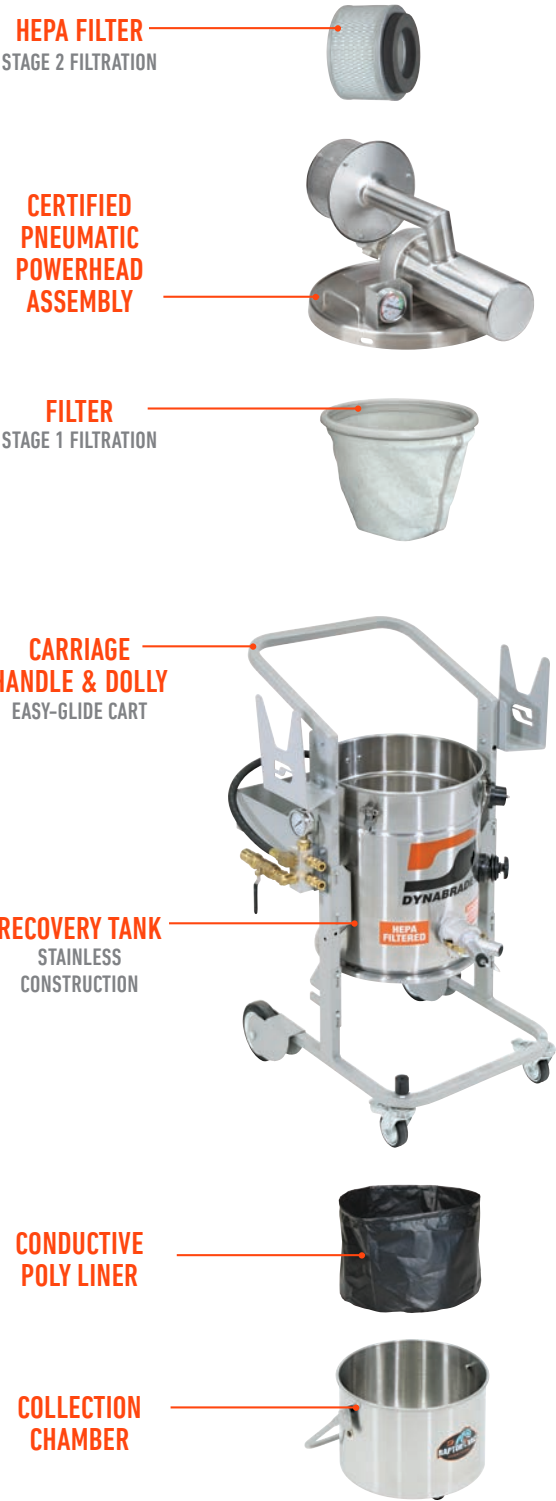
# PNEUMATIC DIVISION 1, DUAL OPERATOR (DRY COLLECTION) CLASS II, DIVISION 1 LOCATION - CERTIFIED

Safety and fine dust capture are the specialty of Division 1 Raptor Vac® Clean Air Solutions. From motor head to recovery tank each component plays a role in fire prevention and fine dust capture.

### STAGES OF FILTRATION

- Certified Pneumatic Powerhead/Venturi
- Stage 2, HEPA 14 Filtration – Ultra-fine filter capturing 99.995% of dust .3 micron and larger – Exhaust.
- Stage 1, Main Filter – Prevents debris from reaching fine filter. The conductive recovery tank, conductive liner and vacuum hoses create an added layer of protection by insulating operators and the Raptor Vac® from static shock and further preventing ignition sources.
- Conductive Recovery Tank – Ensures safe dissipation of potential electrostatic discharge, bringing it back to proper earth ground.
- Conductive Poly Liner – Ensures safe dissipation of potential electrostatic discharge, allows for draw-string capture of collection bag for proper transfer and disposal
- Conductive Hoses – Carbon infused hoses maintain static transfer without coatings that can wear.

\*Order 61467 for model with Auto On/Off feature.



Model No.	Air Inlet Pressure	Capacity	Air Consumption	Dust Recovery	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61465	90 PSIG (6.2 Bar)	6.25 lb (24 Liter)	45 CFM (1,274 L/Min)	5 lb (2.27 kg)	180" / 457 cm / 448 mbar	110 CFM (3,115 L/Min)	80 dB(A)	168 lb (76 kg)	48" (1,219 mm)	22" (559 mm)	20" (508 mm)	Yes
61465V								160 lb (73 kg)				-

Additional Specifications: Consult factory for available vacuum hose options.

# PNEUMATIC DIVISION 1, DUAL OPERATOR (DRY COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

Pneumatic Portable Vacuum. For use on metallic surfaces such as aluminum, magnesium, titanium, commercial alloys. Collects maximum of 5 lbs. (2.27 kg) of dust. Designed for dry-only source capture, where fine dust must be recovered. Legally certified as explosion-proof and dust ignition-proof. Includes HEPA H14 Filter with 99.995% efficiency on 0.3 micron. Filter is located downstream of the motor. Manual Filter Shaker (MFS) system.

### INCLUDES:

- Two 20' (6 m) Conductive Coaxial Hoses with Integrated Air Lines
- Y-Connector
- Conductive Poly Liner
- Multimeter
- 3/4" x 25' Conductive Air Line



### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Groups A, B, C & D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T6

**HEPA filter** 2 YEAR WARRANTY

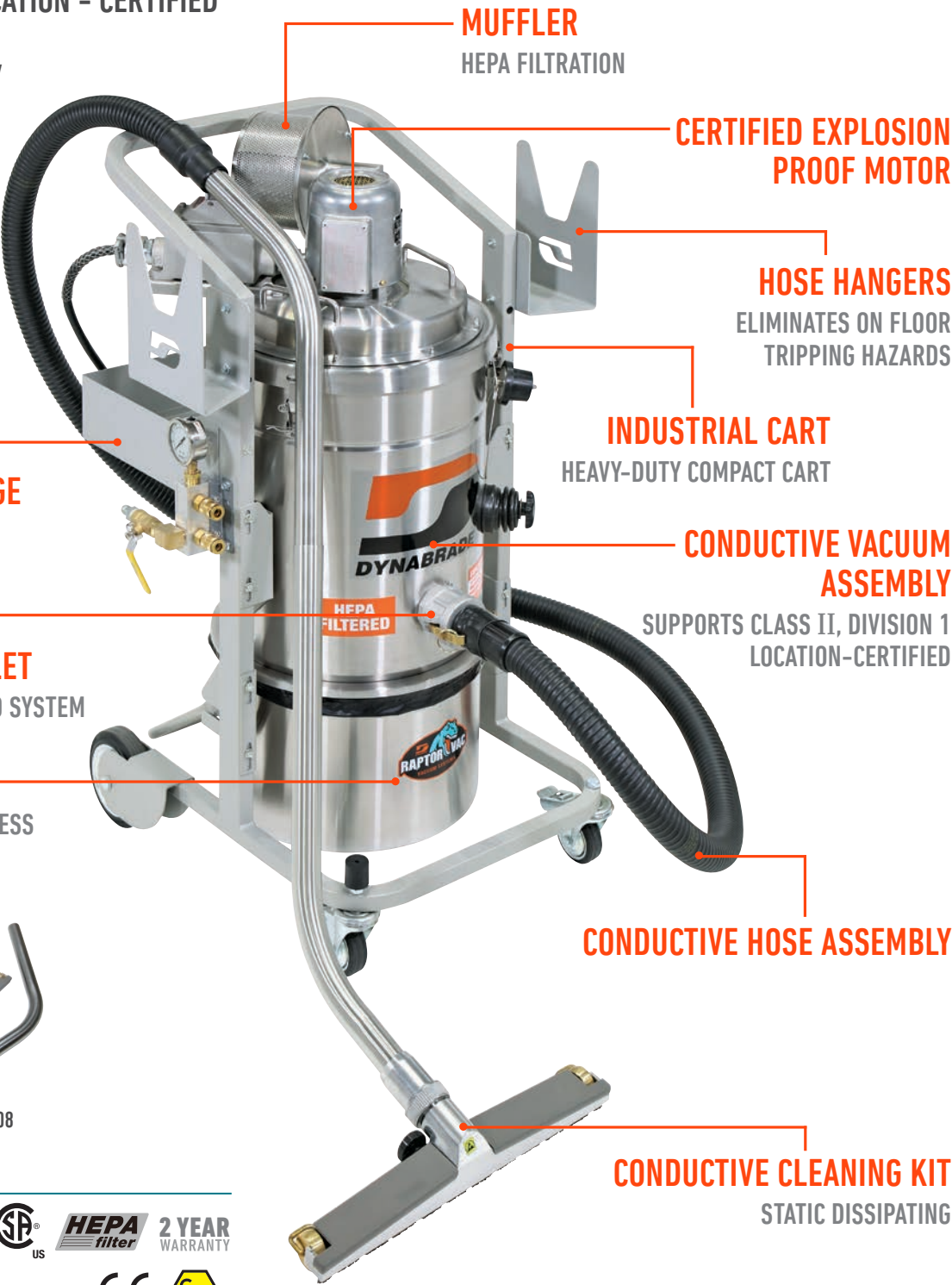


\*Hazardous Locations as defined by NFPA Standards

# ELECTRIC DIVISION 1 GENERAL PURPOSE (DRY COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

Eliminating the nuisance of everyday dust while creating an efficient and safe Division 1 work environment starts with Dynabrade's explosion-proof systems. This electric model provides a solution for safe General Purpose cleanup, eliminating any potential source of ignition as a component for the opportunity of a dust explosion.



\*Conductive cleaning kit included - 96608

### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Group D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T3C



\*Hazardous Locations as defined by NFPA Standards

Model No.	Voltage/ Frequency	Capacity	AMP	Dust Recovery	Watts	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length
61452	120 V / 50/60 Hz	6.25 Gallon (24 Liter)	20A (USA/CA)	5 lb (2.27 kg)	1,000	69" / 175 cm / 172 mbar	132 CFM (3,738 L/Min)	85 dBA	179 lb (81 kg)	43" (1,092 mm)	26" (660 mm)	26" (660 mm)

# PNEUMATIC DIVISION 1 GENERAL PURPOSE (DRY COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

This Div 1 pneumatic model provides a solution for safe General Purpose cleanup when the applicable air volume is available. This certified venturi based system provides a robust component free design which will allow for years of production without service, while eliminating any potential source of ignition as a component for the opportunity of a dust explosion.

**INTEGRATED STORAGE**  
ACCESSORY STORAGE

**CONDUCTIVE VACUUM ASSEMBLY**  
SUPPORTS CLASS II, DIVISION 1  
LOCATION-CERTIFIED



\*Conductive cleaning kit included - 96608

### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Groups A, B, C & D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T6

\*Hazardous Locations as defined by NFPA Standards

**HEPA** filter 2 YEAR WARRANTY



**MUFFLER**  
HEPA FILTRATION

**INDUSTRIAL CART**  
HEAVY-DUTY COMPACT CART

**HOSE HANGERS**  
ELIMINATES ON FLOOR  
TRIPPING HAZARDS

**POWERFUL VENTURI VACUUM**  
MAXIMIZED LIFT & FLOW PERFORMANCE

**CAM-LOCK  
HOSE INLET**  
SECURES VACUUM  
HOSE TO SYSTEM

**CLICK N' DROP**  
CLEAN-OUT CHAMBER ACCESS

**CONDUCTIVE CLEANING KIT**  
STATIC DISSIPATING

Model No.	Air Inlet Pressure	Capacity	Air Consumption	Dust Recovery	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length
61453	90 PSIG (6.2 Bar)	6.25 lb (24 Liter)	45 CFM (1,274 L/Min)	5 lb (2.27 kg)	180" / 457 cm / 448 mbar	110 CFM (3,115 L/Min)	80 dB(A)	168 lb (76 kg)	48" (1,219 mm)	22" (559 mm)	20" (508 mm)

# DIVISION 1

## COMPACT IMMERSION SEPARATOR

### CLASS II, DIVISION 1 LOCATION – CERTIFIED

When space in your dedicated explosion proof zone becomes valuable, Compact Immersion Separators are the perfect answer to meeting the NFPA safety requirements for the collection of aluminum, titanium, magnesium and other metal dusts. Dynabrade Raptor Vac® systems are designed for the recovery of metallic, conductive, and explosive dusts, in a liquid immersion bath of water which instantly renders the hazardous dust inert. All Dynabrade compact immersion separators are certified by third party testing labs, ensuring compliance with all NFPA's latest approved standards and associated requirements.

#### Electric and Pneumatic Vacuums Include:

- One 20' (6 m) Conductive Coaxial Hose with Integrated Air Line
- One Coupler
- Conductive Recovery Bag
- HEPA H14 Filter - Ultra-fine filter capturing 99.995% of dust .3 micron and larger.

#### Features:

Legally certified explosion proof / dust ignition proof by an OSHA approved Nationally Recognized Testing Laboratory (NRTL).  
Degassing Vent allows gas to be evacuated automatically from the unit.  
Vacuums and optional tool kit are static-dissipating and conductive.  
Corrosion resistant Stainless steel recovery tank.

### QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.

<b>Al</b> Aluminum	<b>St</b> Stainless Steel	<b>Cs</b> Carbon Steel	<b>Ti</b> Titanium	<b>Mg</b> Magnesium
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	FEATURE	BENEFIT
1	CONDUCTIVE VACUUM HOSE	Ensures proper electrostatic transfer.
2	SINGLE OPERATOR CAM-LOCK HOSE INLET	Easy click n' lock hose connection.
3	CONDUCTIVE VACUUM ASSEMBLY	Supports Class II, Division 1 Location-Certified.
4	TOOL/HOSE HANGERS	Eliminates on floor tripping hazards.
5	INDUSTRIAL CART	Heavy-duty compact cart.
6	POWERFUL VENTURI SYSTEM	Maximized lift and flow performance.

**4** TOOL/HOSE HANGERS

**3** CONDUCTIVE VACUUM ASSEMBLY

**2** SINGLE OPERATOR CAM-LOCK HOSE INLET

**1** CONDUCTIVE VACUUM HOSE



# ELECTRIC DIVISION 1, SINGLE OPERATOR (WET COLLECTION) CLASS II, DIVISION 1 LOCATION – CERTIFIED

Compact Immersion Separators are the perfect answer to meeting the NFPA safety requirements for the collection of aluminum, titanium, magnesium and other metal dusts. Dynabrade Raptor Vac® systems are designed for the recovery of metallic, conductive and explosive dusts, in a liquid immersion bath of water which instantly renders the hazardous dust inert. All Dynabrade compact immersion separators are certified by third party testing labs, ensuring compliance with all NFPA's up to date standards and associated requirements.

Safety and fine dust capture are the specialty of Division 1 Raptor Vac® Clean Air Solutions. From motor head to recovery tank each component plays a role in fire prevention and fine dust capture.

## STAGES OF FILTRATION

- Certified Electric Motor-Head – Insulated motor and controls.
- Stage 4, HEPA 14 Filtration – Ultra-fine filter capturing 99.995% of dust .3 micron and larger.
- Stage 3, Mesh Mist Trap/Filter – Protects stage 4 HEPA filter.
- Stage 2, Immersion Bath – Instantly Renders hazardous dust inert.
- Stage 1, Collection Bag – Safely contains dust and debris.

The conductive recovery tank and vacuum hoses create an added layer of protection by insulating operators and the Raptor Vac® from static shock and further preventing ignition sources.

- Conductive Recovery Tank – Ensures safe dissipation of potential electrostatic discharge, bringing it back to proper earth ground.
- Conductive Hoses – Carbon infused hoses maintain static transfer without coatings that can wear.



Model No.	Voltage/ Frequency	AMP	Power	Dust Recovery	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61495	120 V / 60 Hz	12A	1,000 W	3 lbs (1.36 kg)	69" / 175 cm / 172 mbar	132 CFM (3,738 L/Min)	75/85 dB(A)	75 Lb (34 kg)	36" (914 mm)	24" (610 mm)	34" (864 mm)	Yes
61495V								71 Lb (32 kg)				-

# ELECTRIC DIVISION 1, SINGLE OPERATOR (WET COLLECTION)

CLASS II, DIVISION 1 LOCATION - CERTIFIED

For collecting metallic dust & debris such as aluminum, titanium and magnesium. Collects and renders inert up to a maximum of 3 lbs. (1.36 kg) of dust.

## INCLUDES:

- One 20' (6 m) Conductive Coaxial Hoses with Integrated Air Line
- Conductive Collection Bag
- HEPA H14 Filter with 99.995% efficiency on 0.3 micron

**EXPLOSION PROOF  
POWER/SWITCH-BOX**  
SUPPORTS CLASS II,  
DIVISION 1 LOCATION-CERTIFIED

**EXPLOSION PROOF  
ELECTRIC MOTOR**  
SUPPORTS CLASS II, DIVISION 1  
LOCATION-CERTIFIED

**CONDUCTIVE VACUUM  
ASSEMBLY**  
SUPPORTS CLASS II,  
DIVISION 1  
LOCATION-CERTIFIED

## TOOL/HOSE HANGERS

ELIMINATES ON FLOOR  
TRIPPING HAZARDS

## PNEUMATIC TOOL AIR SUPPLY MANIFOLD

PROVIDES PLUG N' PLAY  
FUEL TO TOOL



**IMMERSION CHAMBER**  
RENDERS HAZARDOUS DUST INERT

HEPA  
FILTERED

**LIQUID LEVEL SIGHT**  
ENSURES PROPER  
OPERATING LEVELS

**KIDNEY BAG  
COLLECTION**  
UP TO 3 LBS OF  
RECOVERED DUST

## CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Group D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T3C



2 YEAR  
WARRANTY



\*Hazardous Locations as defined by NFPA Standards

# PNEUMATIC DIVISION 1, SINGLE OPERATOR (WET COLLECTION) CLASS II, DIVISION 1 LOCATION – CERTIFIED

Safety and fine dust capture are the specialty of Division 1 Raptor Vac® Clean Air Solutions. From motor head to recovery tank each component plays a role in fire prevention and fine dust capture.

## STAGES OF FILTRATION

- Certified Pneumatic Powerhead/Venturi
- Stage 4, HEPA 14 Filtration – Ultra-fine filter capturing 99.995% of dust .3 micron and larger.
- Stage 3, Mesh Mist Trap/Filter – Protects Stage 4 HEPA filter.
- Stage 2, Immersion Bath – Instantly Renders hazardous dust inert.
- Stage 1, Collection Bag – Safely contains dust and debris.

The conductive recovery tank and vacuum hoses create an added layer of protection by insulating operators and the Raptor Vac® from static shock and further preventing ignition sources.

- **Conductive Recovery Tank** – Ensures safe dissipation of potential electrostatic discharge, bringing it back to proper earth ground.
- **Conductive Hoses** – Carbon infused hoses maintain static transfer without coatings that can wear.

**PNEUMATIC  
POWERHEAD  
ASSEMBLY**



**COALESCING FILTER  
STAGE 4**



**MESH FILTER  
STAGE 3**



**CONE WITH CAGE  
MIST TRAP**



**CONDUCTIVE  
RECOVERY BAG  
STAGE 1 (PACK OF 3)**



**INDUSTRIAL  
CART**



**IMMERSION  
CHAMBER  
STAGE 2**

Model No.	Dust Recovery	Air Inlet Pressure PSIG (Bar)	Air Consumption	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61496	3 lbs (1.36 kg)	90 (6.2)	35-45 (1,274)*	110" / 280 cm / 274 mbar	110 CFM (3,114 L/Min)	68 dB(A)	75 Lb (34 kg)	34" (864 mm)	18" (457 mm)	19" (483 mm)	Yes
61496V							71 Lb (32 kg)				-

# PNEUMATIC DIVISION 1, SINGLE OPERATOR (WET COLLECTION)

CLASS II, DIVISION 1 LOCATION - CERTIFIED

For collecting metallic dust & debris such as aluminum and commercial alloys. Collects and renders inert up to a maximum of 3 lbs. (1.36 kg) of dust.

## INCLUDES:

- One 20' (6 m) Conductive Coaxial Hoses with Integrated Air Line
- Conductive Collection Bag
- HEPA H14 Filter with 99.995% efficiency on 0.3 micron
- 1/2" x 25' Conductive Air Line

## TOOL/HOSE HANGERS

ELIMINATES ON FLOOR TRIPPING HAZARDS

## PNEUMATIC TOOL AIR SUPPLY MANIFOLD

PROVIDES PLUG N' PLAY FUEL TO TOOL

## TOOL/VENTURI REGULATOR

ENSURES BALANCED AIRFLOW

## EXPLOSION PROOF PNEUMATIC VENTURI

SUPPORTS CLASS II, DIVISION 1 LOCATION-CERTIFIED

## CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CLASS II, DIVISION 1 LOCATION-CERTIFIED

## LIQUID LEVEL SIGHT

ENSURES PROPER OPERATING LEVELS

## IMMERSION CHAMBER

RENDERS HAZARDOUS DUST INERT

## KIDNEY BAG COLLECTION

UP TO 3 LBS OF RECOVERED DUST

## CERTIFICATIONS:

Designed for use in:

Class I, Division 1, 2 Groups A, B, C & D

Class II, Division 1, 2 Groups E, F & G

Temperature Rating T6

\*Hazardous Locations as defined by NFPA Standards

**HEPA filter** 2 YEAR WARRANTY



# ELECTRIC DIVISION 1 GENERAL PURPOSE (WET COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

Eliminating the nuisance of everyday dust while creating an efficient and safe Div 1 work environment starts with Dynabrade's explosion-proof immersion systems. This electric powerhead combined with an Immersion bath (Renders dust inert), provides the safest solution for General Purpose cleanup, eliminating any potential source of ignition as a component for the opportunity of a dust explosion.

### HOSE HANGERS

ELIMINATES ON FLOOR  
TRIPPING HAZARDS

### CAM-LOCK HOSE INLET

SECURES VACUUM HOSE TO SYSTEM



\*Conductive cleaning kit included - 96810

### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Group D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T3C

*\*Hazardous Locations as defined by NFPA Standards*



### INDUSTRIAL CART HEAVY-DUTY COMPACT CART

### CERTIFIED EXPLOSION PROOF MOTOR

### CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CLASS II, DIVISION 1  
LOCATION-CERTIFIED

HEPA  
FILTERED

### CONDUCTIVE HOSE ASSEMBLY

### CONDUCTIVE CLEANING KIT STATIC DISSIPATING

Model No.	Voltage/ Frequency	Capacity	AMP	Power	Dust Recovery	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hose
61493	120 V / 60 Hz	1 Gallon (3.8 Liter)	12A	1,000 W	3 lbs (1.36 kg)	69" / 175 cm / 172 mbar	132 CFM (3,738 L/Min)	75/85 dB(A)	75 Lb (34 kg)	34" (864 mm)	18" (457 mm)	19" (483 mm)	Yes

# PNEUMATIC DIVISION 1 GENERAL PURPOSE (WET COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

This Div 1 pneumatic model provides a solution for safe General Purpose cleanup when the applicable air volume is available. This certified venturi-based system combined with an Immersion bath (renders dust inert), provides a robust component free design which will allow for years of production without service, while eliminating any potential source of ignition as a component for the opportunity of a dust explosion.

**INDUSTRIAL CART**  
HEAVY-DUTY COMPACT CART

**CERTIFIED EXPLOSION  
PROOF POWERHEAD**

**CONDUCTIVE VACUUM  
ASSEMBLY**

SUPPORTS CLASS II, DIVISION 1  
LOCATION-CERTIFIED

**HOSE HANGERS**

ELIMINATES ON FLOOR  
TRIPPING HAZARDS

**CAM-LOCK HOSE INLET**

SECURES VACUUM HOSE TO SYSTEM

**CONDUCTIVE HOSE  
ASSEMBLY**

**CONDUCTIVE CLEANING KIT**  
STATIC DISSIPATING

\*Conductive cleaning kit included - 96810

### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Groups A, B, C & D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T6

\*Hazardous Locations as defined by NFPA Standards

**HEPA filter** 2 YEAR WARRANTY



Model No.	Dust Recovery	Capacity	Air Inlet Pressure PSIG (Bar)	Air Consumption	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61494	3 lbs (1.36 kg)	1 Gallon (3.8 Liter)	90 (6.2)	35-45 (1,274)*	110" / 280 cm / 274 mbar	110 CFM (3,114 L/Min)	68 dB(A)	75 Lb (34 kg)	34" (864 mm)	18" (457 mm)	19" (483 mm)	Yes

# DIVISION 1

## LARGE IMMERSION SEPARATOR

### CLASS II, DIVISION 1 LOCATION – CERTIFIED

When production demand requires high volume capture, Large Immersion Separators are the perfect answer to meeting the NFPA safety requirements for the collection of aluminum, titanium, magnesium and other metal dusts. Dynabrade Raptor Vac® systems are designed for the recovery of metallic, conductive, and explosive dusts, in a liquid immersion bath of oil or water which instantly renders the hazardous dust inert. All Dynabrade large immersion separators are certified by third party testing labs, ensuring compliance with all NFPA's latest approved standards and associated requirements.

#### Electric and Pneumatic Vaccums Include:

- Two 20' (6 m) Conductive Coaxial Hoses with Integrated Air Lines
- Two Mega Flow Couplers
- Two Vacuum Hose Adapters
- HEPA H14 - Ultra-fine filter capturing 99.995% of dust .3 micron and larger.

#### Features:

Legally certified explosion proof / dust ignition proof by an OSHA approved Nationally Recognized Testing Laboratory (NRTL).  
Optional degassing vent (when used with water) allows gas to be evacuated automatically from the unit. These vacuums and optional general purpose cleaning kits are static-dissipating and conductive.

### QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.

<b>Al</b> Aluminum	<b>St</b> Stainless Steel	<b>Cs</b> Carbon Steel	<b>Ti</b> Titanium	<b>Mg</b> Magnesium
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	FEATURE	BENEFIT
1	CONDUCTIVE VACUUM HOSES	Ensures proper electrostatic transfer.
2	INDUSTRIAL CART	Heavy-duty compact cart.
3	CERTIFIED EXPLOSION PROOF MOTOR HEAD	Supports Class II, Division 1 Location-Certified.
4	MIST-TRAP CHAMBER	Retains liquid to internal chamber.
5	COALESCING FILTER	Ensures Clean Air exhaust.
6	TOOL/HOSE HANGERS	Eliminates on floor tripping hazards.
7	CONDUCTIVE VACUUM ASSEMBLY	Supports Class II, Division 1 Location-Certified.
8	IMMERSION CHAMBER	Renders hazardous dust inert.

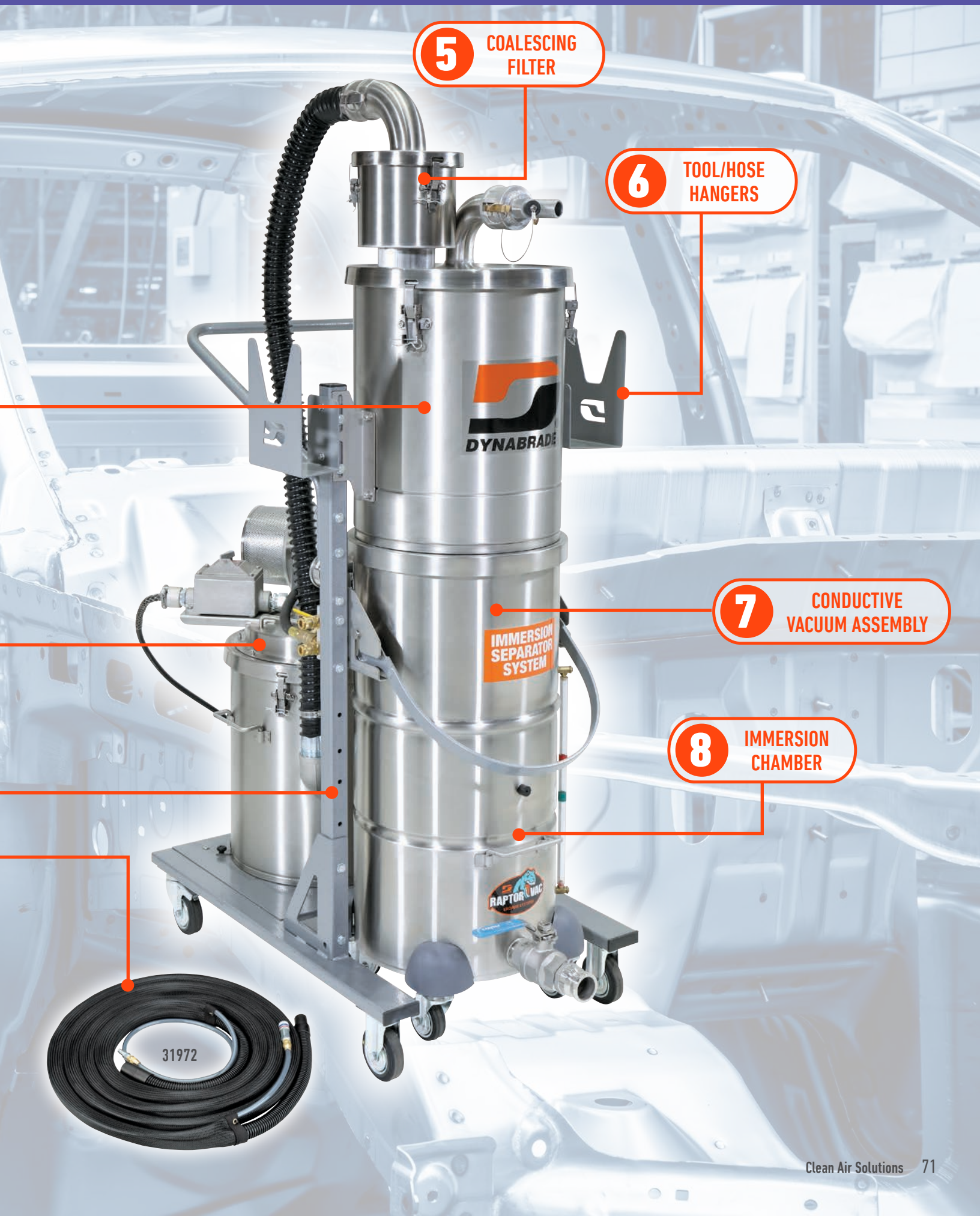
**4** MIST-TRAP CHAMBER

**3** CERTIFIED EXPLOSION PROOF MOTOR HEAD

**2** INDUSTRIAL CART

**1** CONDUCTIVE VACUUM HOSES





**5**

**COALESCING  
FILTER**

**6**

**TOOL/HOSE  
HANGERS**

**7**

**CONDUCTIVE  
VACUUM ASSEMBLY**

**8**

**IMMERSION  
CHAMBER**

31972

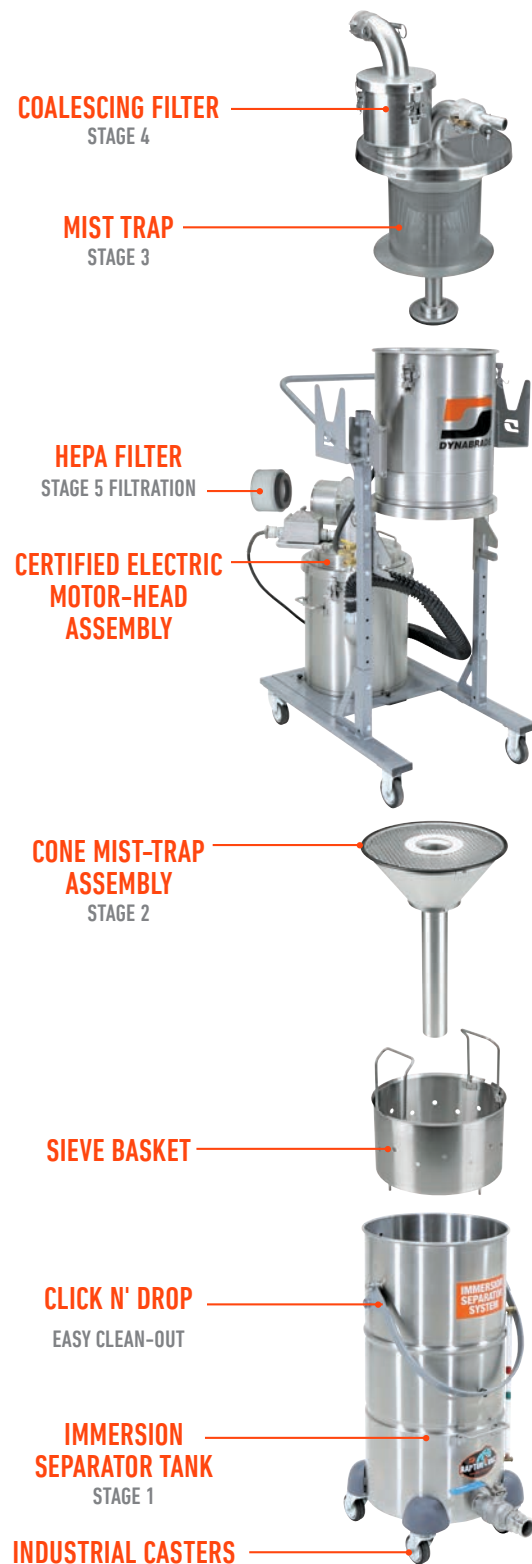
# ELECTRIC DIVISION 1, DUAL OPERATOR (WET COLLECTION) CLASS II, DIVISION 1 LOCATION – CERTIFIED

## Electric Portable Vacuum with Division 1 Immersion Separator

For use on metallic surfaces such as aluminum, magnesium, titanium, commercial alloys. Legally certified as explosion-proof and dust ignition-proof. Utilized for the recovery of metallic, conductive and explosive dusts, into a liquid immersion bath such as water, paraffin oil or mineral oil. Renders hazardous dusts inert. Recovery capacity of 20 lbs (9 kg) of dust into 7.9 gallons (30 liters) of neutralizing liquid. Includes HEPA H14 Filter with 99.995% efficiency on 0.3 micron. Filter is located downstream of the motor.

### STAGES OF FILTRATION

- Certified Electric Motor-Head
- Stage 5, HEPA 14 Filtration – Ultra-fine filter capturing 99.995% of dust .3 micron and larger.
- Stage 4, Coalescing Filtration – Ensures Clean Air exhaust.
- Stage 3, Mist Trap/Filter – Protects Stage 4 HEPA filter.
- Stage 2, Mist Trap/Filter – Protects Stage 4 HEPA filter.
- Stage 1, Immersion Bath – Instantly Renders hazardous dust inert.



Model No.	Voltage/ Frequency	Capacity	AMP	Power	Dust Recovery	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61461	120 V / 60 Hz	7.9 Gallon (30 Liter)	12A	1,000 W	20 lbs (9 kg)	89" / 175 cm / 172 mbar	132 CFM (3,738 L/Min)	75 dBA	220 Lb (98 kg)	72" (1,829 mm)	60" (1,524 mm)	36" (914 mm)	Yes
61461V									212 Lb (96 kg)				-

# ELECTRIC DIVISION 1, DUAL OPERATOR (WET COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

For safe recovery of combustible-conductive dusts. Renders hazardous dusts inert using mineral oil as neutralizing liquid. Stainless steel recovery tank (SAE 304). Easy one-click detaching and connecting of tank. Unit is static-dissipating and conductive. Aerosol leak tested for quality assurance. Equipped with easy-glide cart.

### INCLUDES:

- Two 20' (6 m) Conductive Coaxial Hoses with Integrated Air Lines
- Y-Connector

### MANIFOLD

PROVIDES PROPER AIR SUPPLY TO SUPPORT TWO TOOLS WORKING SIMULTANEOUSLY

**ONE-CLICK  
LEVER RELEASE**  
EASY ACCESS FOR  
MATERIAL REMOVAL

### COALESCING FILTER

ENSURES DRY CLEAN  
AIR EXHAUST

### Y-CONNECTOR

SUPPORTS 2 OPERATORS

### TOOL/HOSE HANGERS

ELIMINATES ON FLOOR  
TRIPPING HAZARDS

### CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CLASS II,  
DIVISION 1 LOCATION-CERTIFIED

### LIQUID LEVEL SIGHT

INDICATES 20 LB  
LEVEL REACHED

### DRAIN PORT

EASE OF LIQUID  
CHANGE-OUT

**20' VACUUM  
HOSE ASSEMBLY**  
WITH INTEGRATED AIR LINE



### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Groups D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T3C



2 YEAR  
WARRANTY



\*Hazardous Locations as defined by NFPA Standards

**PNEUMATIC DIVISION 1,  
DUAL OPERATOR (WET COLLECTION)**  
CLASS II, DIVISION 1 LOCATION – CERTIFIED

**Pneumatic Portable Vacuum with Division 1 Immersion Separator**

For use on metallic surfaces such as aluminum, magnesium, titanium, commercial alloys. Legally certified as explosion-proof and dust ignition-proof. Utilized for the recovery of metallic, conductive and explosive dusts, into a liquid immersion bath such as water, paraffin oil or mineral oil. Renders hazardous dusts inert. Recovery capacity of 20 lbs (9 kg) of dust into 7.9 gallons (30 liters) of neutralizing liquid. Includes HEPA H14 Filter with 99.995% efficiency on 0.3 micron. Filter is located downstream of the venturi.

- Certified Pneumatic Powerhead/Venturi
- Stage 5, HEPA 14 Filtration – Ultra-fine filter capturing 99.995% of dust .3 micron and larger.
- Stage 4, Coalescing Filtration – Ensures Clean Air exhaust.
- Stage 3, Mist Trap/Filter – Protects Stage 4 HEPA filter.
- Stage 2, Mist Trap/Filter – Protects Stage 4 HEPA filter.
- Stage 1, Immersion Bath – Instantly Renders hazardous dust inert.



Model No.	Dust Recovery	Capacity	Air Inlet Pressure PSIG (Bar)	Air Consumption	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61463	20 lbs (9 kg)	7.9 Gallon (30 Liters)	90 (6.2)	35-45 CFM (1,274 L/Min)	180" / 457 cm / 448 mbar	110 CFM (3,114 L/Min)	75 dB(A)	130 Lb (59 kg)	72" (1,829 mm)	34" (864 mm)	36" (914 mm)	Yes
61463V								122 Lb (55 kg)				-

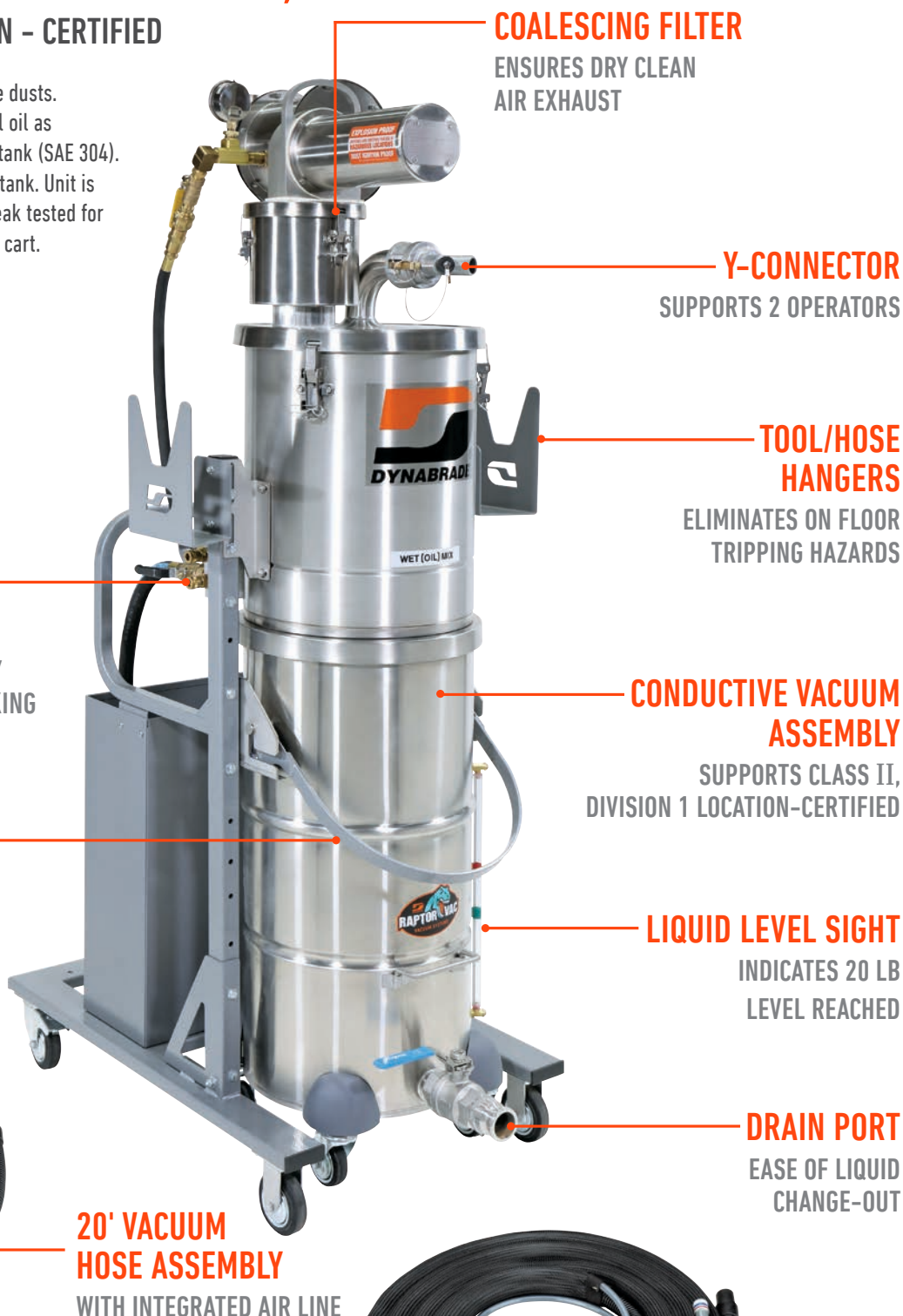
# PNEUMATIC DIVISION 1, DUAL OPERATOR (WET COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

For safe recovery of combustible-conductive dusts. Renders hazardous dusts inert using mineral oil as neutralizing liquid. Stainless steel recovery tank (SAE 304). Easy one-click detaching and connecting of tank. Unit is static-dissipating and conductive. Aerosol leak tested for quality assurance. Equipped with easy-glide cart.

### INCLUDES:

- Two 20' (6 m) Conductive Coaxial Hoses with Integrated Air Lines
- Y-Connector
- Multimeter
- 3/4" x 25' Conductive Air Line



### COALESCING FILTER

ENSURES DRY CLEAN  
AIR EXHAUST

### Y-CONNECTOR

SUPPORTS 2 OPERATORS

### TOOL/HOSE HANGERS

ELIMINATES ON FLOOR  
TRIPPING HAZARDS

### MANIFOLD

PROVIDES PROPER AIR SUPPLY  
TO SUPPORT TWO TOOLS WORKING  
SIMULTANEOUSLY

### CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CLASS II,  
DIVISION 1 LOCATION-CERTIFIED

### ONE-CLICK LEVER RELEASE

EASY ACCESS FOR  
MATERIAL REMOVAL

### LIQUID LEVEL SIGHT

INDICATES 20 LB  
LEVEL REACHED

### DRAIN PORT

EASE OF LIQUID  
CHANGE-OUT

### 20' VACUUM HOSE ASSEMBLY WITH INTEGRATED AIR LINE

### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Groups A, B, C & D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T6

**HEPA** filter **2 YEAR**  
WARRANTY



\*Hazardous Locations as defined by NFPA Standards

# ELECTRIC DIVISION 1 GENERAL PURPOSE (WET COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

Eliminating the nuisance of high volume production dust while creating an efficient and safe Div 1 work environment starts with Dynabrade's explosion-proof immersion systems. This electric powerhead combined with an Immersion bath (Renders dust inert), provides the safest solution for General Purpose cleanup, eliminating any potential source of ignition as a component for the opportunity of a dust explosion.

### MANIFOLD

PROVIDES PROPER AIR SUPPLY TO SUPPORT TWO TOOLS WORKING SIMULTANEOUSLY

### ONE-CLICK LEVER RELEASE

EASY ACCESS FOR MATERIAL REMOVAL



\*Conductive cleaning kit included - 96608

### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Group D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T3C



*\*Hazardous Locations as defined by NFPA Standards*

Model No.	Voltage/ Frequency	Capacity	AMP	Power	Dust Recovery	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61487	120 V / 60 Hz	7.9 Gallon (30 Liter)	12A	1,000 W	20 lbs (9 kg)	89" / 175 cm / 172 mbar	132 CFM (3,738 L/Min)	75 dBA	220 Lb (98 kg)	63" (1,600 mm)	24" (610 mm)	42" (1,067 mm)	Yes

COALESCING FILTER  
ENSURES DRY CLEAN  
AIR EXHAUST

VACUUM INLET  
GP CLEAN-UP

TOOL/HOSE  
HANGERS  
ELIMINATES ON FLOOR  
TRIPPING HAZARDS

CONDUCTIVE VACUUM  
ASSEMBLY  
SUPPORTS CLASS II,  
DIVISION 1 LOCATION-CERTIFIED

LIQUID LEVEL SIGHT  
INDICATES 20 LB  
LEVEL REACHED

DRAIN PORT  
EASE OF LIQUID  
CHANGE-OUT

CONDUCTIVE CLEANING KIT  
STATIC DISSIPATING

# PNEUMATIC DIVISION 1 GENERAL PURPOSE (WET COLLECTION)

## CLASS II, DIVISION 1 LOCATION - CERTIFIED

This Div 1 pneumatic model provides a solution for safe General Purpose cleanup when the applicable air volume is available. This certified venturi-based system combined with an Immersion bath (renders dust inert), provides a robust component free design which will allow for years of production without service, while eliminating any potential source of ignition as a component for the opportunity of a dust explosion.

### MANIFOLD

PROVIDES PROPER AIR SUPPLY TO SUPPORT TWO TOOLS WORKING SIMULTANEOUSLY

### ONE-CLICK LEVER RELEASE

EASY ACCESS FOR MATERIAL REMOVAL

### COALESCING FILTER

ENSURES DRY CLEAN AIR EXHAUST

### VACUUM INLET

GP CLEAN-UP

### TOOL/HOSE HANGERS

ELIMINATES ON FLOOR TRIPPING HAZARDS

### CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CLASS II, DIVISION 1 LOCATION-CERTIFIED

### LIQUID LEVEL SIGHT

INDICATES 20 LB LEVEL REACHED

### DRAIN PORT

EASE OF LIQUID CHANGE-OUT

### CONDUCTIVE CLEANING KIT

STATIC DISSIPATING



\*Conductive cleaning kit included - 96608

#### CERTIFICATIONS:

Designed for use in:  
Class I, Division 1, 2 Groups A, B, C & D  
Class II, Division 1, 2 Groups E, F & G  
Temperature Rating T6

**HEPA filter** 2 YEAR WARRANTY



\*Hazardous Locations as defined by NFPA Standards

Model No.	Dust Recovery	Capacity	Air Inlet Pressure PSIG (Bar)	Air Consumption	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61488	20 lbs (9 kg)	7.9 Gallon (30 Liters)	90 (6.2)	35-45 (1,274)*	180" / 457 cm / 448 mbar	110 CFM (3,114 L/Min)	75 dB(A)	130 Lb (600 kg)	72" (1,829 mm)	24" (610 mm)	42" (1,067 mm)	Yes

# DIVISION 1 VACUUM ACCESSORIES

BUILD THE SYSTEM TO MEET YOUR NEEDS



## CONDUCTIVE CLEANING KIT

96608

- Kit Includes:  
Vacuum Hose (62734) - 10' (3 m) length,  
Curved handle with extension, Round Brush,  
Crevice tool & curved crevice tool,  
Large coarse nozzle, Multimeter



## CURVED HANDLE EXTENSIONS

62732

- Set of 2



## CREVICE TOOL

62733

- Spark-free/conductive



## MAIN CLOTH FILTER ASSEMBLY

62668

- Pre-filter for use with  
61450, 61465 and 61461



## CONDUCTIVE CLEANING KIT

96810

- Kit Includes:  
Vacuum Hose (61999) - 10' (3 m) length,  
Curved handle with extension, Round Brush,  
Crevice tool & curved crevice tool,  
Large coarse nozzle, Multimeter



## ROUND BRUSH

62730

- Spark-free/conductive



## LARGE COARSE NOZZLE

62573

- Spark-free/conductive



## RECOVERY BAG

61909

- Conductive recovery bag  
for use with 61495 and  
61496 (3-pack)



## MULTIMETER

62591



## CONICAL NOSE ASSEMBLY

62736



## VACUUM HOSE ASSEMBLY

62734 - 10' length, 2" Cam Lock

61999 - 10' length, 1-1/2" Cam Lock



## WALL-MOUNT & BACKPACK CLEANING KIT

62831: Vacuum Hose - 20' (6 m) length

62832: Vacuum Hose - 8' (2.5 m) length  
available upon request

- Both Kits Include:  
1-1/4" to 1-1/2" hose cuff expander,  
1-1/2" hose cuff coupler,  
Stainless steel male connect,  
Round brush, Crevice tool, Small flat tool,  
Extension wand (set of 2), Large floor tool



## EXTENSION WAND

62823

- Stainless Steel, Set of 2



## ROUND BRUSH

62727

- Conductive
- 1-1/4" (32 mm)



## LARGE COARSE NOZZLE

62824

- Conductive, Flat Tool
- 1-1/4" (32 mm)



## SMALL COARSE NOZZLE

62822

- Conductive, Flat Tool
- 1-1/4" (32 mm)



## HOSE CUFFS

62819 1-1/4" (32 mm)

62781 1-1/4" (32 mm)  
to 1-1/2" (38 mm)



## CREVICE TOOL

62821

- Conductive,  
1-1/4" (32 mm)



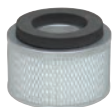
## STAINLESS STEEL MALE CONNECT

62820

- 1-1/4" (32 mm)

# DIVISION 1 VACUUM ACCESSORIES

BUILD THE SYSTEM TO MEET YOUR NEEDS



## HEPA FILTER/EXHAUST

62585

- For use with 61450, 61465, 61461 and 61463



## HEPA FILTER

61907

- For use with Raptor Vac® Compact Immersion 61495 and 61496



## COALESCING FILTER

62681

- HEPA 14



## MESH FILTER

62965

- Mist Trap



## CONDUCTIVE POLY LINER

62635

- 5-Pack



## 1" ERGONOMIC VACUUM HOSE ASSEMBLY

31990

- 20' (6 m) length conductive vacuum hose with integrated air line.
- Mesh protective over-hose



## 3/4" X 25' AIR SUPPLY HOSE

62449

- For use with 61450, 61465, 61461 and 61463
- Grounded air line for use with Raptor Vac® 61495 and 61496

## DUST EXTRACTION ARMS:

### 8" HOOD - ROUND

62840 - For Models 61450 & 61465

62843 - For Models 61461 & 61463

- Aluminum Hood



### 9" X 13" HOOD - RECTANGULAR

62842 - For Models 61450 & 61465

62845 - For Models 61461 & 61463

- Polycarbonate Hood



### 15" HOOD - ROUND

62841 - For Models 61450 & 61465

62844 - For Models 61461 & 61463

- Polycarbonate Hood



## VACUUM ACCESSORIES

PNEUMATIC WALL-MOUNT & BACKPACK MODELS 61470 & 61472



## HEPA FILTER/EXHAUST

62415

- HEPA 14



## COLLECTION BAG

62787

- 3-Pack



## PRE-FILTER ASSEMBLY

62778

- Cloth filter



## 1/2" X 25' AIR SUPPLY HOSE

62587

- Conductive





Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

## VACUUM/TOOL CONNECTION GUIDE

REFERENCE COLOR CODED KEY THROUGHOUT SECTION

See sample below which indicates our NEW color coded system for clearly identifying your vacuum hose and cuff needs. This system will define the proper connection points for both your tool and vacuum inlet ports.

- Smooth bore connections are defined by size through color alone.
- Threaded connections are defined by color and thread icon.

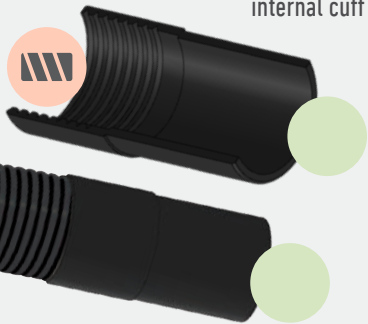


Section view represents internal cuff



Represents 1-1/4" Smooth Bore Connection

Section view represents internal cuff



Represents 1-1/4" Smooth Bore Connection

31921  
1" Conductive Vacuum Hose

PAGE SETUP & CATALOG NAVIGATION

VACUUM TOOLS



### VACUUM TOOLS



**3/16" (5 MM) DIA. ORBIT**  
General Sanding  
Teal Throttle Lever



**3/32" (2.5 MM) DIA. ORBIT**  
Ultra-Fine Sanding  
Black Throttle Lever

**DYNORBITAL® EXTREME VACUUM**

- Power and ergonomics for high-production settings.
- Newly designed backing pad achieves greatest dust capture rate.



X51V

X61V

**1 Vacuum/Tool Connection KEY**

Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
Swivel Cuff	-	

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Cuff
X31V	3" (76 mm)	3/16" (5 mm)	12,000	.1 hp (75 W)	8 SCFM (227 LPM)	Hook-Face	1.23 lb (56 kg)	7.1" (181 mm)	3.1" (78 mm)	
X32V		3/32" (2.5 mm)		Hook-Face		1.94 lb (89 kg)	9.1" (230 mm)	3.7" (95 mm)		
X51V	5" (127 mm)	3/16" (5 mm)	12,000	.3 hp (224 W)	19 SCFM (538 LPM)	Hook-Face	1.86 lb (84 kg)	9.5" (242 mm)	3.7" (95 mm)	
X51VHS		Hook-Face w/Speed Regulator		2.02 lb (92 kg)						
X52V	5" (127 mm)	3/32" (2.5 mm)	12,000	.3 hp (224 W)	19 SCFM (538 LPM)	Hook-Face	1.86 lb (84 kg)	9.5" (242 mm)	3.7" (95 mm)	
X52VHS		Hook-Face w/Speed Regulator		2.02 lb (92 kg)						
X61V	6" (152 mm)	3/16" (5 mm)	12,000	.3 hp (224 W)	19 SCFM (538 LPM)	Hook-Face	1.86 lb (84 kg)	9.5" (242 mm)	3.7" (95 mm)	
X61VHS		Hook-Face w/Speed Regulator		2.02 lb (92 kg)						
X62V	6" (152 mm)	3/32" (2.5 mm)	12,000	.3 hp (224 W)	19 SCFM (538 LPM)	Hook-Face	1.98 lb (90 kg)	9.5" (242 mm)	3.7" (95 mm)	
X62VHS		Hook-Face w/Speed Regulator		2.02 lb (92 kg)						

- 7** INSIDE CUFF DIAMETER (I.D.) COLUMN - Depicts smooth bore or threaded connection with dimensional representation.

**8** INSIDE CUFF DIAMETER (I.D.) COLUMN - Depicts smooth bore or threaded connection with dimensional representation.

**9** CUFF PART NUMBER - Represents proper Dynabrade part number for ordering.

**10** VACUUM TOOL CONNECTION CALL-OUT - Indicates vacuum tool connection requirements.

PAGE GUIDE

- 1** VACUUM/TOOL CONNECTION KEY - Easily determine proper cuff to vacuum hose and tool connection.

**2** DIMENSION COLUMN - Indicates dimensional connection.

**3** COLOR CODE INDICATOR - Depicts smooth bore or threaded connection with dimensional representation.

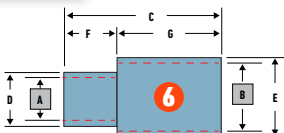
**4** THREAD ICON - Indicates threaded connection.

**5** SWIVEL ICON - Indicates swivel feature.

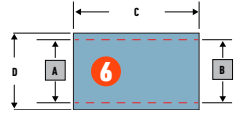
**6** DIMENSIONED CUFF DIAGRAM - Provides full detailed dimensions for utilizing a single cuff or pairing cuffs together to transition between vacuum hose diameters.

ACTIVE VACUUM HOSE CUFFS  
IONS TO MATCH VARIOUS SYSTEMS

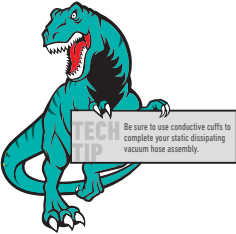
Looking to pair one of Dynabrade's 150+ vacuum tools to one of our portable systems or to a facilities already existing Central Vac System, we have a variety of the right connection. Drawing dangerous static electricity away from the operator off to tool connection. This conductive cuff offering is designed with a carbon help guide this static away from the operator. From the cuff this static build up ay through the conductive vacuum hose and back to the grounded vacuum will have a connection to the facilities earth ground established from the electric vacuums) or grounded airline (Pneumatic Vacuums).



Part No.	Swivel	A	A - Side	B	B - Side	C	D	E	F	G
31900	N/A	1.00"	1.00"	1.00"	1.00"	2.63"	1.25"	1.45"	1.25"	1.38"
31901		1.00"	1.25"	1.25"	1.58"	3.50"	1.58"	2.13"	1.50"	2.00"
31902		1.00"	1.25"	1.25"	1.50"	3.50"	1.50"	1.80"	1.50"	2.00"
31904		1.25"	1.25"	1.25"	1.44"	1.44"	1.80"	1.44"	2.06"	
31907	5	1.00"	1.25"	1.25"	1.38"	1.38"	1.80"	1.50"	2.38"	
31908	N/A	0.75"	0.75"	1.50"	1.50"	2.00"	0.88"	1.17"	0.75"	1.25"
31914	5	1.25"	1.50"	1.50"	1.75"	3.75"	1.75"	2.13"	1.88"	1.88"
31916	5	1.00"	1.25"	1.25"	1.38"	1.38"	1.80"	1.50"	2.38"	
31959	5	1.25"	1.25"	1.25"	1.50"	4.00"	1.80"	1.90"	1.50"	2.50"
62544	N/A	1.00"	1.50"	1.50"	1.50"	3.13"	1.80"	1.19"	1.94"	
E11659	N/A	1.25"	1.25"	1.25"	1.25"	4.00"	1.63"	2.00"	2.00"	



Part No.	Swivel	H	H - Side	J	J - Side	K	L
31906	N/A	1.25"	1.00"	1.00"	1.00"	2.00"	1.50"
31909		1.25"	1.00"	1.00"	1.00"	2.88"	1.50"
31915		2.00"	1.50"	1.50"	1.50"	4.00"	1.50"
77180		1.00"	0.75"	0.75"	0.75"	2.31"	1.25"
31992	N/A	1.00"	0.75"	0.75"	0.75"	2.88"	1.50"
E8668	N/A	1.50"	1.25"	1.25"	1.25"	3.75"	1.50"









## CONDUCTIVE VACUUM HOSES

### UTILIZED FOR THE TRANSFER OF STATIC ELECTRICITY

- Shields operator from Electrostatic Discharge (E.S.D.); safely driving it to earth ground.
- Conductive hoses are carbon impregnated and have no wearable coating. They provide permanent protection for the life of the hose.

Vacuum/Tool Connection KEY			
Hose Diameter / Length	Size	Color Code	Part No.
3/4" (specify length)	3/4"		31925
1" (specify length)	1"		31921
1-1/4" (specify length)	1-1/4"		31920
1-1/2" (specify length)	1-1/2"		31923



— 3/4" Conductive Vacuum Hose.



— 1" Conductive Vacuum Hose.



— 1-1/4" Conductive Vacuum Hose.



— 1-1/2" Conductive Vacuum Hose.

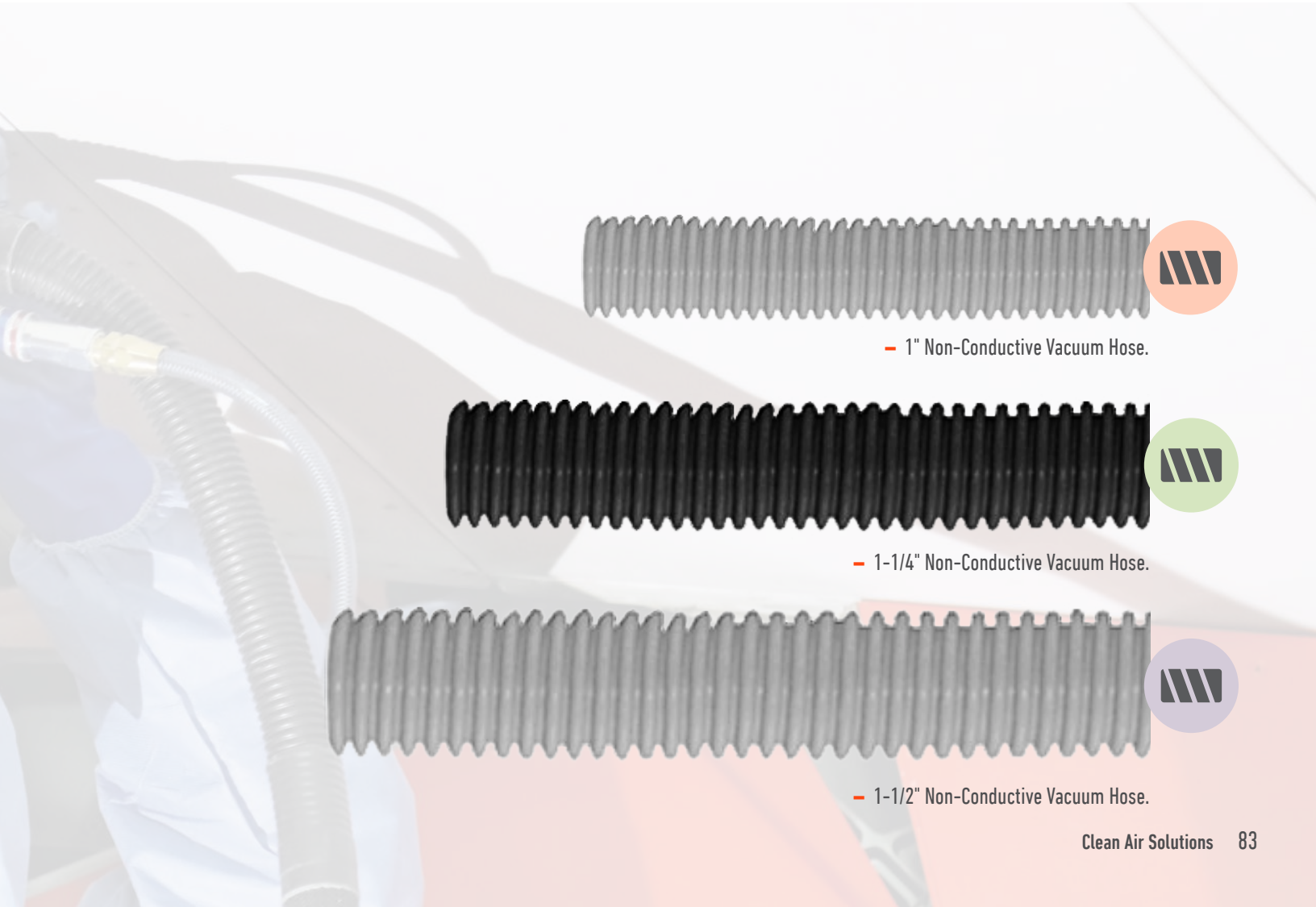


# NON-CONDUCTIVE VACUUM HOSES

## UTILIZED IN LOW STATIC CONDITIONS

- Non-conductive vacuum hoses can be used in facilities where static buildup is not present through material process.
- Used in areas where a conductive path has already been developed through a different source/path.

Vacuum/Tool Connection KEY			
Hose Diameter / Length	Size	Color Code	Part No.
1" (specify length)	1"		95395
1-1/4" (specify length)	1-1/4"		54205
1-1/2" (specify length)	1-1/2"		95847



- 1" Non-Conductive Vacuum Hose.



- 1-1/4" Non-Conductive Vacuum Hose.

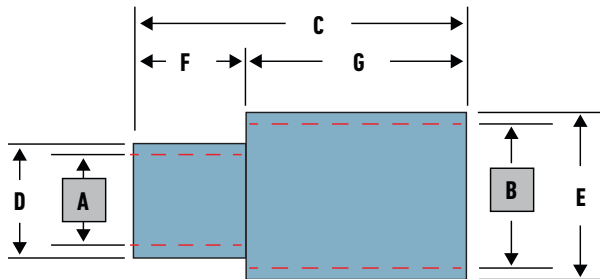


- 1-1/2" Non-Conductive Vacuum Hose.

# CONDUCTIVE VACUUM HOSE CUFFS

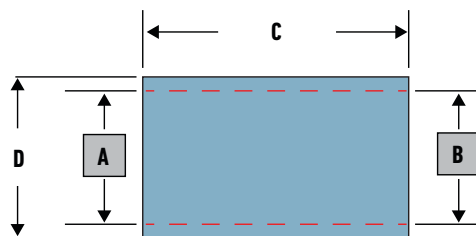
## CONFIGURATIONS TO MATCH VARIOUS SYSTEMS

- Whether you're looking to pair one of Dynabrade's 150+ vacuum tools to one of our portable Raptor Vac® Systems or to a facilities already existing Central Vac System, we have a variety of cuffs to make the right connection. Drawing dangerous static electricity away from the operator starts at the cuff to tool connection. This conductive cuff offering is designed with a carbon component to help guide this static away from the operator. From the cuff this static build up will work its way through the conductive vacuum hose and back to the grounded vacuum canister which will have a connection to the facilities earth ground established from the power cord (Electric vacuums) or grounded airline (Pneumatic Vacuums).



Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

Part No.	Swivel	A	A - Side	B	B - Side	C	D	E	F	G
31900	N/A	1.00"		1.00"		2.63"	1.25"	1.45"	1.25"	1.38"
31901		1.00"		1.25"		3.50"	1.58"	2.13"	1.50"	2.00"
31902		1.00"		1.25"		3.50"	1.50"	1.80"	1.50"	2.00"
31904		1.25"		1.25"		3.50"	1.44"	1.80"	1.44"	2.06"
31907		1.00"		1.25"		3.88"	1.38"	1.80"	1.50"	2.38"
31908	N/A	0.75"		0.75"		2.00"	0.88"	1.17"	0.75"	1.25"
31914		1.25"		1.50"		3.75"	1.75"	2.13"	1.88"	1.88"
31916		1.00"		1.25"		3.88"	1.58"	1.80"	1.50"	2.38"
31959		1.25"		1.25"		4.00"	1.80"	1.90"	1.50"	2.50"
62564	N/A	1.00"		1.50"		3.13"	1.45"	1.80"	1.19"	1.94"
31993		1.25"		1.25"		4.00"	1.75"	1.63"	2.00"	2.00"

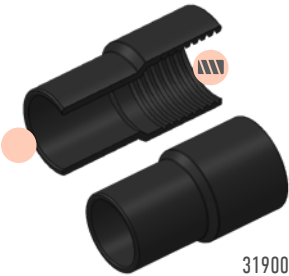


Part No.	Swivel	A	A - Side	B	B - Side	C	D
31906	N/A	N/A		1.00"		2.00"	1.50"
31909		1.25"		1.00"		2.88"	1.45"
31915		2.00"		1.50"		4.00"	2.25"
97179		1.00"		0.75"		2.31"	1.25"
97180		1.00"		0.75"		1.88"	1.25"
31992		1.00"		0.75"		2.88"	1.50"
31994		1.50"		1.25"		3.75"	1.50"



# HOSE CUFFS BY MODEL NUMBER

You can use multiple cuff configurations together to meet your final goal of vacuum hose assembly to dust collection system by using the New Dimensioned/Color Coded Chart to help determine an accurate smooth bore or threaded connection as needed to get your.



31900



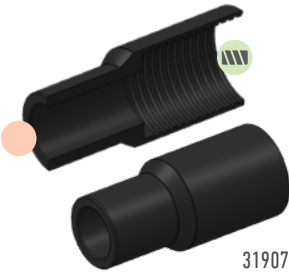
31901



31902



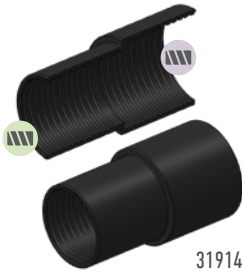
31904



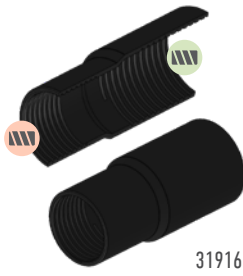
31907



31908



31914



31916



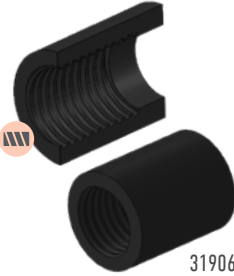
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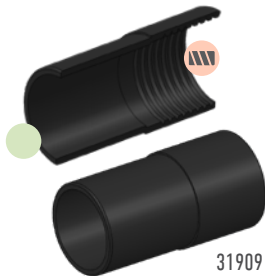
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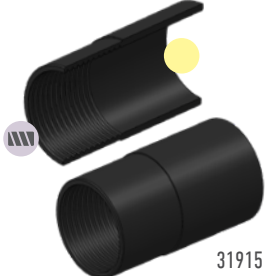
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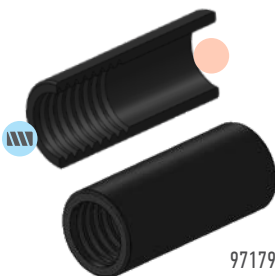
31906



31909



31915



97179



97180



31992

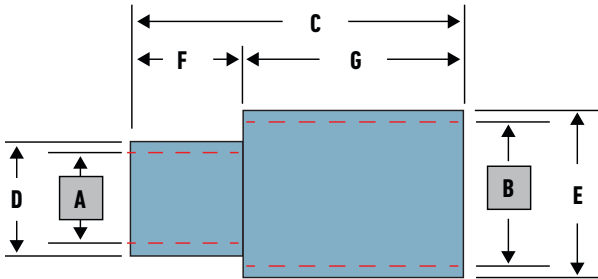


31994

# NON-CONDUCTIVE VACUUM HOSE CUFFS

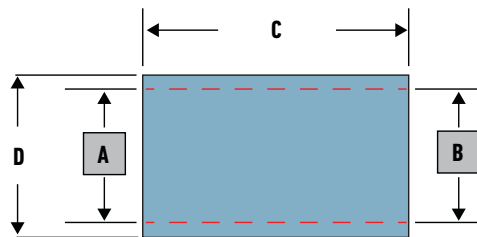
## CONFIGURATIONS TO MATCH VARIOUS SYSTEMS

- Whether you're looking to pair one of Dynabrade's 150+ vacuum tools to one of our portable Raptor Vac® Systems or to a facilities already existing Central Vac System, we have a variety of cuffs to make the right connection. Where static electricity does not render itself a concern or where a conductive path has already been developed through a different source, these non-conductive cuffs can be used to provide the proper connection. You can use multiple cuff configurations together to meet your final goal of vacuum hose assembly to dust collection system by using the New Dimensioned/Color Coded Chart to help determine an accurate smooth bore or threaded connection as needed to get your desired result.



Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	
Airline Access		AA

Part No.	Swivel	A	A - Side	B	B - Side	C	D	E	F	G
95396		1.00		1.00"		2.63"	1.16"	1.45	1.25	1.38
95601		0.75		0.75"		2.00"	0.88"	1.16	0.88	1.13
95698		2.00		2.00"		4.75"	2.25"	2.75	2.25	2.50
95699		1.25		1.50"		3.50"	1.50"	1.94	1.50	2.00
95700		1.25		2.00"		6.50"	1.50"	2.75	4.00	2.50
95800		1.25		1.25"		3.50"	1.43"	1.75	1.50	2.00
95894		1.00		1.25"		3.50"	1.50"	1.75	1.50	2.00
96004		1.25		1.25"		3.88"	1.38"	1.75	1.50	2.38
96006		1.00		1.25"		3.88"	1.44"	1.75	1.50	2.38
96102		1.25		1.50"		3.50"	1.50"	2.17	1.50	2.00
96103		1.00		1.50"		3.50"	1.50"	2.17	1.50	2.00
96104		1.00	AA	1.50"		3.50"	1.50"	2.17"	1.50	2.00
97051		2.00"		1.50"		4.08"	2.25"	2.0"	2.32"	1.75"



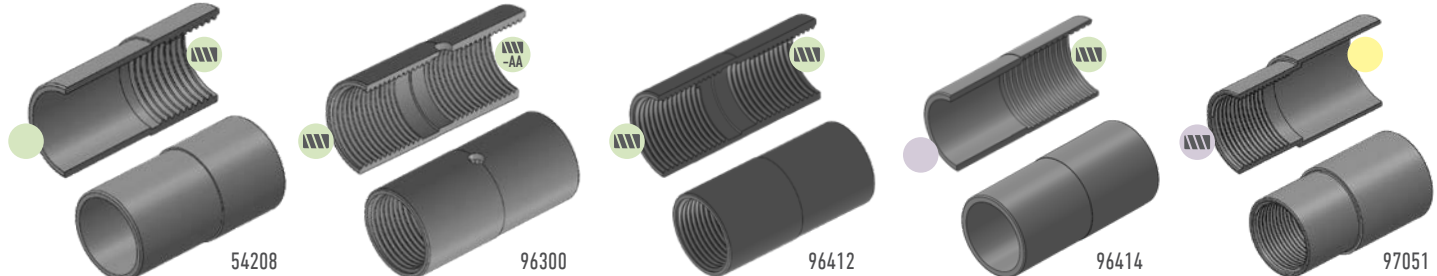
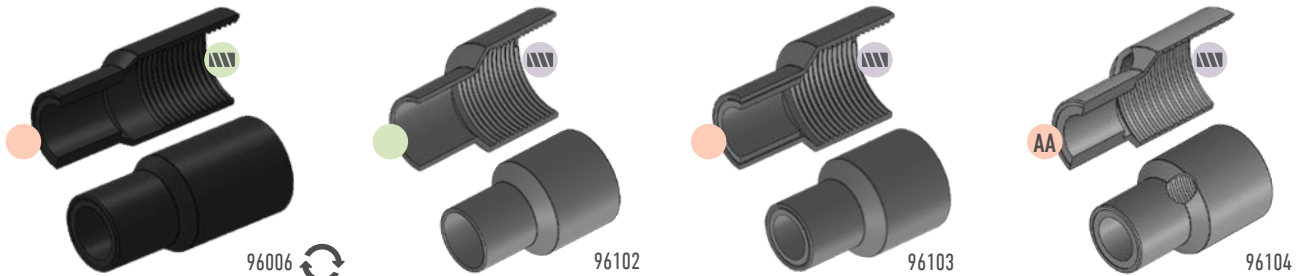
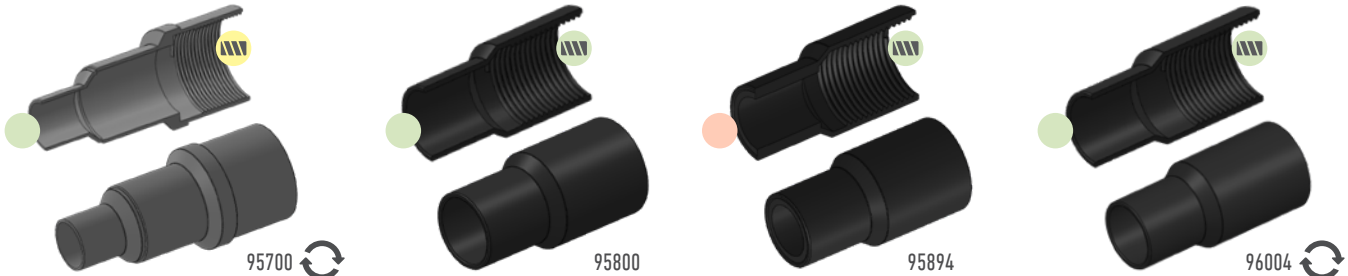
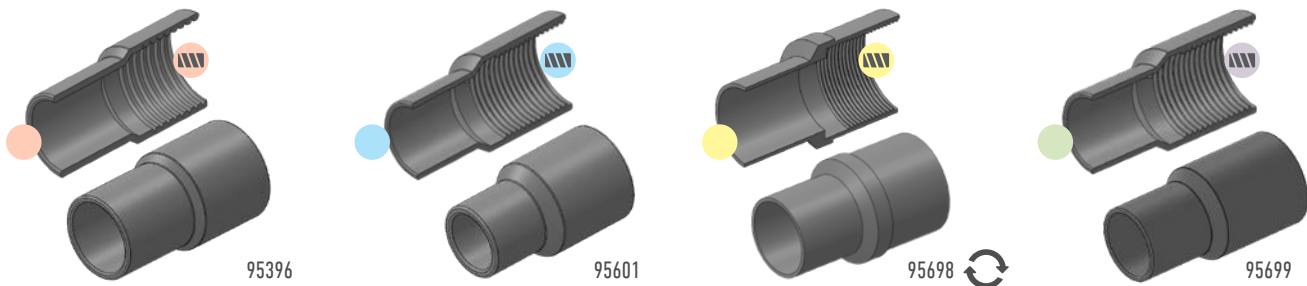
Part No.	Swivel	A	A - Side	B	B - Side	C	D
54208	N/A	1.25"		1.00"		2.88"	1.42"
96300		1.25"	- AA	1.25"		3.75"	1.80"
96412		1.25"		1.25"		3.75"	1.80"
96414		1.50"		1.25"		3.75"	1.75"

1" (25 MM)  
TOOL CONNECTION



1-1/4" Swivel Adapter

Part No.	Vacuum Cuff
96573	



## BELT TOOLS



40330



15002



52900

## ROBOTIC SANDERS



56854B



56819B



56830B



57404B



56863B



57814B



56819BK



57404BK



56830BK



57814BK

## EXTREME SANDERS



X31V



X51V



X51VHS

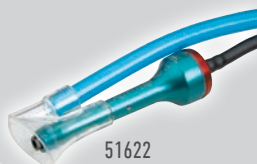


X52VHS



X62VHS

## PENCIL GRINDERS



51622



51623



51629



51630



51632



51633

## DIE GRINDERS

7° OFFSET



56723 / 56727 / 56739



56743 / 56747 / 56751  
56755 / 56759

STRAIGHT-LINE

RIGHT ANGLE



56715 / 56719

## E.S.D. SANDERS



X61ESD1

## DETAIL SANDERS



X51ESD



58017



49411

## D-BLOCK SERIES



22093



22092



22091



22090

150+

## E.S.D. SANDERS

## SANDERS



## DISC SANDERS



## ROUTERS



## DRILLS



## DIAMOND CUT-OFF WHEEL TOOLS



## VACUUM TOOLS



## VACUUM TOOLS

### RANDOM ORBITAL SANDERS



#### 3/16" (5 MM) DIA. ORBIT

General Sanding  
Teal Throttle Lever



#### 3/32" (2.5 MM) DIA. ORBIT

Ultra-Fine Sanding  
Black Throttle Lever



### DYNORBITAL® EXTREME VACUUM

- Power and ergonomics for high-production settings.
- Newly designed backing pad achieves greatest dust capture rate.



X31V








X51V



X61V

Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection			
X31V	3" (76 mm)	3/16" (5 mm)	12,000	.1 hp (75 W)	8 SCFM (227 LPM)	Hook-Face	1.2 lb (.54 kg)	7" (182 mm)	3" (78 mm)				
X32V		3/32" (2.5 mm)											
X51V	5" (127 mm)	3/16" (5 mm)	12,000	.3 hp (224 W)	18 SCFM (510 LPM)	Hook-Face	1.9 lb (0.9 kg)	9" (230 mm)	3-3/4" (95 mm)				
X51VHS						Hook-Face w/Speed Regulator							
X52V		3/32" (2.5 mm)				Hook-Face							
X52VHS						Hook-Face w/Speed Regulator							
X61V	6" (152 mm)	3/16" (5 mm)	12,000	.3 hp (224 W)	18 SCFM (510 LPM)	Hook-Face	1.9 lb (0.9 kg)	9-1/2" (242 mm)	3-3/4" (95 mm)				
X61VHS						Hook-Face w/Speed Regulator	2 lb (0.9 kg)						
X62V		3/32" (2.5 mm)				12,000	.3 hp (224 W)			18 SCFM (510 LPM)	Hook-Face	2 lb (0.9 kg)	
X62VHS											Hook-Face w/Speed Regulator		

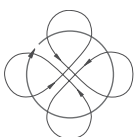
# VACUUM TOOLS

## RANDOM ORBITAL SANDERS



### 3/8" (10 MM) DIA. ORBIT

For Aggressive Sanding  
Orange Lever



### 3/16" (5 MM) DIA. ORBIT

For General Sanding  
Silver Lever



### 3/32" (2.5 MM) DIA. ORBIT

Ultra-Fine Sanding  
Black Throttle Lever



## DYNORBITAL® SUPREME VACUUM

- Heavy-duty, durable construction.
- Perfect for horizontal sanding.



56819



56830

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
56874	3-1/2" (89 mm)	3/8" (10 mm)	12,000	.28 hp (209 W)	18 SCFM (510 LPM)	Vinyl-Face	2.3 lb (1 kg)	7" (178 mm)	3-1/2" (89 mm)	
56804		3/16" (5 mm)					2.1 lb (1 kg)	7" (178 mm)		
56844		3/32" (2.5 mm)								
56884	5" (127 mm)	3/8" (10 mm)					2.3 lb (1 kg)	7-1/4" (184 mm)		
56819		3/16" (5 mm)					2.2 lb (1 kg)			
56854		3/32" (2.5 mm)								
56894	6" (152 mm)	3/8" (10 mm)					2.4 (1 kg)	7-3/4" (197 mm)		
56830		3/16" (5 mm)					2.3 lb (1 kg)			
56863		3/32" (2.5 mm)								

## DYNORBITAL-SPIRIT® VACUUM

- Light weight and ergonomic.
- Suited for all operators and vertical applications.



59024



59044

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection		
59104	3" (76 mm)	3/8" (10 mm)	12,000	.25 hp (186 W)	17 SCFM (481 LPM)	Vinyl-Face	1.5 lb (.6 kg)	7" (178 mm)	3-1/2" (89 mm)			
59109		3/16" (5 mm)					1.4 lb (.6 kg)	7-1/4" (184 mm)				
59114		3/32" (2.5 mm)						7-3/4" (197 mm)				
59004	3-1/2" (89 mm)	3/8" (10 mm)					1.5 lb (.7 kg)	7" (178 mm)				
59019		3/16" (5 mm)					1.4 lb (.6 kg)	7" (178 mm)				
59034		3/32" (2.5 mm)										
59009	5" (127 mm)	3/8" (10 mm)					1.5 lb (.7 kg)	7-1/4" (184 mm)				
59024		3/16" (5 mm)					1.5 lb (.6 kg)					
59039		3/32" (2.5 mm)					1.4 lb (.6 kg)					
59014	6" (152 mm)	3/8" (10 mm)					1.6 (.7 kg)	7-3/4" (197 mm)				
59029		3/16" (5 mm)					1.6 lb (.7 kg)					
59044		3/32" (2.5 mm)					1.5 lb (.7 kg)					

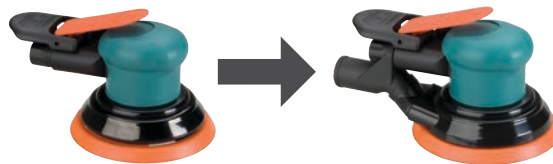


## NON-VACUUM TO VACUUM CONVERSION KITS

### FOR RANDOM ORBITAL SANDERS

- Pad diameter determines which kit is right for your tool.
- Conversion Kit allows user to change tool into desired vacuum configuration.

Kit Part No.	Pad Diameter	Converts Tool To
57119	3-1/2" (89 mm)	Central Vacuum
57120	5" (127 mm)	
57123	6" (152 mm)	



Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

## WARNING TAG

96615

- To be installed on any vacuum tool.
- Signals that tool is NOT to be transferred to other work areas.
- Tag indicates that tool can only be used with aluminum.



## VACUUM TOOLS

### TWO-HAND DYNORBITAL®

#### VACUUM

- Twice the power of a palm-style sander.
- Ideal for leveling and rough sanding applications.



58409



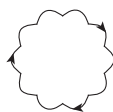
58414

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
58409	6" (152 mm)	3/16" (5 mm)	12,000	.45 hp (336 W)	23 SCFM (651 LPM)	Hook-Face	2.7 lb (1.2 kg)	11-3/8" (288 mm)	4-15/16" (126 mm)	
58420		3/8" (10 mm)								
58414	8" (203 mm)	3/16" (5 mm)	10,000				4.2 lb (1.9 kg)	12-1/2" (319 mm)	5-5/8" (142 mm)	

# VACUUM TOOLS

## GEAR-DRIVEN SANDERS

- Powerful 900 RPM motor with unique epicycloidal sanding action for aggressive material removal.
- Applications include removal and leveling of large amounts of filler materials such as glue or epoxy; removing coatings.



### EPICYCLOIDAL MOTION

*Gear-Driven Sanders*



58443



58041

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
58443	6" (152 mm)	3/16" (5 mm)	900	.45 hp (336 W)	23 SCFM (651 LPM)	Hook-Face	3.8 lb (1.7 kg)	11-1/2" (293 mm)	5-5/8" (143 mm)	
58444										
58446	8" (203 mm)	3/16" (5 mm)		.45 hp (336 W)	23 SCFM (651 LPM)		4.3 lb (2 kg)	12-1/2" (319 mm)	5-9/16" (142 mm)	
58041	11" (279 mm)	3/16" (5 mm)		.45 hp (336 W)	23 SCFM (651 LPM)		5.5 lb (2.5 kg)	15" (381 mm)	5-9/16" (141 mm)	

## VACUUM SHROUD CONVERSION KIT

### CONVERTS 5" (127 MM) & 6" (152 MM) DIA. VACUUM GEAR & NON-GEAR DRIVEN TWO-HAND TOOLS

Use with Non-Vacuum Models 58400\*, 58409, 58420, 58441\*, 58442\*, 58443, 58444

\*These 5" tools can utilize this 6" conversion kit when the application is needed.

57759

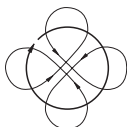
- Vacuum shroud with enclosed front maximizes dust capture in both random orbit and rotary collection.



57759  
Shroud Kit Only

## 11" DIAMETER TWO-HAND DYNORBITAL<sup>®</sup> VACUUM

- Used for leveling and scuffing broad surfaces.
- Pad shroud enhances vacuum capacity.



**3/4" (19 MM) DIA. ORBIT**

*Achieve a Swirl-Free Finish*



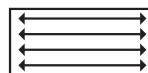
NS11V

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
NS11V	11" (279 mm)	3/4" (19 mm)	0-2,800	1 hp (746 W)	42 SCFM (1,189 LPM)	Hook-Face	9.4 lb (4.3 kg)	18-1/4" (462 mm)	5-3/4" (147 mm)	

## DYNALINE SANDERS

### VACUUM

- For use with coated or non-woven abrasives when equipped with optional long-nap pad 57852.
- Used to sand and scuff on wood, composite, plastic and metal.



**IN-LINE MOTION**



57404

Model No.	Power	RPM	Pad Size	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
57404	.3 hp (186 W)	2,400	2-3/4" x 8"	21 SCFM (595 LPM)	Vinyl-Face	2.6 lb (1.2 kg)	9-1/4" (235 mm)	3-3/4" (95 mm)	



## VACUUM TOOLS

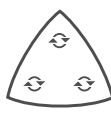
### VACUUM DYNAFINE®

#### VACUUM

- Features 1/32" (0.8 mm) orbital action ensures superior finishes without damaging substrate.
- Lightweight design and 7° design offset handle allow greater comfort and control.
- Ideal for getting into restricted areas such as corners and door jambs while extracting contaminants that may be harmful to the operator.
- Two vacuum pad offerings: Tear-Drop (included) & Triangular. Both are offered in PSA and Hook-Face. Only 1.8 lbs!
- Features 96006 Swivel Cuff for better operator comfort; 96006 Swivel Cuff accepts 1-1/4" Vacuum Hose.
- Includes 94407 Flow Control Dynaswivel®.



ORBITAL MOTION



ORBITAL MOTION



58017

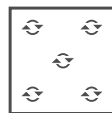
Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
58017	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

Model No.	Power	RPM	Air Consumption	Air Inlet Thread	Air Pressure	Weight	Length	Height	Vacuum Connection
58017	.12 hp (89 W)	15,000	17 SCFM (481 LPM)	1/4" NPT	90 PSIG (6.2 Bar)	1.8 lb (0.8 kg)	11-13/16" (300 mm)	4" (102 mm)	

### DYNABUG® "MODEL T"

#### VACUUM

- Lightweight, ergonomic design features low profile grip for greater operator comfort and control.
- Turbine-style vaneless air motor does not require oil.



ORBITAL MOTION



57928

Model No.	Pad Size	Orbit Dia.	RPM	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
57928	4-1/4" x 4-1/2"	3/32" (2.5 mm)	20,000	7 SCFM (198 LPM)	Vinyl-Face	1 lb (0.5 kg)	5" (127 mm)	3" (76 mm)	
57929	"Quarter-Sheet"				Hook-Face				

# VACUUM TOOLS

## DYNABUG® SANDER

### VACUUM

- "Jitter-Bug" orbital motion available in 3/16" or 3/32" motion.
- Ideal for achieving a controlled, fine finish on a variety of surfaces.



ORBITAL MOTION



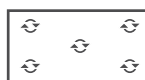
57814

Model No.	Pad Size	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
57814	3-2/3" x 9" Abrasive Sheets	3/32" (2.5 mm)	10,000	.24 hp (179 W)	16 SCFM (453 LPM)	Vinyl-Face	2.6 lb (1.2 kg)	7-1/4" (184 mm)	4-1/4" (108 mm)	
57804		3/16" (5 mm)	8,000				2.8 lb (1.3 kg)			

## DYNABUG® II

### VACUUM

- Compact size is ideal for all operators.
- Light-weight and easy to maneuver for high-production finishing settings.



ORBITAL MOTION



58506

Model No.	Pad Size	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
58502	3" x 4-1/4"	3/32" (2.5 mm)	10,000	.11 hp (82 W)	12 SCFM (651 LPM)	Hook-Face	1.6 lb (.7 kg)	7" (180 mm)	3-1/2" (91 mm)	
58505	3-1/4" x 5"							7-1/2" (190 mm)	3-1/2" (91 mm)	
58506	4" x 5-3/4" "Delta Style Pad"							8-3/4" (222 mm)		

# VACUUM TOOLS

## CUT-OFF WHEEL TOOLS

### UNIQUE VACUUM SHROUD

- Ideal for cutting, trimming and scoring in metalworking, fiberglass and composite fabrication applications.
- Adjustable wheel guards and shrouds are designed for efficient vacuum capture of fine dust particles.
- Various size guard/shroud vacuum ports diverts airborne dust and debris and provide direct connection to vacuum source option.
- Non-marring composite base on selected models is removable to utilize maximum blade depth of cutting wheel.



52436



52438



52537



52538



52615



53291

Model No.	Wheel Dia.	Power	RPM	Tool Thread	Air Consumption	Weight	Length	Height	Vacuum Connection
52436	4-1/2" (114 mm)	.7 hp (522 W)	20,000	3/8" - 24 Male	32 SCFM (906 LPM)	3.1 lb (1.4 kg)	10-5/8" (270 mm)	5-1/4" (133 mm)	
52438	5" (127 mm)	1.0 hp (746 W)	12,000		40 SCFM (1,138 LPM)	6.7 lb (3.0 kg)	14-5/8" (371 mm)	4-1/2" (114 mm)	
52537	3" (76 mm)	1.0 hp (746 W)	18,000		41 SCFM (1,161 LPM)	3.75 lb (1.7 kg)	14-5/8" (371 mm)	4-1/2" (114 mm)	
52538	3" (76 mm)	.4 hp (298 W)	12,000		27 SCFM (765 LPM)	2 lb (.97 kg)	8-5/8" (219 mm)	4-3/8" (111 mm)	
52615	5" (127 mm)	1.3 hp (969 W)	12,000	3/8"-24 Female	40 SCFM (1,133 LPM)	7.3 lb (3.3 kg)	15-1/4" (385 mm)	8-1/2" (213 mm)	
53291	7" (178 mm)	2.8 hp (2,088 W)	8,500	5/8"-11 Male	120 SCFM (3,398 LPM)	8.4 lb (3.8 kg)	16-1/4" (411 mm)	7-1/2" (193 mm)	



## VACUUM TOOLS

### .4 HP VACUUM DIE GRINDERS FOR CONNECTION TO VACUUM SYSTEM

- Utilized for rapid material removal, precise finishing, polishing, deburring, and removal of parting lines & flash.
- Easy-trim, rotating vacuum shroud provides work-piece visibility while ensuring active dust extraction.

#### RIGHT ANGLE MODELS



56715 / 56719

#### 7° OFFSET MODELS



56723 / 56727

#### STRAIGHT-LINE MODELS

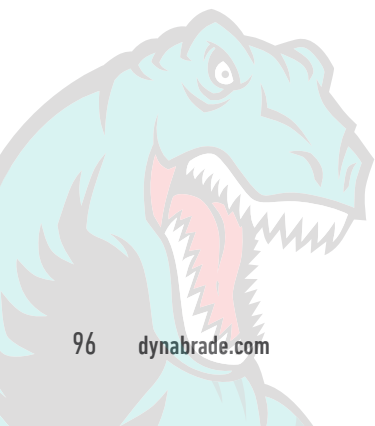


56751 / 56755

#### Vacuum/Tool Connection KEY

Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

Model No.	Power	RPM	Collet Size	Air Consumption	Weight	Length	Height	Vacuum Connection
56715	.4 hp (298 W)	12,000	1/4" (6 mm)	21 SCFM (595 LPM)	1.6 lb (0.7 kg)	9" (227 mm)	5" (125 mm)	
56719	.4 hp (298 W)	20,000	1/4" / (6 mm)	21 SCFM (595 LPM)	1.6 lb (0.7 kg)	9" (227 mm)	5" (125 mm)	
56723	.4 hp (298 W)	25,000	1/4" / (6 mm)	24 SCFM (680 LPM)	1.6 lb (0.7 kg)	9-3/4" (247 mm)	6" (150 mm)	
56727	.4 hp (298 W)	5,000	1/4" / (6 mm)	25 SCFM (708 LPM)	2.3 lb (1.0 kg)	10" (254 mm)	8-1/4" (212 mm)	
56751	.4 hp (298 W)	5,000	1/4" / (6 mm)	25 SCFM (708 LPM)	2.1 lb (0.9 kg)	13-1/4" (338 mm)	4-1/2" (117 mm)	
56755	.4 hp (298 W)	25,000	1/4" / (6 mm)	21 SCFM (595 LPM)	1.4 lb (0.6 kg)	10-1/2" (268 mm)	4-1/2" (117 mm)	



# VACUUM TOOLS

## .7 HP & 1 HP VACUUM DIE GRINDERS FOR CONNECTION TO VACUUM SYSTEM

- Utilized for rapid material removal, precise finishing, polishing, deburring, and removal of parting lines & flash.
- Models utilize carbide burrs, rotary files, mounted points, roll cartridges, wheels and discs.
- Easy-trim, rotating vacuum shroud provides work-piece visibility while ensuring active dust extraction.

.7 HP STRAIGHT-LINE MODEL



56759

7° OFFSET MODELS



56739

1 HP STRAIGHT-LINE MODELS



56743 / 56747

Model No.	Power	RPM	Collet Size	Air Consumption	Weight	Length	Height	Vacuum Connection
56759	.7 hp (552 W)	15,000	1/4" / (6 mm)	38 SCFM (1,076 LPM)	2.6 lb (1.2 kg)	14" (353 mm)	4-1/2" (118 mm)	
56739		18,000		38 SCFM (1,076 LPM)	2.5 lb (1.1 kg)	10" (254 mm)	8" (206 mm)	
56743	1 hp (744 W)	12,000		38 SCFM (1,085 LPM)	2.8 lb (1.3 kg)	14-1/4" (363 mm)	4-1/2" (118 mm)	
56747		20,000		41 SCFM (1,161 LPM)	2.8 lb (1.3 kg)	14-1/4" (363 mm)	4-1/2" (118 mm)	

## VACUUM ROUTER FOR CONNECTION TO VACUUM SYSTEM

- Ideal for chamfers and roundover cuts on hardwoods, softwoods, solid surfaces and plastics. Great for laminate trimming, surface planing, beveling and cornering.
- Tool accepts optional high-speed router bits with 1/4" diameter shank capacity.
- Unique vacuum shroud includes 1" (25 mm) vacuum port, for easy connection to external central vacuum system.
- Efficiently captures dust, debris and contaminants during use.



51332



51333

Model No.	Power	RPM	Collet Size	Air Consumption	Air Inlet Thread	Weight	Length	Height	Vacuum Connection
51332	.7 hp (522 W)	20,000	1/4"	42 SCFM (1,189 LPM)	1/4" NPT	2.6 lb (1.2 kg)	11" (282 mm)	3-1/2" (89 mm)	
51333						3.3 lb (1.5 kg)		4" (102 mm)	

## FLUSH CUT-OFF WHEEL TOOL UNIQUE SHROUD & FLANGE DESIGN

- Unique cutaway shroud design allows 1" (25 mm) wheel depth exposure.
- Non-marring plastic flange protects work surface while cutting.
- Adjustable cutting height, from flush to 5/8" (16 mm) above work surface, is achieved by inserting wheel mandrel deeper into collet.



52418

Model No.	Power	RPM	Collet Size	Air Consumption	Air Inlet Thread	Weight	Length	Height	Vacuum Connection
52418	.7 hp (522 W)	20,000	3/8"	37 SCFM (1,048 LPM)	1/4" NPT	3 lb (1.3 kg)	10-5/16" (265 mm)	5-1/4" (133 mm)	



## VACUUM TOOLS

### 2" DIA. DISC SANDERS

- Utilized for cleaning welds, grinding down excess glue, sanding flanges, blade repair & more.
- Flexible, non-marring Vacuum Shroud is constructed of high-quality clear urethane.
- Shroud angle of 6 degrees ensures ideal surface contact and maximum dust extraction.
- Vacuum Shroud allows capture of dust, debris, and contaminants such as Hexavalent Chromium.

#### 7" OFFSET MODELS



51231 / 51236

#### RIGHT ANGLE



51230 / 51232

#### Vacuum/Tool Connection KEY

Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

Model No.	Power	RPM	Tool Thread	Air Consumption	Weight	Length	Height	Vacuum Connection
51231	.4 hp (298 W)	15,000	1-1/4"- 20 Male	20 SCFM (556 LPM)	1.4 lb (0.6 kg)	9-3/4" (249 mm)	3-1/2" (90 mm)	
51236		25,000		21 SCFM (595 LPM)	1.7 lb (0.7 kg)	11-1/4" (286 mm)	3-7/8" (98 mm)	
51230		12,000		21 SCFM (595 LPM)		9-3/4" (249 mm)	3-1/2" (90 mm)	
51232		20,000		21 SCFM (595 LPM)				

### 3" DIA. DISC SANDERS, RIGHT ANGLE

- Utilized for efficient material removal on non-ferrous surfaces such as carbon fiber, fiberglass, painted aluminum & more.
- Flexible, non-marring Vacuum Shroud is constructed of high-quality clear urethane.
- Unique view-port allows operator to see edge of sanding disc, and offers optimum view of work surface.
- Shroud angle of 6 degrees ensures ideal surface contact and maximum dust extraction.



50211 / 50561

Model No.	Power	RPM	Tool Thread	Air Consumption	Weight	Length	Height	Vacuum Connection
50211	.4 hp (298 W)	15,000	1-1/4"- 20 Male	21 SCFM (595 LPM)	1.7 lb (0.7 kg)	10-1/2" (266 mm)	3-7/8" (98 mm)	
50561							4-3/8" (109 mm)	

# VACUUM TOOLS

## 5" & 7" DIA. DISC SANDERS

- For use on non-metallic surfaces, such as carbon fiber, composites, fiberglass, turbine blades & more.
- Flexible, non-marring Vacuum Shroud is constructed of high-quality clear urethane.
- Unique view-port allows operator to see edge of sanding disc, and offers optimum view of work surface.
- Vacuum Shroud allows capture of dust, debris, and contaminants such as Hexavalent Chromium.



Model No.	Power	RPM	Tool Thread	Air Consumption	Weight	Length	Height	Vacuum Connection
52596	1.3 hp (970 W)	12,000	5/8" - 11 Male	42 SCFM (1,184 LPM)	5.5 lb (2.5 kg)	16" (410 mm)	4" (100 mm)	
52597	1.3 hp (969 W)	6,000		39 SCFM (1,104 LPM)	5.8 lb (2.6 kg)	14-5/8" (373 mm)	3-7/8" (104 mm)	
53278	2.8 hp (2,088 W)	6,500		116 SCFM (3,285 LPM)	7.2 lb (3.3 kg)	18" (457 mm)	4-1/4" (108 mm)	

## VACUUM SHROUDS FOR DISC SANDERS

### 2" (51 MM) DIAMETER

#### 52742 - SHROUD

- For use with 2" Vacuum Disc Sanders.
- Lightweight, flexible, non-marring.
- Clear urethane allows optimum view of work surface.
- Accommodates optional abrasive discs, 2" (51 mm) in diameter.



### 3" (7 MM) DIAMETER

#### 50789 - TRIMMED SHROUD

- For use with 3" Vacuum Disc Sanders.
- Lightweight, flexible, non-marring.
- Clear urethane, with "view port" for optimum work surface visibility.
- For use with optimal coated abrasive and non-woven nylon discs.



### 3" (7 MM) DIAMETER

#### 50771 - STANDARD SHROUD

- For use with 3" Vacuum Disc Sanders.
- Lightweight, flexible, non-marring.
- Clear urethane, with "view port" for optimum work surface visibility.
- For use with optional bristle-type discs.
- May also be trimmed for customized use.



## DISC SANDER VACUUM CONVERSION KITS

### CONVERTS 3" (76 MM) DIA. NON-VACUUM DISC SANDER TO CENTRAL VACUUM

Use with Non-Vacuum Models 48530, 48531, 48532

#### 54603 - TRIMMED SHROUD

- Includes 50789 Trimmed Shroud, vacuum hose, swivel hose cuff assembly with 1-1/4" (38 mm) port, hose clamp.



#### 54602 - STANDARD SHROUD

- Includes 50771 Standard Shroud, vacuum hose, swivel hose cuff assembly with 1-1/4" (38 mm) port, hose clamp.



# VACUUM TOOLS

## .4 HP VACUUM DRILLS

### FOR CONNECTION TO VACUUM SYSTEM

- Collapsible shroud surrounds drill bit for efficient capture.
- Compact and maneuverable for hard to reach areas.

7° OFFSET MODELS



52903

ANGLE HEAD MODEL



49135

### Vacuum/Tool Connection KEY

Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

Model No.	Power	RPM	Chuck Size	Air Consumption	Spindle Thread	Weight	Length	Height	Vacuum Connection
52903	.4 hp (298 W)	500	1/4"	23 SCFM (651 LPM)	3/8"-24 Male	3.7 lb (1.7 kg)	10-1/2" (268 mm)	11-3/4" (300 mm)	
52904		1,000		25 SCFM (708 LPM)		3.7 lb (1.7 kg)			
52905		2,400		22 SCFM (623 LPM)		3.1 lb (1.4 kg)			
52906		3,600		23 SCFM (651 LPM)		3.1 lb (1.4 kg)			
52907		5,500		26 SCFM (736 LPM)		3.1 lb (1.4 kg)			
49135		3,200		24 SCFM (680 LPM)	1/4"-28 Female	2.0 lb (0.9 kg)	12-1/2" (317 mm)	2-1/2" (63.5 mm)	

## .7 HP VACUUM DRILLS

### FOR CONNECTION TO VACUUM SYSTEM

- Includes collapsible Vacuum Shroud, which compresses around drill bit to effectively capture chips and debris.
- Pistol Grip design includes slow-speed startup trigger.
- High torque air motor; comfortable insulated tool grip.



53106

Model No.	Power	RPM	Air Inlet Thread	Air Consumption	Weight	Length	Height	Vacuum Connection
53103	.7 hp (552 W)	3,400	1/4" NPT	41 SCFM (1,161 LPM)	4 lb (1.8 kg)	10-3/8" (264 mm)	5-7/8" (149 mm)	
53104		4,500		40 SCFM (1,130 LPM)	4 lb (1.8 kg)	10-3/8" (264 mm)		
53105		950		40 SCFM (1,130 LPM)	4.4 lb (2.0 kg)	12-1/4" (310 mm)		
53106		950		40 SCFM (1,130 LPM)	4.4 lb (2.0 kg)	12-1/4" (310 mm)		

# VACUUM TOOLS

## PENCIL GRINDERS

### FOR CONNECTION TO VACUUM SYSTEM

- Ideal for precision deburring and finishing on a variety of surfaces.
- Flexible, non-marring Vacuum Shroud is constructed of high-quality clear urethane.
- Turbine-Driven, high-efficiency air motors have no wearable gears, vanes or blades.
- Air motor is controlled with patented governor, providing constant tool speed under load.



51622



51633

Model No.	Power	RPM	Air Inlet Thread	Air Consumption	Collet Size	Weight	Length	Height	Vacuum Connection
51622	.1 hp (75 W)	35,000	1/4" NPT	8 SCFM (227 LPM)	1/8"	1.1 lb (.5 kg)	5-1/4" (132 mm)	1-7/8" (49 mm)	
51623						1.2 lb (.5 kg)	6" (152 mm)		
51629		50,000				1.1 lb (.5 kg)	5-1/4" (132 mm)		
51630						1.2 lb (.5 kg)	6" (152 mm)		
51632		60,000				1.1 lb (.5 kg)	5-1/4" (132 mm)		
51633						1.2 lb (.5 kg)	6" (152 mm)		

## VACUUM SHROUDS FOR PENCIL GRINDERS

### 51739 - STANDARD SHROUD

- Lightweight, flexible, non-marring.
- For use with Dynabrade standard (non-extension) Pencil grinders.
- Shroud opening of 1-3/8" (35 mm) allows capture of dust and contaminants.



### 51785 - EXTENSION SHROUD

- Lightweight, flexible, non-marring.
- For use with Dynabrade Extension Pencil grinders.
- Shroud opening of 1-3/4" (44 mm) allows capture of dust and contaminants.



## DYNASCALER

### VACUUM

- Ideal for removing rust, oxide, scale, old paint and tough coatings from most surfaces.
- Steel dowel pin (keepers) system allows easy flap loading and unloading.



30336

### 2" DYNAPEEN FLAP ASSEMBLY

- Excellent when used on the Dynabrade Dynascaler surface preparation tools for preparing flat areas and large vertical metal surfaces



39200

Model No.	Power	RPM Free Speed	Spindle Thread	Air Consumption	Weight	Length	Height	Vacuum Connection
30336	.7 hp (522 W)	2,400	1/2" - 20 Male	41 SCFM (1,161 LPM)	6.5 lb (2.9 kg)	11-3/4" (298 mm)	8-1/4" (210 mm)	
30337		3,100						



## ROBOTIC VACUUM TOOLS

### DYNABRADE IN-LINE SANDERS FOR CONNECTION TO ROBOTIC SYSTEMS

- Dynabrade has joined with Universal Robots as a Universal Robots+ Partner and as a Doosan mate. As an Partner and Mate, our tools are adapted to and part of the approved list of end effectors and accessories to perfectly integrate with UR and Doosan collaborative robots, ensuring simple set-up, reliable operation, smooth user experience, and easy programming. Our Robotic Tools are designed with a manual tool changer that will fit any ISO-50 mm bolt circle on any robot. The result is fast, smooth, and low-risk integration.



57814B



57814BK

Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

Model No.	Pad Size	Power	Orbit	Air Consumption	Weight	Length	Height	Vacuum Connection
57814B	3-2/3" x 7" Abrasive Sheets	.28 hp (209 W)	3/32" (2.5 mm)	18 SCFM (510 LPM)	2.4 lb (1.1 kg)	8-1/2" (216 mm)	4" (102 mm)	
57814BK					3.9 lb (1.8 kg)		5-1/8" (130 mm)	
57404B	2-3/4" x 8" Abrasive Sheets	.3 hp (224 W)	3/8" Stroke (10 mm)	18 SCFM (510 LPM)	3.7 lb (1.7 kg)	9-5/16" (236 mm)	4" (102 mm)	
57404BK							5-1/8" (130 mm)	

Additional Specifications Air Inlet - 1/4" NPT | Air Pressure - 90 PSIG (6.2 Bar)

# ROBOTIC VACUUM TOOLS

## DYNABRADE RANDOM ORBITAL SANDERS

### FOR CONNECTION TO ROBOTIC SYSTEMS

- Easy to set-up.
- Consistent sanding force, pattern, abrasive changes.
- Eliminates operator fatigue and potential ergonomic injuries.
- High durability of pneumatic motor allows continued operation.
- Tools can be quickly changed for multi-use sanding and polishing.
- Solenoid accessory allows auto on/off operation of the tool for the best finish possible.



56854B



56854BK

Model No.	Pad Dia.	Power	RPM	Orbit	Air Consumption	Weight	Length	Height	Vacuum Connection
56844B	3-1/2" (89 mm)	.28 hp (209 W)	12,000	3/32" (2.5 mm)	18 SCFM (510 LPM)	1.9 lb (.9 kg)	6-7/8" (173 mm)	3-3/4" (96 mm)	
56844BK						3.3 lb (1.5 kg)		4-7/8" (124 mm)	
56819B	5" (127 mm)	.28 hp (209 W)	12,000	3/16" (5 mm)	18 SCFM (510 LPM)	1.9 lb (.9 kg)	7-3/8" (187 mm)	3-1/2" (89 mm)	
56819BK						3.3 lb (1.5 kg)		4-5/8" (117 mm)	
56854B				3/32" (2.5 mm)	18 SCFM (510 LPM)	1.9 lb (.9 kg)		3-1/2" (89 mm)	
56854BK						3.3 lb (1.5 kg)		4-5/8" (117 mm)	
56884B				3/8" (10 mm)	18 SCFM (510 LPM)	2.1 lb (.9 kg)		3-1/2" (89 mm)	
56884BK						3.4 lb (1.5 kg)		4-5/8" (117 mm)	
56830B	6" (152 mm)	.28 hp (209 W)	12,000	3/16" (5 mm)	18 SCFM (510 LPM)	1.9 lb (.9 kg)	7-7/8" (200 mm)	3-1/2" (89 mm)	
56830BK						3.3 lb (1.5 kg)		4-5/8" (117 mm)	
56863B				3/32" (2.5 mm)	18 SCFM (510 LPM)	1.9 lb (.9 kg)		3-1/2" (89 mm)	
56863BK						3.3 lb (1.5 kg)		4-5/8" (117 mm)	
56894B				3/8" (10 mm)	18 SCFM (510 LPM)	2.2 lb (1 kg)		3-1/2" (89 mm)	
56894BK						3.5 lb (1.6 kg)		4-5/8" (117 mm)	

Additional Specifications Tool Kit Numbers (56819BK, 56854BK, 56830BK & 56863BK) include Millibar Tool Changer, End Effector and Solenoid

### MEMBERS OF:



### IDEAL INDUSTRIES:





## WHAT IS ELECTROSTATIC DISCHARGE (E.S.D.)?

The ESD protective symbol is used to identify items that are specifically designed to provide ESD protection.

ESD is the sudden discharge of an accumulated electrical charge between two objects as they separate or brush against each other. Discharges at elevated voltages can often be observed in the form of a visible spark and felt by a person. Secondary events caused by ESDs, like a fire or short circuited equipment, are responsible for billions of dollars in losses for manufactures each year.



### WHAT CAUSES ESD?

Static buildup generated by the rapid movement of particles over composite, fiberglass, wood and metallic surfaces, or by rubbing and sanding across different materials is a major cause of an electrostatic discharge. Environments with low humidity increase the likelihood of a charge buildup and discharge.

### WHY IS ESD AWARENESS IMPORTANT?

The importance of ESD awareness extends beyond the adverse effects to an employee experiencing a mild shock as they sand. An electrostatic discharge can also:

- Ignite flammable gases, vapors and dusts.
- Cause pinholes in coatings, leading to surface imperfections.
- Damage electronics and mechanical equipment.
- Present a health hazard if static shock is great enough.

### PREVENTING E.S.D.

The key to preventing an electrostatic discharge while working is providing an avenue for the charge to dissipate away from the operator, sensitive equipment, or combustible material. A copper ground wire, being an excellent conductor, is used to create an alternative path away from the operator for any voltage buildup.

Each Dynabrade ESD tool is equipped with a copper ground wire that must attach to the earth ground of a vacuum system or directly to the ground of the electrical outlet for the electrostatic dissipating capabilities to function properly.

In addition, (2) 1 Megaohm resistors are placed in line with the copper wire to dissipate current upstream and downstream in the event of contact with an electrical current.

### POTENTIAL ESD ENVIRONMENT



Dry, dusty areas or areas with certain vapors can compound ESD complications.

### AFTER ESD IS HANDLED WITH CORRECT TOOLS



Dynabrade tools and vacuums contribute to the optimization of applications and environments.

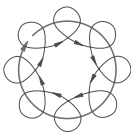
# DYNORBITAL® EXTREME RANDOM ORBITAL SANDER

## FINISHING & DETAIL SANDING



### 3/16" (5 MM) DIA. ORBIT

General Sanding  
Teal Throttle Lever



### 3/32" (2.5 MM) DIA. ORBIT

Ultra-Fine Sanding  
Black Throttle Lever



### MINI-RAPTOR VAC®

61105V



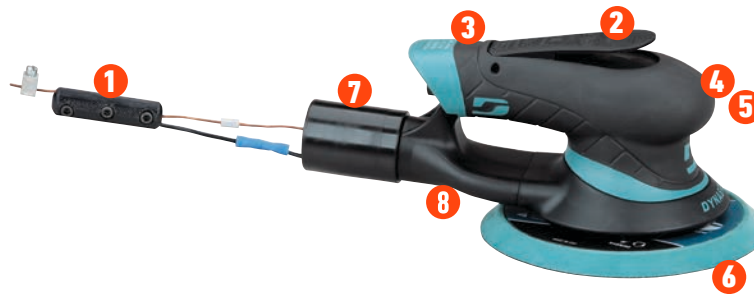
It is the operator's responsibility to verify proper ground connection prior to sanding.

### 31978 20 Ft (6 M)

- 1" vacuum hose
- 5/16" air line
- 1" tool connection, 1" vacuum connection for use with Dynorbital® Extreme



### 59385 10 Ft (3 M)



X62ESD



#### FEATURE

#### BENEFIT

1	(2) 1 MEGAOHM RESISTORS	Prevents high-current shock
2	RECESSED THROTTLE LEVER	Eliminates pressure point on palm
3	INTEGRATED COMFORT PLATFORM	Provides enhanced ergonomic comfort
4	COMFORT GRIP	Tactile ambidextrous design
5	LIP SEAL SHROUD	Enhanced vacuum performance
6	WEIGHT-MATED SANDING PAD	Reduced vibration for consistent finishes
7	INTEGRATED SWIVEL CUFF	Secure maneuverable vacuum connection
8	INCREASED PORT SIZE	For improved vacuum capture rate

#### Vacuum/Tool Connection KEY

Description	Size	Color Code
Smooth Bore	3/4"	Light Blue
	1"	Orange
	1-1/4"	Light Green
	1-1/2"	Purple
	2"	Yellow
Hose Thread	3/4"	Blue with diagonal lines
	1"	Orange with diagonal lines
	1-1/4"	Green with diagonal lines
	1-1/2"	Purple with diagonal lines
	2"	Yellow with diagonal lines
Swivel Cuff	-	Recycling symbol

### MODELS AVAILABLE:

Model No.	Diameter	Orbit	RPM	Ground Wire	Includes ESD Hose Assy.	Vacuum	Hp	Air Consumption	Vacuum Connection
X51ESD	5" (127 mm)	3/16" (5 mm)	12,000	Yes	No	Raptor Vac®	.3 (224 W)	19 SCFM (538 LPM)	
X51ESD1		3/32" (2.5 mm)			59385				
X52ESD		3/16" (5 mm)			No				
X52ESD1		3/32" (2.5 mm)			59385				
X61ESD	6" (152 mm)	3/16" (5 mm)	12,000	Yes	No	Raptor Vac®	.3 (224 W)	19 SCFM (538 LPM)	
X61ESD1		3/32" (2.5 mm)			59385				
X62ESD		3/16" (5 mm)			No				
X62ESD1		3/32" (2.5 mm)			59385				

Additional Specifications Vacuum Port - 1" | Air Inlet - 1/4" NPT | ROS Pads have a 5/16"-24 Male Thread

# DUAL-GRIP, RANDOM ORBITAL SANDER

## BLENDING & FINISHING

Designed for large, high-volume sanding applications, Dual-Grip, Random Orbital Sanders provide an added layer of protection against static shock.

**RAPTOR VAC®**  
61465V



	FEATURE	BENEFIT
1	(2) 1 MEGAOHM RESISTORS	Prevents high-current shock
2	DUAL-GRIP THROTTLE LEVER	Throttle activates on housing & handle
3	EXTREME SANDING PAD	Best-in-class capture rate
4	INTEGRATED SWIVEL CUFF	Eliminates hose tangles
5	IN-LINE VACUUM PORT	Improves mobility
6	SAFETY-LOCK LEVER	Prevents accidental startup



It is the operator's responsibility to verify proper ground connection prior to sanding.

**31979 20 Ft (6 M)**



- 1-1/4" vacuum hose
- 5/16" air line
- 1-1/4" tool connection, 1" vacuum connection for use with Dual-Grip tools

**31927 10 Ft (3 M)**



Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Hose Thread	3/4"	
	1"	
	1-1/4"	
	1-1/2"	
	2"	
Swivel Cuff	-	

MODELS AVAILABLE:

Model No.	Diameter	Orbit	RPM	Ground Wire	Includes ESD Hose Assy.	Vacuum	Shroud Style	Hp	Air Consumption	Vacuum Connection				
58600	6" (152 mm)	3/16" (5 mm)	10,000	Yes	No	Raptor Vac®	Lip	.25 (186 W)	12 SCFM (340 LPM)					
58602			No											
58603		3/8" (10 mm)	12,000		No		Overskirt	.4 (298 W)	20 SCFM (566 LPM)					
58611			No											
58651		3/16" (5 mm)	12,000		31927	Central Vacuum	Lip							
58652														

Additional Specifications Vacuum Port - 1-1/4" | Air Inlet - 1/4" NPT | Pad Thread - 5/16"-24 Male Thread

# DUAL-GRIP, GEAR-DRIVEN SANDER

## LEVELING & STOCK REMOVAL

Specifically designed for very aggressive material removal applications Dual-Grip, Gear-Driven Sanders are high-torque tools that maintain speed under significant downward pressure and are also ideal for use with coarse grit abrasives.

**RAPTOR VAC®**  
61440V



58661



	FEATURE	BENEFIT
1	(2) 1 MEGAΩHM RESISTORS	Prevents high-current shock
2	DUAL-GRIP THROTTLE LEVER	Throttle activates on housing & handle
3	OVERSKIRT SHROUD	Enhanced vacuum capability
4	INTEGRATED SWIVEL CUFF	Eliminates hose tangles
5	IN-LINE VACUUM PORT	Improves mobility
6	SAFETY-LOCK LEVER	Prevents accidental startup



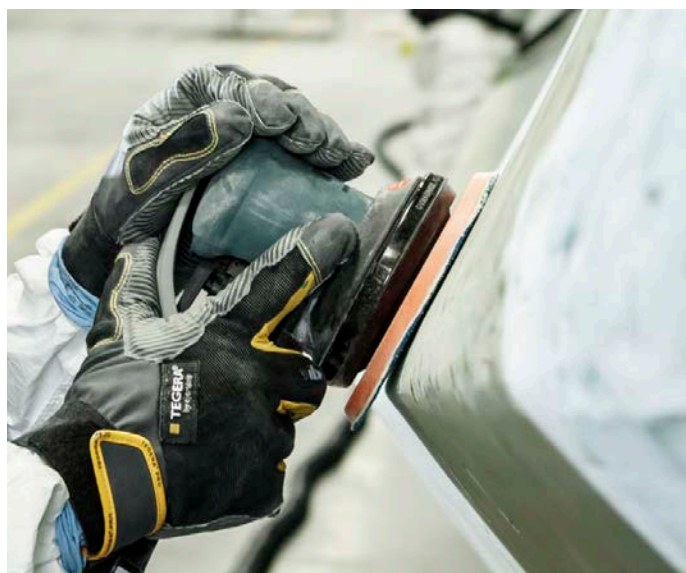
It is the operator's responsibility to verify proper ground connection prior to sanding.

### 31979 20 Ft (6 M)

- 1-1/4" vacuum hose
- 5/16" air line
- 1-1/4" tool connection, 1" vacuum connection for use with Dual-Grip tools



### 31927 10 Ft (3 M)



### MODELS AVAILABLE:

Model No.	Diameter	Orbit	RPM	Ground Wire	Includes ESD Hose Assy.	Vacuum	Shroud Style	Hp	Air Consumption	Vacuum Connection
58660	8"	3/16"	900	Yes	31927	Central Vacuum	Overskirt	.4 (298 W)	23 SCFM (651 LPM)	
58661	(203 mm)	(5 mm)			No	Raptor Vac®				

Additional Specifications Vacuum Port - 1-1/4" | Air Inlet - 1/4" NPT

# DOWNDRAFT TABLE

## MOBILE SANDING STATIONS

Downdraft Tables capture and contain dust created by sanding wood, composites, plastics, fiberglass, and other solid surface materials. Downdraft tables double as mobile workstations equipped with locking, heavy-duty casters and are easily integrated into the shop setting without sacrificing valuable workspace.

When production is the primary concern Dynabrade Downdraft Tables keep operations flowing with quick, single-operator filter access and tool-free installation. Downdraft tables reduce overall facility maintenance and operator down time by keeping dust off the floors, out of the air and brooms out of operator’s hands. On-site collection using downdraft tables is more efficient and easier to maintain at peak efficiency compared to large centralized collectors. Tables require minutes of downtime compared to hours or days of facility wide maintenance.

Multiply collection efficiency by using downdraft tables in combination with vacuum-ready Dynorbital® Sanders and the Dynabrade Raptor Vac® line of portable vacuums. Optimized dust collection systems from Dynabrade are simple to integrate, easy to maintain and play an integral role in facility wide dust abatement plans.

### QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.

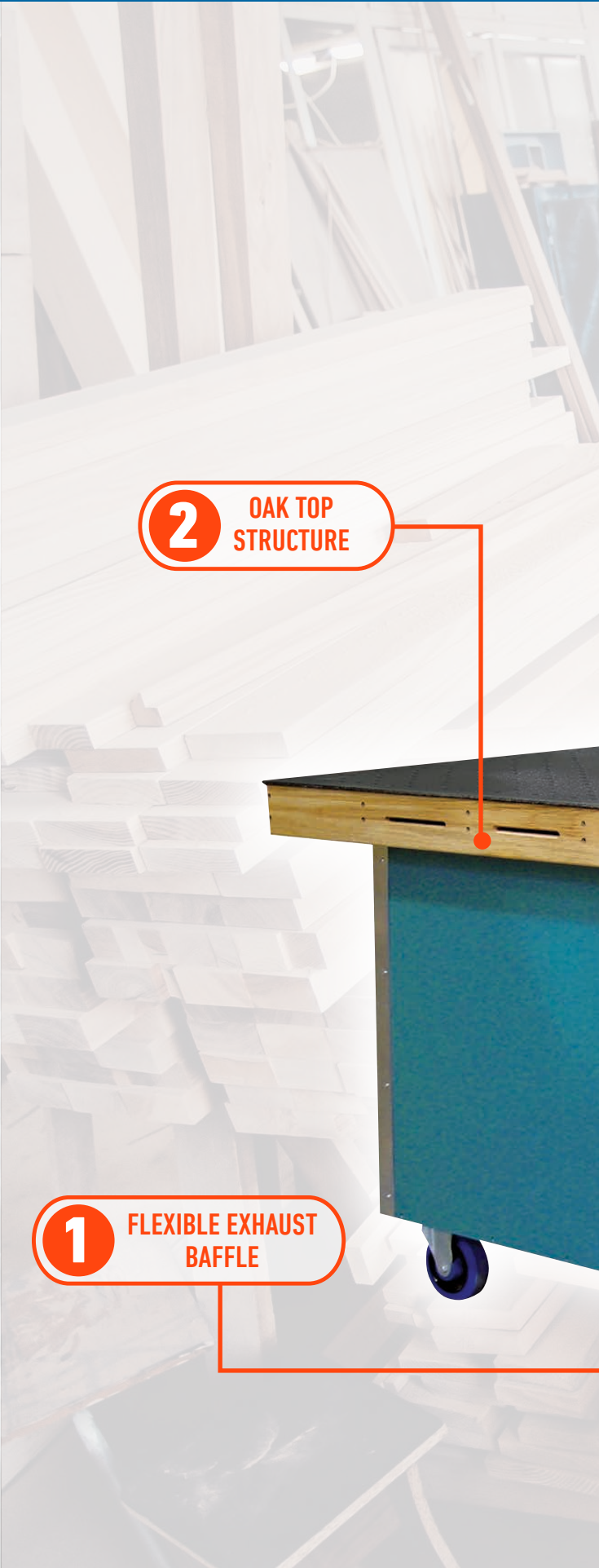
**W<sub>d</sub>**  
Wood

**F<sub>b</sub>**  
Fiberglass

**S<sub>s</sub>**  
Solid Surface

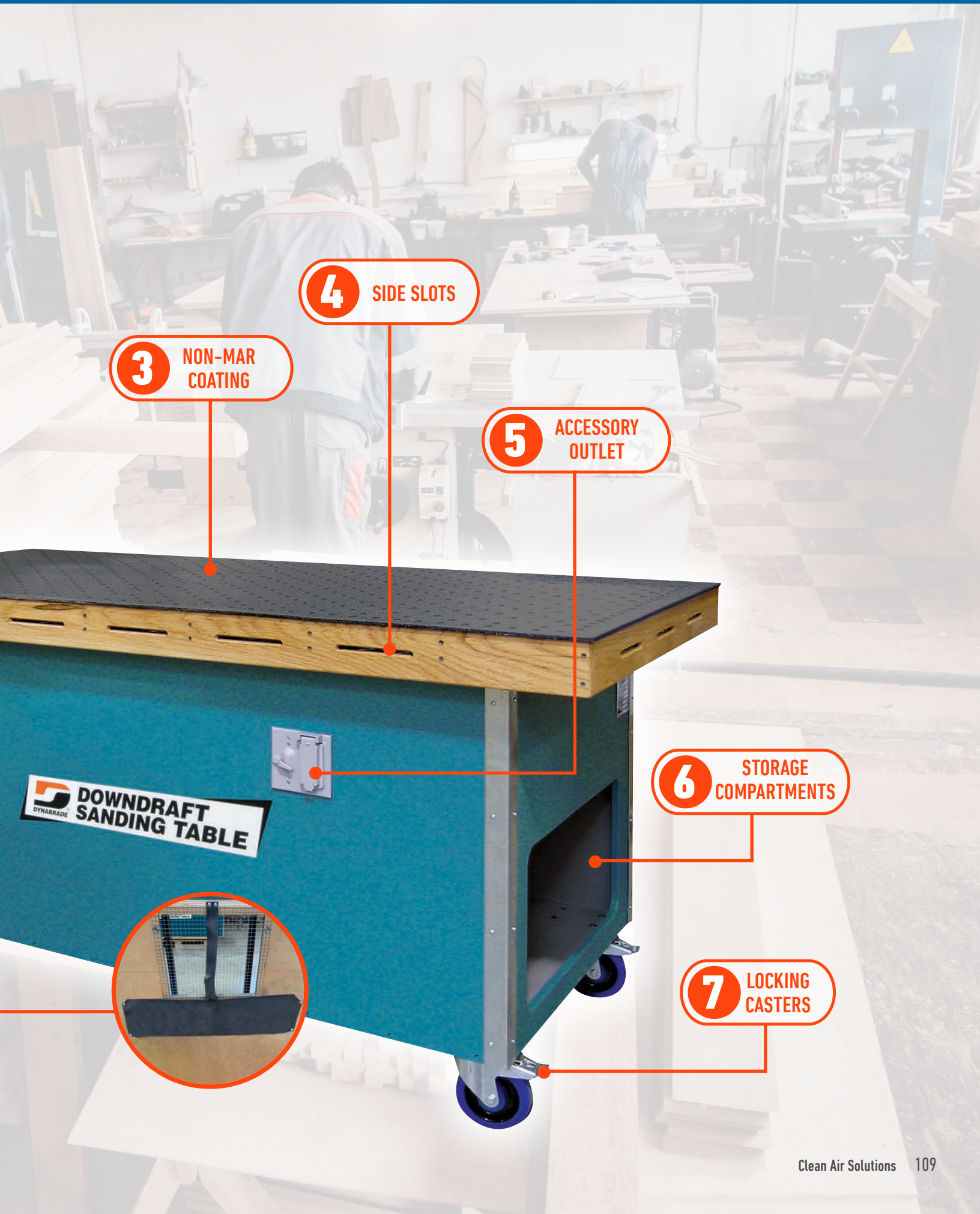
**C<sub>m</sub>**  
Composite

	FEATURE	BENEFIT
1	FLEXIBLE EXHAUST BAFFLE	Directs exhaust away from operator.
2	OAK TOP STRUCTURE	250 lbs load capacity.
3	NON-MAR COATING	Secures and protects work piece.
4	SIDE SLOTS	Help capture overthrown dust.
5	ACCESSORY OUTLET	Convenient power for sanding tools.
6	STORAGE COMPARTMENTS	Quick access for tools and abrasives.
7	LOCKING CASTERS	Easily secures table.



2 OAK TOP STRUCTURE

1 FLEXIBLE EXHAUST BAFFLE



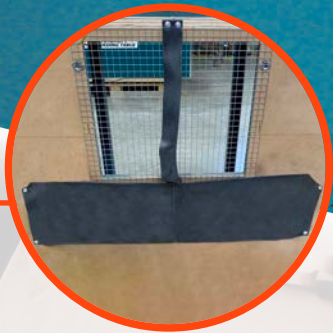
**3** NON-MAR COATING

**4** SIDE SLOTS

**5** ACCESSORY OUTLET

**6** STORAGE COMPARTMENTS

**7** LOCKING CASTERS



**DYNABRADE**  
**DOWNDRAFT SANDING TABLE**

# DOWNDRAFT TABLE

## COMPLETE SPECIFICATIONS

Selecting the right downdraft table is as simple as selecting the electric configuration and size that is right for your shop.

- Ideal for use with vacuum or non-vacuum tools.
- Dual filtration – accept MERV 8 pleated paper filters, 20" W x 25" L. (Models 64201 and 64699 include two filters; model 64700 includes three.)
- Each model also includes one pre-filter blanket.
- Rhino Linings® coated tabletop surface is durable and anti-slip.
- 5" diameter casters allow easy maneuverability of table.
- Two handy storage compartments for tools and accessories.
- Two convenient dust-tight electric outlets.



### CERTIFICATIONS:



Model No.	Motor	Volts / Frequency	Phase	Air Flow	Amps	Working Area Width	Working Area Length	Height	Shipping Weight
63208	1 hp (746 W)	460 V / 60 Hz	3	2,500 CFM	2	33" (838 mm)	41" (1,041 mm)	36" (914 mm)	275 lb (125 kg)
63209						60" (1,524 mm)	60" (1,524 mm)		285 lb (129 kg)
63210						36" (914 mm)	72" (1,829 mm)		323 lb (147 kg)
64201	1 hp (746 W)	115 V / 60 Hz	1	2,500 CFM	13	33" (838 mm)	41" (1,041 mm)	36" (914 mm)	275 lb (125 kg)
64205	1 hp (746 W)	230 V / 60 Hz	1	2,500 CFM	7	33" (838 mm)	41" (1,041 mm)	36" (914 mm)	275 lb (125 kg)
64206						60" (1,524 mm)	60" (1,524 mm)		285 lb (129 kg)
64207						36" (914 mm)	72" (1,829 mm)		365 lb (155 kg)
64208	1 hp (746 W)	230 V / 60 Hz	3	2,500 CFM	4	33" (838 mm)	41" (1,041 mm)	36" (914 mm)	275 lb (125 kg)
64209						60" (1,524 mm)	60" (1,524 mm)		285 lb (129 kg)
64210						36" (914 mm)	72" (1,829 mm)		365 lb (155 kg)
64490	1 hp (746 W)	220 V / 50 Hz	1	2,500 CFM	7	33" (838 mm)	60" (1,524 mm)	36" (914 mm)	285 lb (129 kg)
64492						72" (1,829 mm)	72" (1,829 mm)		365 lb (155 kg)
64493						41" (1,041 mm)	41" (1,041 mm)		275 lb (125 kg)
64699	1 hp (746 W)	115 V / 60 Hz	1	2,500 CFM	13	33" (838 mm)	60" (1,524 mm)	36" (914 mm)	285 lb (129 kg)
64700						72" (1,829 mm)	72" (1,829 mm)		365 lb (155 kg)



## DOWNDRAFT TABLE

### AVAILABLE SIZES

Dynabrade downdraft tables are mobile sanding workstations that are sized to fit your space requirements and production needs. Two-stage filtration ensures maximum air flow for efficient capture and maximum filter life.

#### AVAILABLE SIZES:

- 33" x 41" - Space saving, perfect for small parts and single operator use
- 33" x 60" - Accommodate large or oddly shaped projects
- 36" x 72" - Ideal, two-person sanding station

#### REPLACEMENT TOPS:

- 33" X 41" (64256)
- 33" X 60" (64248)
- 36" X 72" (64253)

## ELECTRIC DOWNDRAFT ACCESSORIES

### FILTERS

Downdraft tables utilize a pre-filter blanket and pleated filters to extend filter life and maximize capture.

#### EACH TABLE INCLUDES:

Pre-filter blanket

- 33" x 60" tables and 33" x 41" tables (64985)
- 36" x 72" tables (64986)

Pleated panel filter (64671)

- 36" x 72" tables (3)
- 33" x 60" tables (2)
- 33" x 41" tables (2)

Optional Accessories:

- UL-Rated Class I, Non-Flammable air filter (64672)
- Dual reinforced Class I air filter (64673)



64671



64672



64986


DUAL REINFORCED  
CLASS I (64673)


### MANIFOLD

The air manifold requires only one incoming airline and has 6 outgoing air plugs from the manifold, allowing up to 6 tools to be connected. No need to disconnect one tool in order to use a second tool, saving operation time. The Filter-Regulator-Lubricator (FRL) ensures that uncontaminated air is supplied to motors of pneumatic tools. Lubrication through the air supply reduces friction and wear in components of air motors. Manifold 22070 option sold separately.



22070

#### INCLUDES:

- On/Off air valve
- Filter-Regulator-Lubricator (10681)
- Air manifold fitted with four (64689) - 1/4" air couplers
- Two (98270) - 3/8" air couplers

## HEAVY-DUTY DOWNDRAFT TABLE DUST COLLECTION STATION

Utilize Dynabrade Heavy-Duty Downdraft Tables for dust collection in high-volume production settings when sanding wood, composites, plastics, carbon fiber, fiberglass, and solid surface. Reduce facility maintenance and operator down time by keeping dust off the floors and out of the air. The Heavy-Duty Downdraft Table can accommodate multiple operators and is production ready with extended filter area, and quick, tool-free filter installation. Multiply efficiency by using with the over 300 vacuum-ready Dynabrade tools and Raptor Vac® family of portable vacuums.

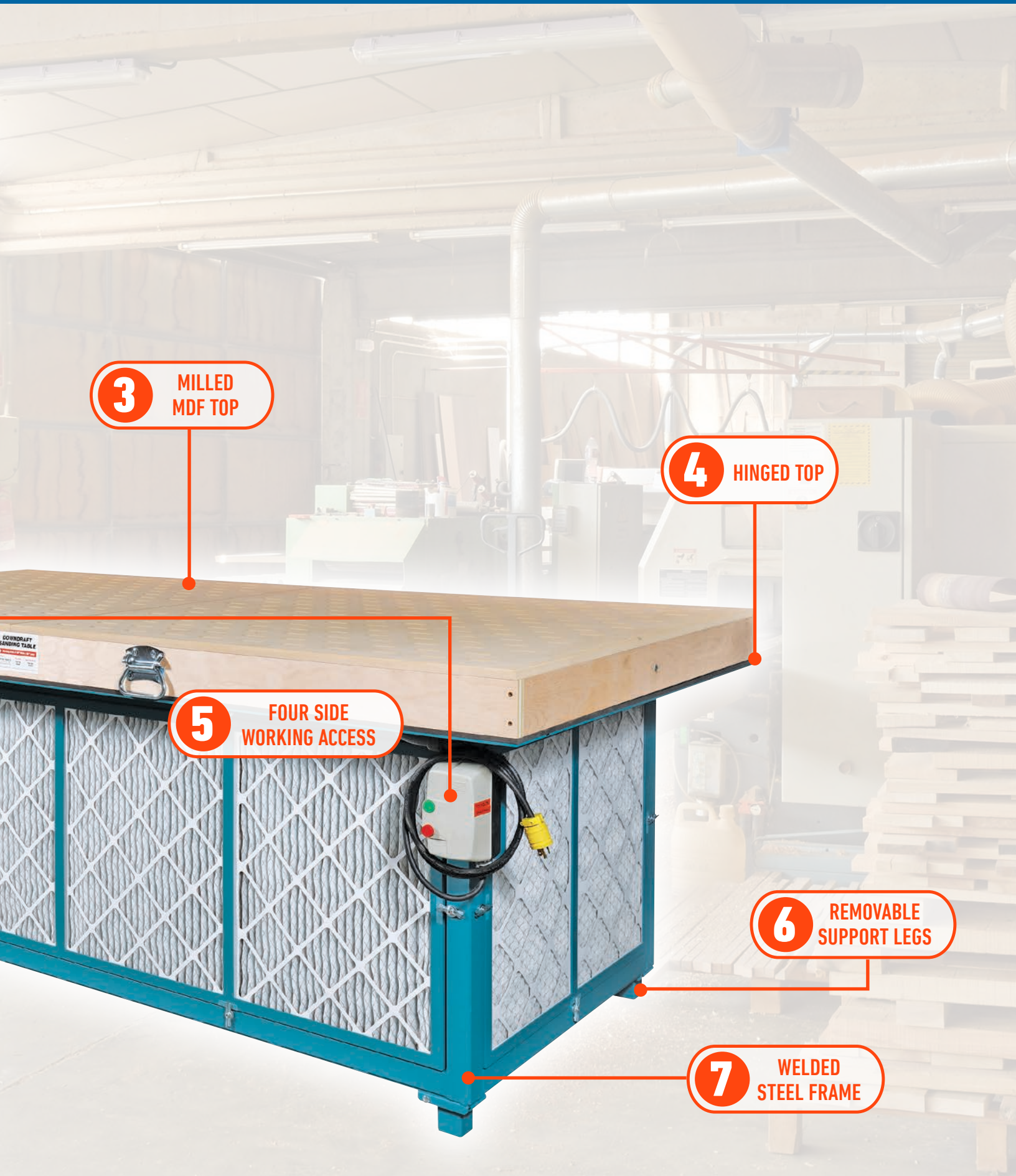
### QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.



	FEATURE	BENEFIT
1	MAXIMIZED FILTER AREA	<i>Extends maintenance interval.</i>
2	DUAL MOTORS	<i>Boosts air flow.</i>
3	MILLED MDF TOP	<i>Non-marring 250 lbs load capacity.</i>
4	HINGED TOP	<i>Simple pre-filter access.</i>
5	FOUR SIDE WORKING ACCESS	<i>Multiple operator use.</i>
6	REMOVABLE SUPPORT LEGS	<i>Quick caster installation.</i>
7	WELDED STEEL FRAME	<i>Industrial duty.</i>





**3**

**MILLED  
MDF TOP**

**4**

**HINGED TOP**

**5**

**FOUR SIDE  
WORKING ACCESS**

**6**

**REMOVABLE  
SUPPORT LEGS**

**7**

**WELDED  
STEEL FRAME**

# HEAVY-DUTY DOWNDRAFT TABLE DOWNDRAFT SYSTEMS

This heavy-duty downdraft table is equipped with direct drive TEFC twin electric motors together with high quality reverse inclined blowers. This combined motor and blower assembly allows for superior flow characteristics (CFM).

Much consideration has gone into the manufacturing of this heavy-duty sanding table to reduce overall facility maintenance and operator down time.

The extensive filter surface area allows for superior clean air exhaust, ensuring a healthy environment for the operator and surrounding facility.

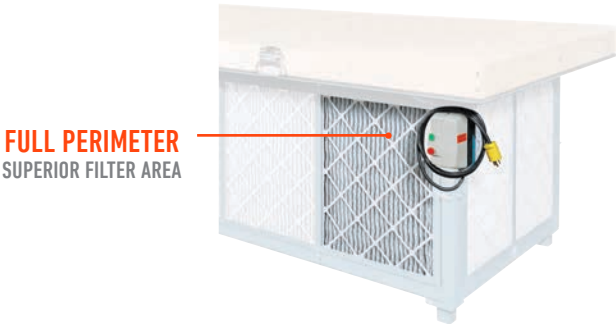
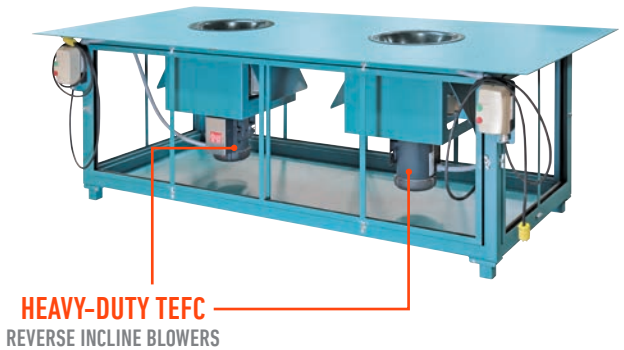
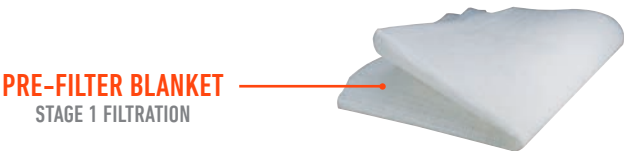
### STAGES OF FILTRATION

- Stage 2, Pleated Panel Filter (MERV 8) – Maximized filter area.
- Stage 1, Pre-Filter Blanket – Safely contains dust and debris.

### CERTIFICATIONS:



Model No.	Motor	Volts / Frequency	Phase	Air Flow	Current Amps / Motor	Working Area Width	Working Area Length	Height	Shipping Weight
64647	1.5 hp Dual	230 V / 50 Hz	1	7,000 CFM	10	48" (1,219 mm)	96" (2,438 mm)	37" (940 mm)	970 lb (440 kg)
64651		230 V / 60 Hz	1		10				
64652		230 V / 60 Hz	3		5				
64654		460 V / 60 Hz	3		2.5				
64657		115 V / 60 Hz	1		20				

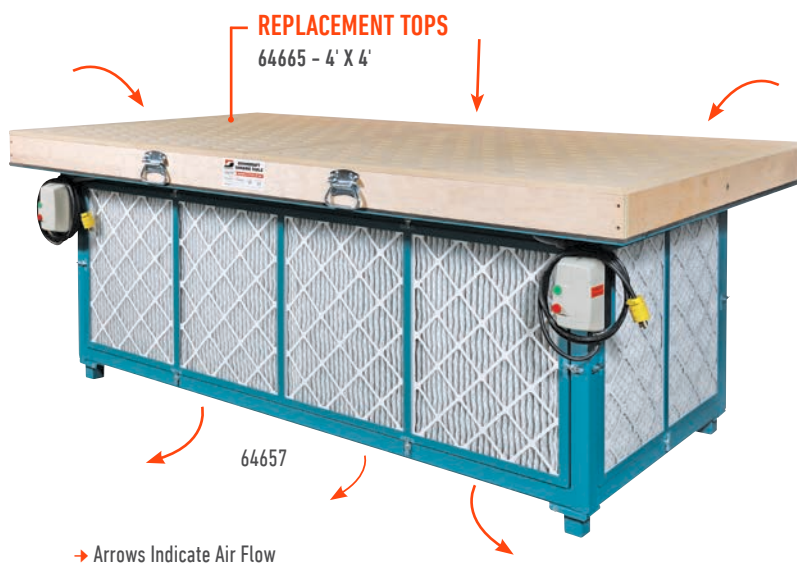


## HEAVY-DUTY DOWNDRAFT TABLE

Eliminate airborne dust and contaminants while sanding. Great for cabinet shops, solid surface fabricators and fiberglass applications. Working Area of 48" W x 96" L. Up to 70% more filter area than competitive brands. High quality reverse incline blowers. Heavy-duty TEFC twin electric motors. Base unit is all-metal construction with CNC milled 3/4" MDF tabletop. Power source: Two heavy duty TEFC electric motors, 1.5 hp. Electric capacity: 115 volt (single phase), 230 volt (single phase), 230 volt (three phase); 460 volt (three phase).

### REPLACEMENT TOP:

- 2- 4' X 4" (64665)



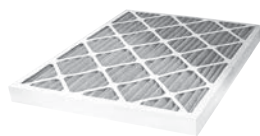
## ELECTRIC HEAVY-DUTY DOWNDRAFT ACCESSORIES

### FILTERS

Downdraft tables utilize a pre-filter blanket and pleated filters to extend filter life and maximize capture.

#### EACH TABLE INCLUDES:

- 8 - 20" x 25" paper filters (64658)
- 4 - 16" x 25" paper filters (64659)
- 1 - 48" x 96" x 1/2" Pre-filter blanket (64987)
- Anti-static, anti-slip mat (64970)



64658 / 64659



64986

#### Optional Accessories:

- 2 - Locking Caster Swivel (64996)
- 2 - Rigid Caster (64995)



64996



64995



Keep machine on even when not in use - table actually filters air to help clean the shop environment.

# METAL CAPTURE DOWNDRAFT STATION

## DOWNDRAFT SYSTEMS

Designed to meet hazardous metal dust collection needs, the Metal Capture Downdraft Station safely collects dust from small-scale aluminum or titanium sanding, grinding, and deburring operations. Hazardous dust is trapped in an air/water mixing zone and becomes submerged in water, eliminating the dust's potential flammability. Removable side walls and transparent enclosure contain dust and contribute to an optimized workstation. Ideal for use in aerospace and automotive manufacturing to capture dust from processing cast and machined parts.

## QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.



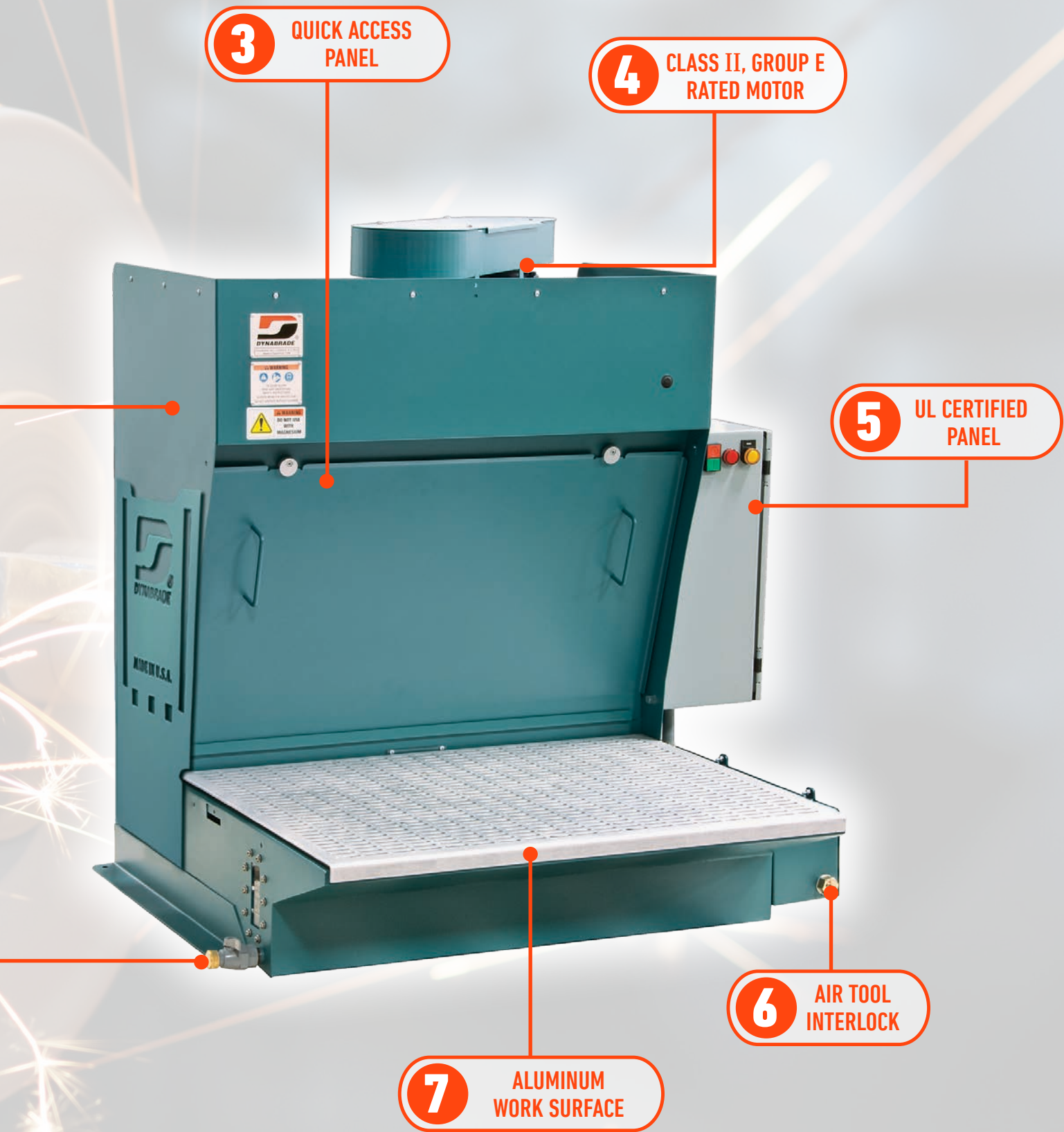
	FEATURE	BENEFIT
1	WATER DRAIN	<i>Easy maintenance.</i>
2	STAINLESS STEEL CONSTRUCTION	<i>Corrosion resistant.</i>
3	QUICK ACCESS PANEL	<i>No tools needed.</i>
4	CLASS II, GROUP E RATED MOTOR	<i>Explosion proof.</i>
5	UL CERTIFIED PANEL	<i>Safe operation.</i>
6	AIR TOOL INTERLOCK	<i>NFPA 484 compliant.</i>
7	ALUMINUM WORK SURFACE	<i>Industrial duty spark-free.</i>

**2** STAINLESS STEEL  
CONSTRUCTION

A red-bordered callout box with a red circle containing the number 2. The text "STAINLESS STEEL CONSTRUCTION" is in bold. The background of the callout shows a close-up of a metal grinding wheel with sparks flying.

**1** WATER DRAIN

A red-bordered callout box with a red circle containing the number 1. The text "WATER DRAIN" is in bold. The background of the callout shows a close-up of a metal grinding wheel with sparks flying.



# METAL CAPTURE DOWNDRAFT STATION

## DOWNDRAFT SYSTEMS

Metal Finishing Station offers a wet filtration system to capture potentially combustible filings and dust in an air/water mixing zone. Also offers convenient disposal of slurry. Greatly decreases potential flammability of work area, when removing material from volatile substances. 36" (914 mm) Wide x 26" (660 mm) Deep work surface. Unique tabletop design not offered by other manufacturers. Can be placed on cart for transportability to every work station. Accepts 10" (254) Dual Wheel Grinder/Buffer. Internal compartments are accessed with no tools required. Transparent debris shield available. Stainless steel construction. No paper filters to replace. Grated work surface. Powder coat finish.

- Interlock Pneumatic Valve with Blower and Time-Delay. Tools operate only when Downdraft Station is running!
- Class II, Group E Explosion-Proof Motor
- Aluminum Top for Non-Spark Work Surface
- Non-Spark Aluminum Blower on Collector's Clean-Air Side
- Automatic Water Level Control
- Vented Sump (Main Tank)
- Low Voltage Control
- Lockable Fused Power Disconnect

### STAGES OF FILTRATION

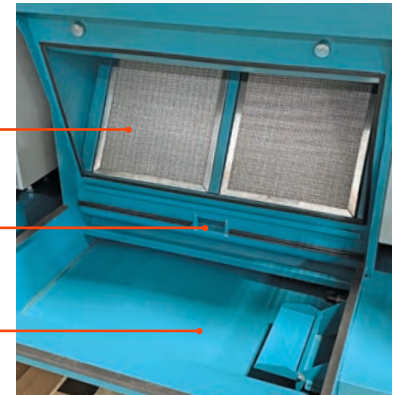
- Stage 2, Dual Filtration – Mist trap ensures clean exhaust.
- Stage 1, Filtration – Immersion instantly renders dust inert.

### CERTIFICATIONS:

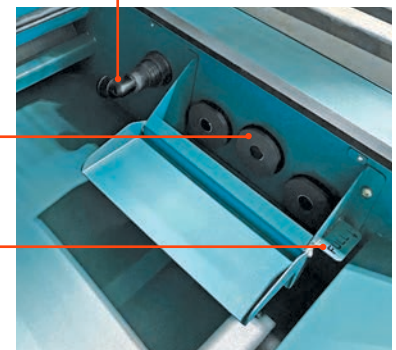


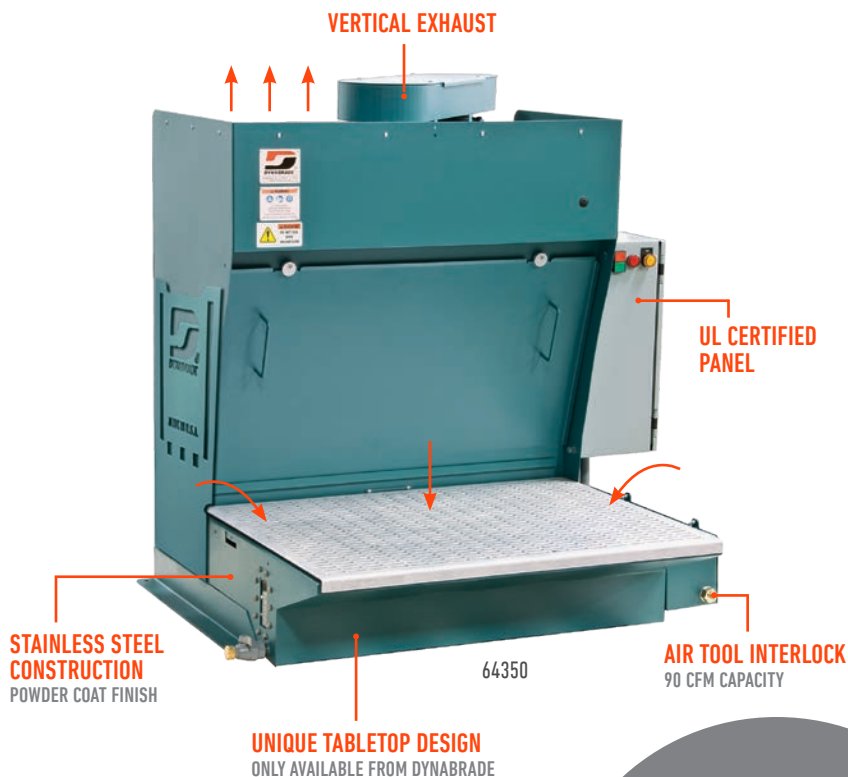
Model No.	Motor	Volts / Frequency	Phase	Air Flow	Current Amps	Working Area Width	Working Area Length	Height	Shipping Weight
64350	2 hp (1,491 W)	230 V / 60 Hz	3	1,000 CFM	3	26" (660 mm)	36" (914 mm)	46" (1,168 mm)	518 lb (235 kg)
64354		460 V / 60 Hz			1.5				

- MIST TRAP**  
STAGE 2 DUAL FILTRATION
- SIGHT GLASS**  
VIEWING OPTIMAL PERFORMANCE
- IMMERSION RESERVOIR**  
STAGE 1 FILTRATION



- AUTO-FILL**  
ADJUSTS PROPER WATER LEVEL
- LIQUID LEVEL SENSOR**  
MONITORS OPTIMAL WATER LEVEL
- WATER LEVEL INDICATOR**  
VISUAL OVERFILL TAB





→ Arrows Indicate Air Flow

## ELECTRIC METAL DOWNDRAFT ACCESSORIES

### OPTIONAL ACCESSORIES

Optional side shields are available.

#### OPTIONAL ACCESSORIES:

##### 64331 Side Shield Kit

- Increases dust capture when disc grinding.

##### 64330 Front & Side Shield Kit

- Includes clear panel to enclose work zone.



### METAL CAPTURE DOWNDRAFT STATION

Greatly decreases potential flammability of work area, when removing material from volatile substances. Interlock Pneumatic valve with blower and time-delay. Tools operate only when downdraft table is running. Class II, Group E explosion-proof motor. Aluminum top for non-spark work surface. Non-spark aluminum blower on collector's clean-air side. Automatic water level control. Vented sump (main tank). Low voltage control. Lockable fused power disconnect.

#### INCLUDES:

- Models 64350/64354 include working area of 26" wide x 36" long.



#### CLEAN OUT KIT 64345 INCLUDES:

- Utility Pump (64339)
- 3/4" Hose (64340)
- Natural brush - Black (64341)
- Scraper (64342)
- Nylon Scrub Brush - Red (64343)

# METAL CAPTURE DOWNDRAFT TABLE

## DOWNDRAFT SYSTEMS

Metal Finishing Station offers a wet filtration system to capture potentially combustible filings and dust in an air/water mixing zone. Also offers convenient disposal of slurry. Greatly decreases potential flammability of work area, when removing material from volatile substances. 36" (914 mm) Wide x 26" (660 mm) Deep work surface. Unique tabletop design not offered by other manufacturers. Can be placed on casters for transportability to every work station. Accepts 10" (254) Dual Wheel Grinder/Buffer. Internal compartments are accessed with no tools required. Transparent debris shield available. Stainless steel construction. No paper filters to replace. Grated work surface. Powder coat finish.

### QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional qualified materials.

**A<sub>t</sub>**  
Aluminum

**S<sub>t</sub>**  
Stainless Steel

**C<sub>s</sub>**  
Carbon Steel

**T<sub>i</sub>**  
Titanium

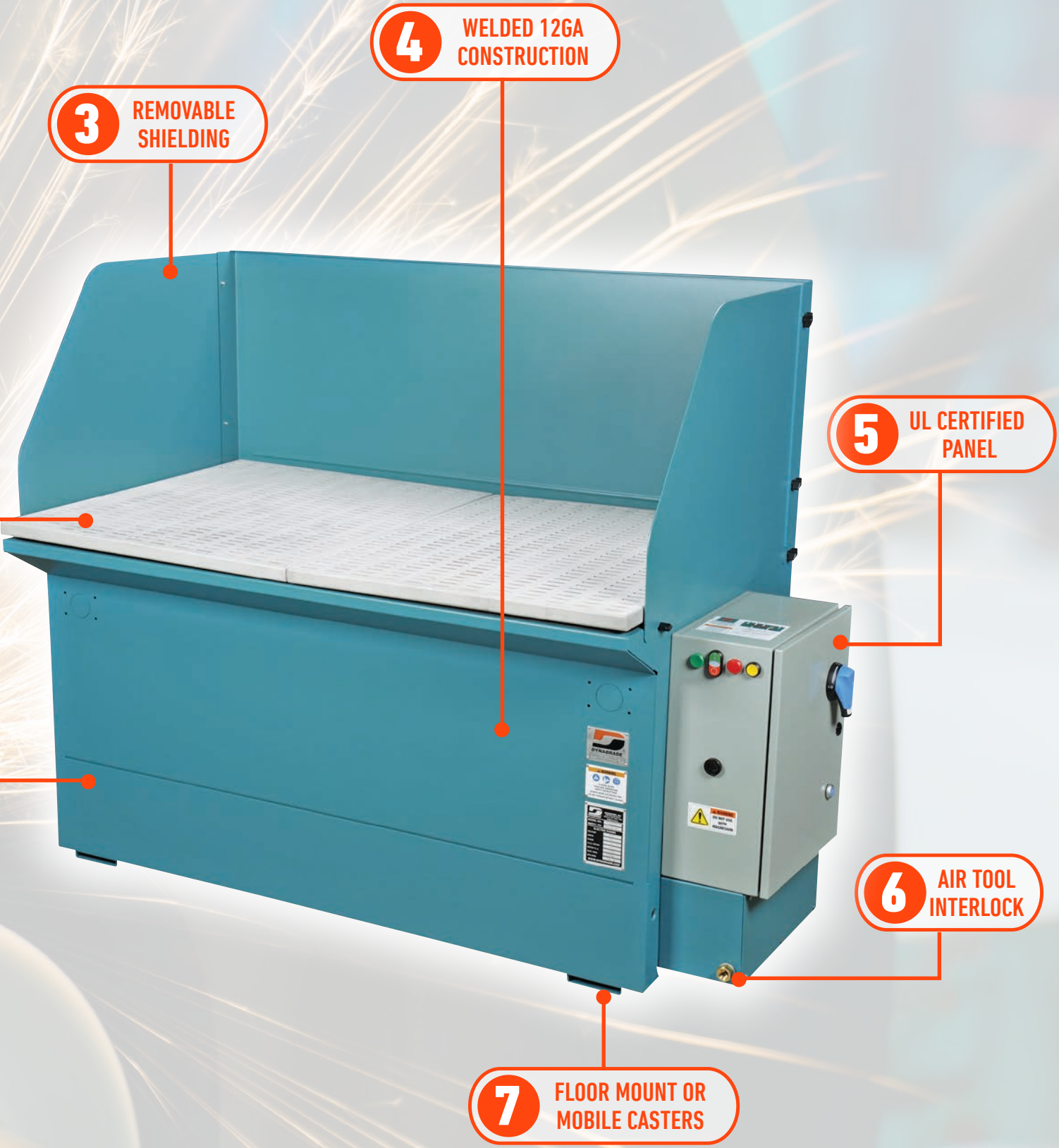
	FEATURE	BENEFIT
1	IMMERSION RESERVOIR	Traps metal dust safely under water.
2	ALUMINUM WORK SURFACES	Quick access for maintenance, spark resistant.
3	REMOVABLE SHIELDING	Accommodates over-sized work pieces.
4	WELDED 12GA CONSTRUCTION	2,000 lb load capacity.
5	UL CERTIFIED PANEL	Safe operation.
6	AIR TOOL INTERLOCK	NFPA 484 compliant.
7	FLOOR MOUNT OR MOBILE CASTERS	Mobile work station.

2

ALUMINUM  
WORK SURFACES

1

IMMERSION  
RESERVOIR



**3** REMOVABLE SHIELDING

**4** WELDED 12GA CONSTRUCTION

**5** UL CERTIFIED PANEL

**6** AIR TOOL INTERLOCK

**7** FLOOR MOUNT OR MOBILE CASTERS

# METAL CAPTURE DOWNDRAFT TABLE

## DOWNDRAFT SYSTEMS

Meets These NFPA Requirements: Interlock Pneumatic Valve with Blower and Time-Delay. Tools operate only when Downdraft Table is running; Class II, Group E Explosion-Proof Motor; Aluminum Top for Non-Spark Work Surface; Non-Spark Aluminum Blower on Collector's Clean-Air Side; Automatic Water Level Control; Vented Sump (Main Tank); Low Voltage Control; Lockable Fused Power Disconnect. Ideal for capturing aluminum and titanium dust. Working area of 36" wide x 60" long accommodates large work pieces. Includes casters for easy maneuvering; casters also lock securely into place. Choice of models that direct exhaust down, up, or to the side. Overload protection / fused disconnect for safety. Sturdy 12-gauge construction. Includes shields for both sides and back of table. Workpiece capacity / load rating of 2,000 pounds. 42 gallon capacity; 1,800 CFM at 4" static pressure. Easy system maintenance. No paper filters to replace!

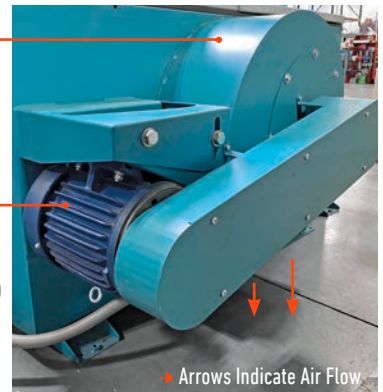
- Interlock Pneumatic Valve with Blower and Time-Delay. Tools operate only when Downdraft Station is running!
- Class II, Group E Explosion-Proof Motor
- Aluminum Top for Non-Spark Work Surface
- Non-Spark Aluminum Blower on Collector's Clean-Air Side
- Automatic Water Level Control
- Vented Sump (Main Tank)
- Low Voltage Control
- Lockable Fused Power Disconnect

### STAGES OF FILTRATION

- Stage 2, Dual Filtration – Ensures clean exhaust.
- Stage 1, Filtration – Immersion instantly renders hazardous dust inert.

**DOWNWARD EXHAUST**  
3 EXHAUST OPTIONS

**EXPLOSION  
PROOF MOTOR**  
SUPPORTS CLASS II,  
DIVISION 1 LOCATION-CERTIFIED



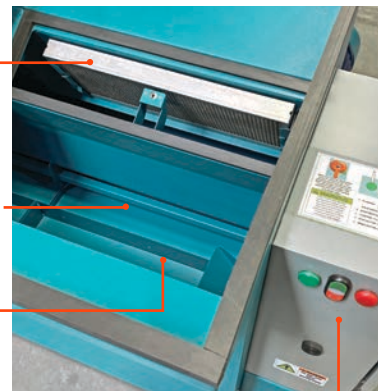
Arrows Indicate Air Flow

**MIST TRAP**  
STAGE 2 DUAL FILTRATION

**IMMERSION RESERVOIR**  
STAGE 1 FILTRATION

**CLEAN-OUT TRAY**  
EASE OF MAINTENANCE

**CONTROL BOX**  
UL CERTIFIED



### CERTIFICATIONS:



Model No.	Motor	Volts / Frequency	Phase	Air Flow	Exhaust Direction	Amps	Working Area Width	Working Area Length	Height	Shipping Weight
64400	3 hp (2,237 W)	230 V / 60 Hz	3	1,800 CFM	Down	7.2	36" (914 mm)	60" (1,524 mm)	37" (940 mm)	1,060 lb (481 kg)
64402					Up					
64404					Side					
64401					Down					
64403		460 V / 60 Hz			Up	3.6				
64405					Side					



## METAL DOWNDRAFT TABLE

The Metal Capture Downdraft Table is a worktable with a downdraft of air through the work surface used to collect metal dust from grinding or sanding operations. Downdraft air flow is created by an electric motor driven impeller. The dust is separated from the airflow by entrainment in water droplets in a turbulent air and water interface and then settles in the base of the worktable. Cleaned air exits through the impeller exhaust.

### INCLUDES:

- Casters for easy maneuvering; casters also lock securely into place.
- Includes shields for both sides and back of table.

### CLEAN OUT KIT 64345 INCLUDES:

- Utility Pump (64339)
- 3/4" Hose (64340)
- Natural brush - Black (64341)
- Scraper (64342)
- Nylon Scrub Brush - Red (64343)



## ELECTRIC METAL DOWNDRAFT ACCESSORIES

## VERSATILITY GRINDER

### DUST COLLECTION ACCESSORIES

#### VACUUM SCOOP ASSEMBLY

64932

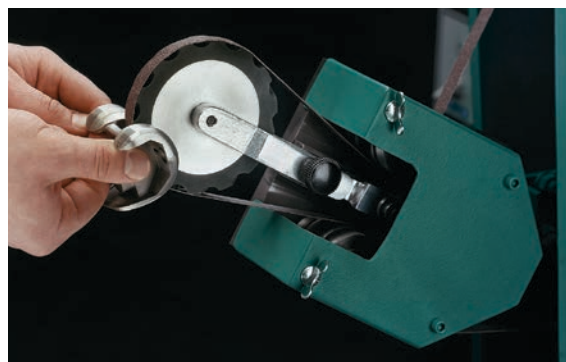
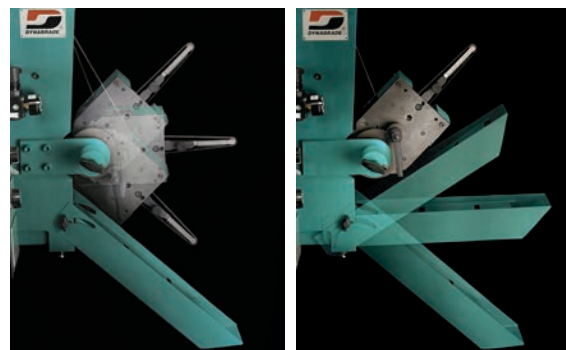
- Attaches to "thru-housing" vacuum port, for efficient collection of sanding debris.



#### VACUUM ADAPTOR

64923

- For connection to 2-1/2" (63 mm) diameter vacuum hose.





## VACUUM SANDING PADS & ABRASIVES

### D-BLOCK SERIES

For traditional hand sanding applications D-Blocks are available in a variety of lengths and widths that pair with standard size abrasive sheets.

#### FEATURES

- Uses hook-face coated and non-woven nylon sheets and rolls
- Lightweight construction and ergonomic grip
- 3/4" vacuum port
- Use 31919, 3/4" hose assembly for connection to Raptor Vacs® (sold separately)



Model No.	Vacuum Holes	Hose Diameter	Width	Length
22090	8	3/4" (19 mm)	2.75" (70 mm)	5" (127 mm)
22091			2.75" (70 mm)	8" (203 mm)
22092	14		2.75" (70 mm)	16" (432 mm)
22093	10		4.5" (114 mm)	9" (229 mm)



\*D-Block hose sold separately

#### D-BLOCK SHEETS: 5"

Grit	Part No.	Qty
P36	79738	50
P40	79739	
P80	79740	
P120	79741	
P180	79742	
P220	79743	
P320	79744	

#### D-BLOCK SHEETS: 8"

Grit	Part No.	Qty
P36	79753	25
P40	79754	
P80	79755	
P120	79756	
P180	79757	
P220	79758	
P320	79759	

#### D-BLOCK SHEETS: 16"

Grit	Part No.	Qty
P36	79768	25
P40	79769	
P80	79770	
P120	79771	
P180	79772	
P220	79773	
P320	79774	



# VACUUM SANDING PADS & ABRASIVES

## DYNACUT™ EXTREME ORANGE™, FILM-BACK DISCS & SHEETS

- Clog free premium film is the best choice for the toughest sanding applications.
- Features a premium P-graded aluminum oxide abrasive for fast cutting and up to 4X the life of paper discs.
- Coated on an extremely smooth, tough and tear resistant, high performance 3mil film backing for generating the finest finishes.
- Proprietary clog free coating is pigment free and “build-up” resistant to further extends product life.
- New Extreme vacuum hole pattern directs sanding dust to center extraction holes where vacuum draw is greatest.

*\*Sold in full box quantities only.*

### HOOK & LOOP DISCS: 3"

Grit	Part No.	Qty
P80	79852	50
P100	79853	
P120	79854	
P150	79855	
P180	79856	
P220	79857	
P320	79858	
P400	79859	



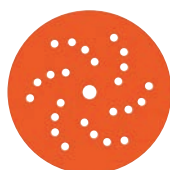
### HOOK & LOOP DISCS: 5"

Grit	Part No.	Qty
P40	79791	50
P60	91535	
P80	91536	
P100	91537	
P120	91538	
P150	91539	
P180	91540	
P220	91541	
P320	91542	
P400	91543	
P600	91605	
P800	91606	
P1000	91607	
P1200	91608	
P1500	91609	



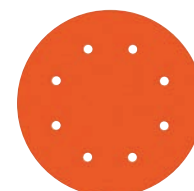
### HOOK & LOOP DISCS: 6"

Grit	Part No.	Qty
P40	79801	50
P60	91562	
P80	91563	
P100	91564	
P120	91565	
P150	91566	
P180	91567	
P220	91568	
P320	91569	
P400	91570	
P600	91610	
P800	91611	
P1000	91612	
P1200	91613	
P1500	91614	



### HOOK & LOOP DISCS: 8"

Grit	Part No.	Qty
P40	79684	25
P60	79685	
P80	79686	
P120	79687	
P150	79688	
P180	79689	
P220	79690	
P320	79691	
P400	79692	
P600	79693	



# VACUUM SANDING PADS & ABRASIVES

## DYNAFOAM INTERFACE PADS

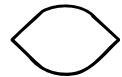
CONFORMABILITY FOR CURVED SURFACES

- Attaches between sanding pad and Hook-Face abrasive.
- Soft foam increases conformability allowing operator to easily follow contours. Converts standard pad into a fine finishing and finessing pad.
- Interface pad easily contours to most surfaces.

Part No.	Diameter	Vacuum Type	Holes
79850	5" (127 mm)	Vacuum	Multi
53965	6" (152 mm)		Multi
53982	8" (203 mm)		8



Part No.	Shape
53970	Tear Drop
53972	Triangle



## RANDOM ORBITAL SANDING PADS

HOOK-FACE AND VINYL-FACE

- Compatible with many multi-hole disc formats without the need to align vacuum holes. Greatest dust extraction rate in the industry!



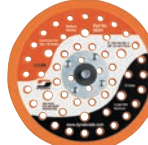
54262



54334



56320



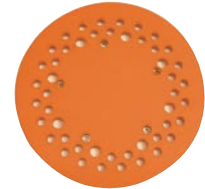
56321



54339



56237



56322

### HOOK-FACE

Part No.	Diameter	Vacuum Type	Pad Thread	Holes	Nap	Thickness	Density
54262	3" (76 mm)	Vacuum	1/4"-20 Male	6	Short	5/8" (16 mm)	Medium
54334	5" (127 mm)		5/16"-24 Male	Multi		3/8" (10 mm)	
56320	5" (127 mm)			44			
54339	6" (152 mm)			Multi			
56321	6" (152 mm)		52				
56237	8" (203 mm)		Screw Mount	8			
56322	8" (203 mm)			48			



### VINYL-FACE

Part No.	Diameter	Vacuum Type	Holes	Nap	Thickness	Density
56105	6" (152 mm)	Vacuum	6	—	3/8" (10 mm)	Medium

## RANDOM ORBITAL & GEAR-DRIVEN SANDING PADS

- Dynabrade random orbital sanding pads are precision engineered for ultra-smooth performance and longer life.
- Exclusive single-piece hub design reduces pad vibration and ensures smooth performance.
- Premium urethane sanding pads are perfectly weight-mated to Dynabrade tools, and achieve consistent swirl-free finishes.

Part No.	Diameter	Vacuum Type	Face	Max. RPM	Thickness	Screws
56237	8" (203 mm)	Vacuum	Hook	10,000	1/2" (13 mm)	5



Part No.	Diameter	Face	Holes	Nap	Thickness
56230	11" (279 mm)	Vinyl	—	—	1/2" (13 mm)
56231		Hook	—	Short	
53997		Hook	15		



## DYNAFINE® SANDING PADS

- Excellent for cleaning wood edges and corners.
- Ideal for use on furniture, shutters, moldings, door jambs and much more!
- Features orbital action for superior finishes.

Part No.	Diameter	Pad Shape	Vacuum Type	Thickness	Holes	Attachment	Nap	Density	Screws			
58046	2-7/8" x 3-1/8" (73 mm x 79 mm)	Triangular	Vacuum	3/8" (10 mm)	6	Vinyl-Face	-	Medium	2			
58049						Hook-Face	Short					
58045	3-3/4" x 2-3/8" (95 mm x 60 mm)	Tear Drop							Vinyl-Face	-	Medium	2
58048									Hook-Face	Short		



## REFER TO OUR CLEAN AIR SOLUTIONS MICRO SITE STAY AHEAD OF THE CURVE WITH DYNABRADE DUST CONTROL SYSTEMS

- Discover Dynabrade's educational chapters of Clean Air Solutions: Health, Safety and Cost Savings.
- Take advantage of Dynabrade's product configuration to find the solution that best fits your needs.
- Reference our D18-01 Abrasives Catalog for a full offering of vacuum related products.

Clean Air Solutions  
Micro Site



SCAN ME

WE LISTEN. WE OBSERVE. **WE OPTIMIZE.**



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