



CLEAN AIR SOLUTIONS

DYNABRADE'S FAMILY OF DUST COLLECTION SYSTEMS & SOLUTIONS



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 Category 3 and Category 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, Category & Zone
- 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, Category & Zone.

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 Category 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 Category & Zone, 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 Category 3, ATEX Zone 2 & 22 (**Non-Metallic Dust**) or our Category 2, ATEX Zone 1 & 21 (**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.



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.



**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.

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.

BREAKING THE PRODUCT DOWN BY CATEGORY & ZONE

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 Category 3 Atex Zone 2 & 22 & Category 2, Atex Zone 1 & 21 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.

CATEGORY 3, ATEX ZONE 2 & 22

One of following two situations must exist for an area to be considered Category 3, ATEX Zone 2 & 22 location:

- 1 - Combustible 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.

CATEGORY 2, ATEX ZONE 1 & 21

One of the following three situations must exist for an area to be considered Category 2, ATEX Zone 1 & 21 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
1 HIGH PERFORMANCE FULLY CONDUCTIVE VACUUM SYSTEM	Aggressively captures dust & insulates from static shock.
2 1" X 20' ERGONOMIC VACUUM HOSE ASSEMBLY	35% lighter than traditional 1-1/4" vacuum hose assemblies.
3 PREMIUM RANDOM ORBITAL SANDERS	Best-in-class dust collection.
4 PNEUMATIC TOOL CONTROLS VACUUM POWER ON & OFF	Connect two tools to vacuum auto on/off simultaneously.
5 STACKABLE LOCKING STORAGE SYSTEM	Keeps abrasives and tools accessible and organized.
6 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.

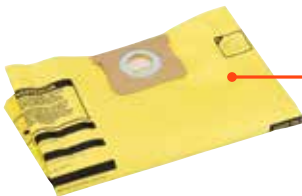
Stage 2 is our final area of particle capture before exhausting clean air. Here we capture a HEPA rating of 99.95% down to 0.3 microns. This HEPA rated stage 2 filtration ensures that the operator consistently works in a healthy environment throughout their workday.



**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



**CONDUCTIVE VACUUM
ASSEMBLY**
PROPERLY TRANSFERS
ELECTROSTATIC DISCHARGE



WET SLEEVE
UTILIZED FOR
WET COLLECTION

DRAIN
CONVENIENT LIQUID DISPOSAL

Model No.	Amp	Capacity	Power	Watts	Water Static Lift	Air Flow	Sound	Height	Width	Length
61110	5A	16 Gallon (60.5 Liter)	6.5 hp	1,050	60" / 152 cm / 149 mbar	143 CFM (4,050 L/Min)	82 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.



STANDARD CART
COMPACT AND EASY
TO MANEUVER

61129

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



ACCESSORY SHELF
TOOL & ABRASIVE STORAGE

**SWIVELING &
LOCKING CASTERS**
NAVIGATE SHOP FLOORS
& BETWEEN BAYS

**VACUUM MOUNTING
SYSTEM**
SECURES VACUUM TO CART

61486

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

RAPTOR AUTO ON/OFF

MOBILE VACUUM ACCESSORY

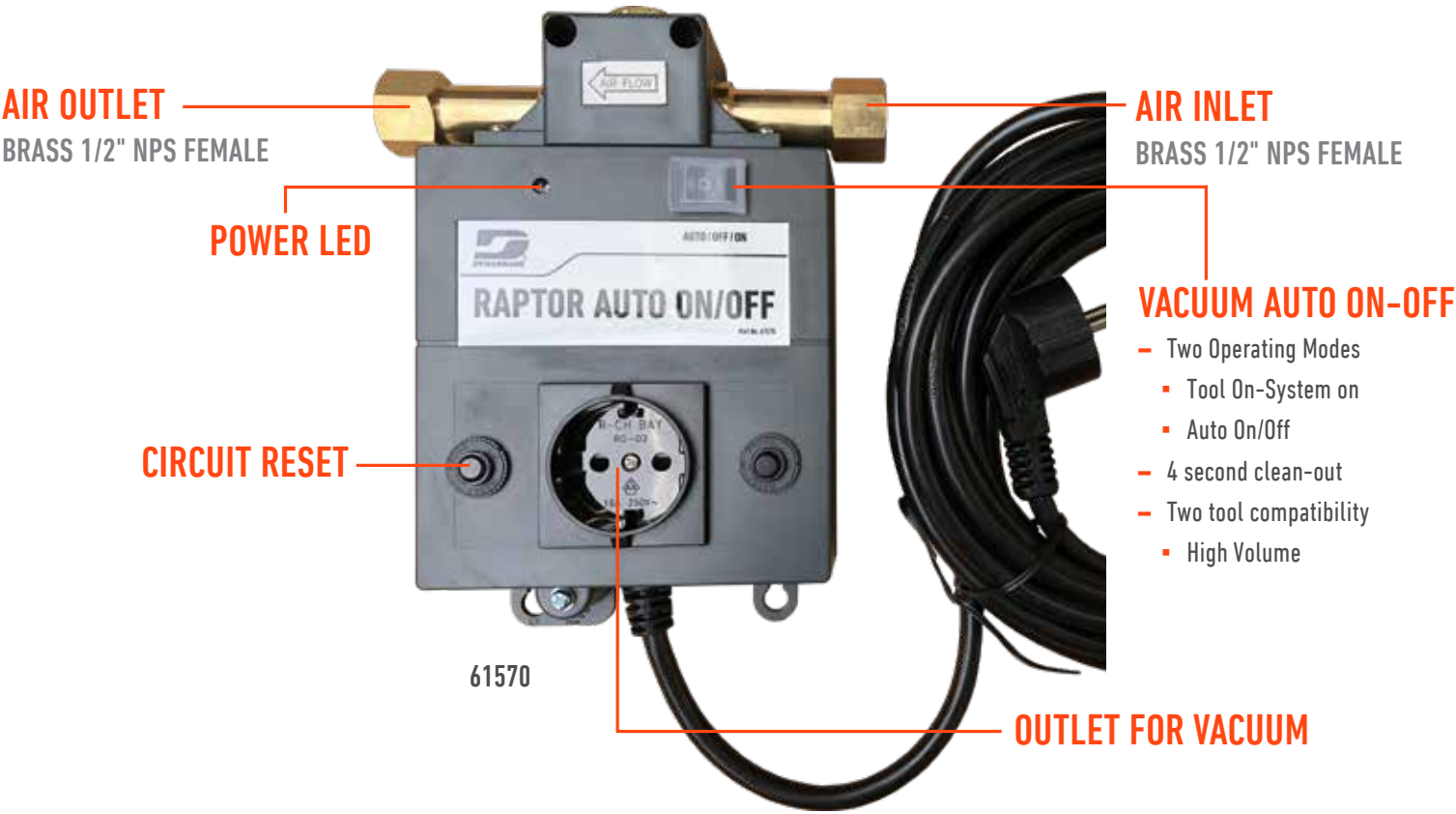
The Raptor Auto ON/OFF switches enables a pneumatic tool to turn a portable vacuum on and off. The Raptor Auto On/Off switches the AC power to a vacuum when the RA00 senses compressed air flowing to a connected tool. Once the compressed air flow stops, the Raptor Auto On/Off switches off the AC power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



AIR Y-CONNECTOR

61564

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



AIR OUTLET
BRASS 1/2" NPS FEMALE

POWER LED

CIRCUIT RESET

61570

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

SPECIFICATIONS

- Raptor Auto On/Off will switch 230 V up to 5 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.

Model No.	Max. Inlet Pressure	Min. Air Flow	Operating Temp.	Power	Mounting Hardware Kit
61570	150 PSI	5 SCFM at 90 PSI	0-30 C	5 A	No

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 6 METERS OFFERING

PLUG N' PLAY ASSEMBLY

FOR USE WITH ALL DYNABRADE VACUUM TOOLS

FULLY CONDUCTIVE ASSEMBLY

ELIMINATES POTENTIAL STATIC CHARGE

1" (25 MM) 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

- 6 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® PREMIUM PACK

ORDINARY LOCATION VACUUM SYSTEM

Designed for peak efficiency, the Premium Pack equips a single operator with a complete system for sanding and dust collection. Featuring a Vacuum Auto On/Off, the Premium Pack saves time and energy by automatically turning suction on and off with tool use.



M-Class **HEPA filter** 2 YEAR WARRANTY

INCLUDED IN PREMIUM PACK

				
Model Number	61110	61486	61982	61570
10089	•	•	•	•

MINI-RAPTOR VAC® : STANDARD PACK

MOBILE VACUUM SYSTEM

Fending off dust and creating an efficient and safe work environment begins with the Mini-Raptor Vac® – Standard Pack. The combination of Dynabrade Random Orbital Sander, Raptor Vac® and dolly provides a mobile sanding solution for dusty shops.



INCLUDED IN STANDARD PACK

Model Number				Plug
10088				EU
10088UK	.	.	.	UK

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.

STANDARD CART
COMPACT AND EASY
TO MANEUVER

MINI-RAPTOR VAC®
COMPACT & HIGH PERFORMANCE

WAND
PROVIDES 6'
EXTENDED REACH

DRAIN
CONVENIENT
LIQUID DISPOSAL



CE EAC

M-Class **HEPA** filter 2 YEAR WARRANTY

INCLUDED IN
GENERAL PURPOSE
CLEAN-UP

			
Model Number	61110	61129	96605
61106	•	•	•
61106V	•	•	





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

6167

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



PREMIUM PACK AUTO ON/OFF AND BRACKET

61666

- Raptor Auto On/Off and Premium Cart mounting 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

61186

- 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 61570 (Device Only)

- Tool use activates vacuum suction
- 1/2" Air Inlet & Outlet
- 230V



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



STREAMLINE PLUG 22638

- 320 Profile - 1/2" BSPT Male NBR +



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



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

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

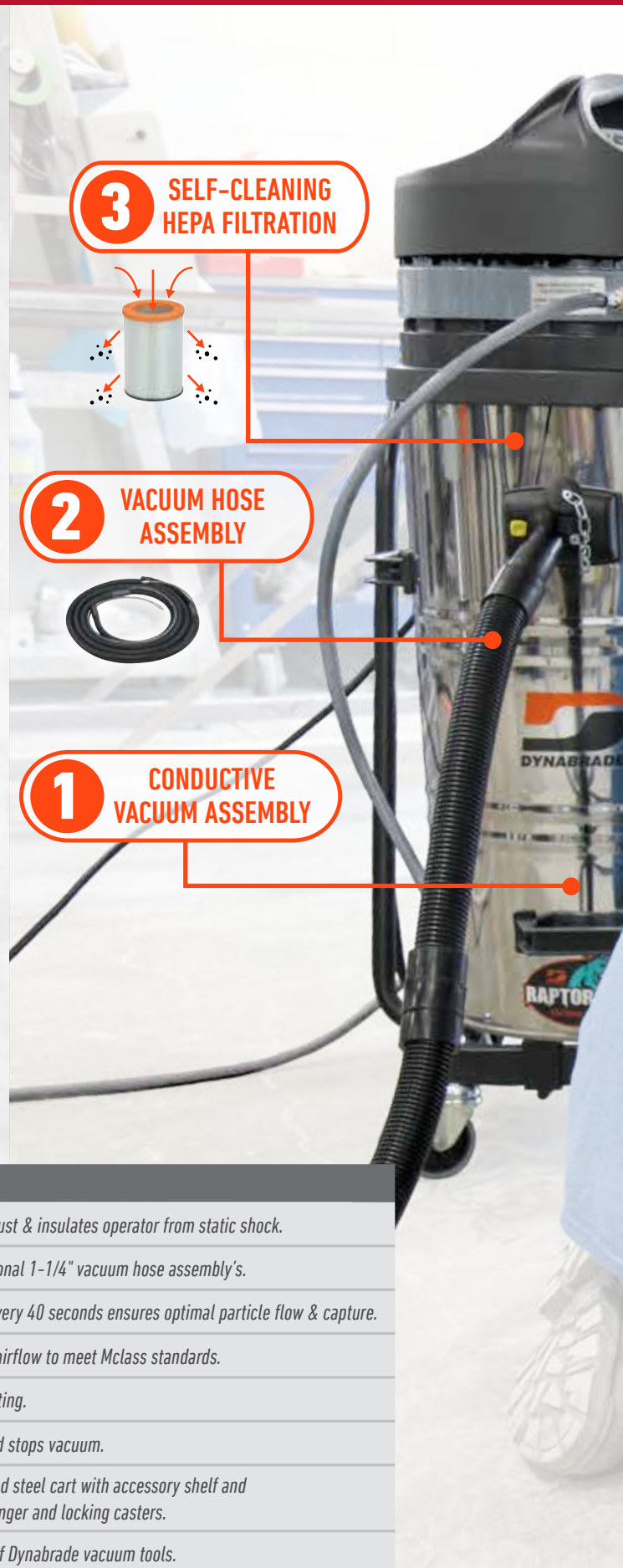
- Bypass motor utilizes clean air to cool and extend motor life.
- Overload protection powers down vacuum prior to motor failure from overheating.
- Reverse-flow filter cleaning device provides a burst of clean air through filter promoting ideal airflow for suction and extending filter life.
- Selectable 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
1 HIGH-PERFORMANCE, FULLY-CONDUCTIVE VACUUM SYSTEM	Aggressively captures dust & insulates operator from static shock.
2 6 METERS ERGONOMIC VACUUM HOSE ASSEMBLY	35% lighter than traditional 1-1/4" vacuum hose assembly's.
3 SELF-CLEANING HEPA FILTRATION	Automatic filter-blast every 40 seconds ensures optimal particle flow & capture.
4 FLOW INDICATOR LIGHT - YELLOW	Ensures proper system airflow to meet Mclass standards.
5 MOTOR OVERLOAD PROTECTION - RED	Prevents motor overheating.
6 AUTO ON/OFF	Tool operation starts and stops vacuum.
7 STANDARD & PREMIUM CART OPTIONS	Industrial: Powder coated steel cart with accessory shelf and convenient tool/hose hanger and locking casters.
8 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 13 rated stage 2 filtration ensures that the operator consistently works in a healthy environment throughout their workday.



ORDINARY LOCATION
POWERHEAD ASSEMBLY



HEPA 13 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
61409V	Yes	5A	75 liters (20 Gallon)	220-240 V (50/60 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)	EU
61403V												UK

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



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.



5.5 Amp

MANUAL CONTROL
CONTINUOUS OPERATION

OR

AUTO ON/OFF CONTROL
TOOL OPERATION CONTROLS VACUUM

ACCESSORY OUTLET

SUPPORTS ELECTRIC TOOLS (5.5 AMP)
& INCORPORATES AUTO ON/OFF FEATURE

PNEUMATIC TOOLS

SUPPORTS 2 TOOLS /OPERATORS
SIMULTANEOUSLY WITH
AUTO ON/OFF FEATURE

**REDUCED FLOW
INDICATOR**

MAINTENANCE PROMPT

**INTERNAL SELF
CLEANING SYSTEM**

AUTO FILTER CLEANING
USING COMPRESSED AIR

**SINGLE OR DUAL
OPERATOR SETTING**

MOTOR SPEED CONTROL
FOR 1 TO 2 OPERATORS

LARGE AIR SUPPLY
STANDARD 1/2" FITTING

**OVERLOAD PROTECTION
INDICATOR**

SIGNALS PRE-OVERLOAD
SHUT-OFF



**TECH
TIP**
Reduced flow indicator will help guide
the need for Filter and Bag maintenance
Replacement filters and bags available
in accessory section.

AUTO SELF-CLEANING FILTER SYSTEM

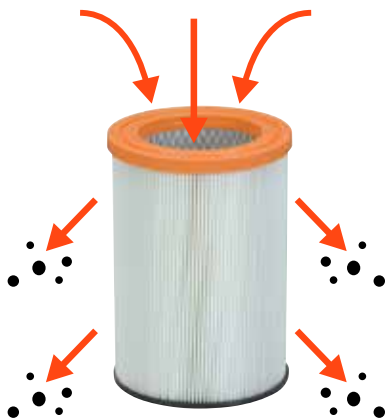
INTERNAL FUNCTION

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® PREMIUM 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

**6 METERS VACUUM
HOSE ASSEMBLIES (2)**
WITH INTEGRATED AIR LINE

LARGE WHEELS
EASILY TRANSPORT
OVER UNEVEN SURFACES

LOCKING CASTERS
STABILIZES CART



M-Class **HEPA filter** 2 YEAR WARRANTY

INCLUDED IN
PREMIUM
PACK



Model Number		61485	31972	Plug
10563	61409V	•	2	EU
10564	61403V			UK

* Pneumatic tools sold separately

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



INCLUDED IN STANDARD PACK



Model Number		31972	Plug
61409	61409V	2	EU
61403	61403V		UK



M-Class **HEPA** filter 2 YEAR WARRANTY

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
3 METERS
CONDUCTIVE HOSE

**INCLUDED
IN GENERAL
PURPOSE PACK**



Model Number		96607	Plug
10565	61409V	.	EU
10566	61403V		UK

M-Class **HEPA filter** 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

- 61608 - Replacement head for 61409 (EU)
- 61602 - Replacement head for 61403 (UK)

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

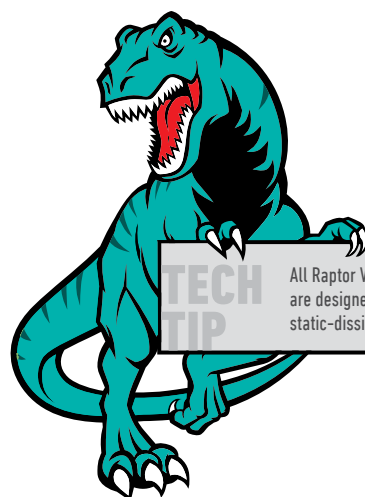
- Conductive



STAINLESS STEEL UNION

62343

- Conductive



TECH TIP

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

CATEGORY 3 VACUUMS

CATEGORY 3, ATEX ZONE 2 & 22 VACS – 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 and meet or exceed recommended best housekeeping practices. The certification process guarantees that when utilized correctly and properly maintained, Dynabrade Category 3 Clean Air Solutions will eliminate the possibility of being an ignition source. Each Category 3 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_d
Wood

F_b
Fiberglass

S_s
Solid Surface

C_m
Composite

C_f
Carbon Fiber

B_s
Brass

C_u
Copper

Al
Aluminum

S_t
Stainless Steel

C_s
Carbon Steel

	FEATURE	BENEFIT
1	CONDUCTIVE VACUUM HOSES	Ensures proper electrostatic transfer.
2	INDUSTRIAL CART	Heavy-duty compact cart.
3	CONDUCTIVE VACUUM ASSEMBLY	Category 3, Atex Zone 2 & 22 - 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 CATEGORY 3, DUAL OPERATOR (DRY COLLECTION) CATEGORY 3 ZONE 22 – CERTIFIED

Safety and fine dust capture are the specialty of Category 3 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



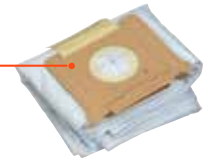
STAGE 3 FILTRATION
SD* MICRO SAFETY FILTER



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
61431	38 Liters (10 Gal.)	90 PSIG (6.2 Bar)	220-240V 50-60 Hz	1,200	5A	107" / 272 cm / 267 mbar	110 CFM (3,115 L/Min)	68 dB(A)	56 kg (122 lb)	39" (991 mm)	20" (508 mm)	27" (686 mm)	Yes
61431V									52 kg (114 lb)				No

Additional Specifications: Consult factory for available vacuum hose options.

ELECTRIC CATEGORY 3, DUAL OPERATOR (DRY COLLECTION)

CATEGORY 3 ZONE 22 - CERTIFIED

Category 3 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 CATEGORY 3, ZONE 22 - 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

6 METERS VACUUM HOSE ASSEMBLY (2)

WITH INTEGRATED AIR LINE

31972

31972



PNEUMATIC DUAL OPERATOR (DRY COLLECTION)

CATEGORY 3, ATEX ZONE 22 – CERTIFIED

Safety and fine dust capture are the specialty of Category 3 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 61441 model; it is available as a complete system in our 61448 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



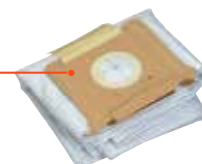
STAGE 2, MAIN FILTER

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
61441	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
61441V							94 lb (43 kg)				-

Additional Specifications: Consult factory for available vacuum hose options.

PNEUMATIC DUAL OPERATOR (DRY COLLECTION)

CATEGORY 3, ATEX ZONE 22 - 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 CATEGORY 3, ZONE 22 - CERTIFIED



6 METERS VACUUM HOSE ASSEMBLY (2)
WITH INTEGRATED AIR LINE



ELECTRIC GENERAL PURPOSE (DRY COLLECTION)

CATEGORY 3, ATEX ZONE 22 - 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





European Countries:
ATEX Third Party Certified
CE EX II 1/3 D
Ex tc IIIC T200°C Dc IP6X c T3

Model No.	Capacity	Air Inlet Pressure	Voltage/Frequency	Watts	Amp	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes 2 Hoses
61617	10 Gal. (38 Liters)	90 PSIG (6.2 Bar)	220-240V 50-60Hz	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 GENERAL PURPOSE (DRY COLLECTION)

CATEGORY 3, ATEX ZONE 22 - 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



European Countries:
ATEX Third Party Certified
CE EX II 3 GD c IIC T6 (85°C)

Model No.	Capacity	Air Inlet Pressure	Air Consumption	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61618	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

CATEGORY 3 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

62802

- Replacement Vacuum Head



PNEUMATIC VACUUM HEAD

61446

- 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



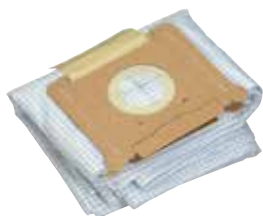
STAINLESS STEEL UNION

62343

- Allows connection
between
components

CATEGORY 3 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
- Dimensions: 3/4" (19 mm) dia. x 7.6 meters



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

CATEGORY 2 VACUUMS

CATEGORY 2 FOR ATEX ZONE 1 & 21 – 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 Category 2 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_t
Aluminum

S_t
Stainless Steel

C_s
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 Category 2 for ATEX zone 1 & 21 – certified.
6	SINGLE OPERATOR AIR SUPPLY TO TOOL	Plug-N'-Play tool support.

3 POWERFUL PNEUMATIC VENTURI

2 ERGONOMIC BACK-PACK

1 CONDUCTIVE VACUUM HOSE





4

**SINGLE
OPERATOR INLET**

5

**CONDUCTIVE
PNEUMATIC VACUUM**

6

**SINGLE OPERATOR
AIR SUPPLY TO TOOL**

PNEUMATIC CATEGORY 2, SINGLE OPERATOR (DRY COLLECTION) CATEGORY 2 FOR ATEX ZONE 1 & 21 – CERTIFIED

Safety and fine dust capture are the specialty of Category 2 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
61471	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)
61471V								20 Lb (9 kg)			
61473								28 Lb (13 kg)			
61473V								20 Lb (9 kg)			



61471



*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" (12 mm) x 2' (60 cm) Conductive Air Line



31990

PNEUMATIC CATEGORY 2 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" (12 mm) x 25' (7,6 m) Conductive Air Line



31955



61473



European Countries:
ATEX Third Party Certified
CE EX II 2 GD c IIC T6 (85° C)

PNEUMATIC CATEGORY 2 GENERAL PURPOSE (DRY COLLECTION) CATEGORY 2 FOR ATEX ZONE 1 & 21 – CERTIFIED

Safety and fine dust capture are the specialty of Category 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 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
61678	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)
61679											



61678



*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
- Cleaning kit P/N 62831

PNEUMATIC CATEGORY 2 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:

- Composite Coupler
- Vacuum Hose Swivel Adapter
- Three Collection Bags
- Cleaning kit P/N 62832



61679



European Countries:
ATEX Third Party Certified
CE EX II 2 GD c IIC T6 (85° C)

CATEGORY 2 VACUUMS

CATEGORY 2 FOR ATEX ZONE 1 & 21 - CERTIFIED

Category 2 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 Category 2 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 Category 2 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.

A_t

Aluminum

S_t

Stainless Steel

C_s

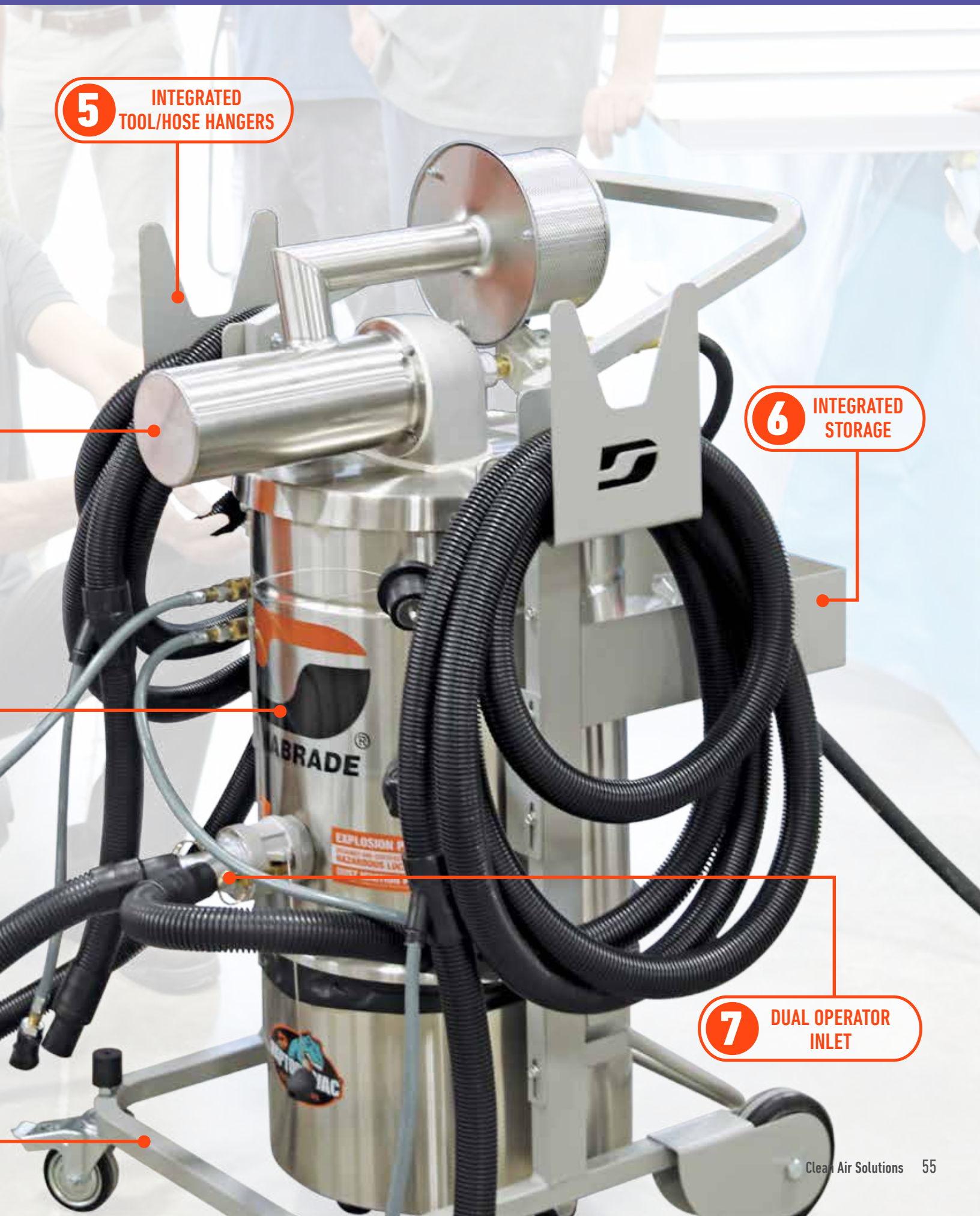
Carbon Steel

	FEATURE	BENEFIT
1	INDUSTRIAL CART	Heavy-duty compact cart.
2	CONDUCTIVE VACUUM HOSES	Ensures proper electrostatic transfer.
3	CONDUCTIVE VACUUM ASSEMBLY	Supports Class II, Category 2 Location - Certified.
4	POWERFUL VENTURI SYSTEM	Maximized lift and flow performance.
5	INTEGRATED TOOL/HOSE HANGERS	Eliminates on floor tripping hazards.
6	INTEGRATED STORAGE	Accessory storage.
7	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 CATEGORY 2, DUAL OPERATOR (DRY COLLECTION) CATEGORY 2 FOR ATEX ZONE 1 & 21 – CERTIFIED

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

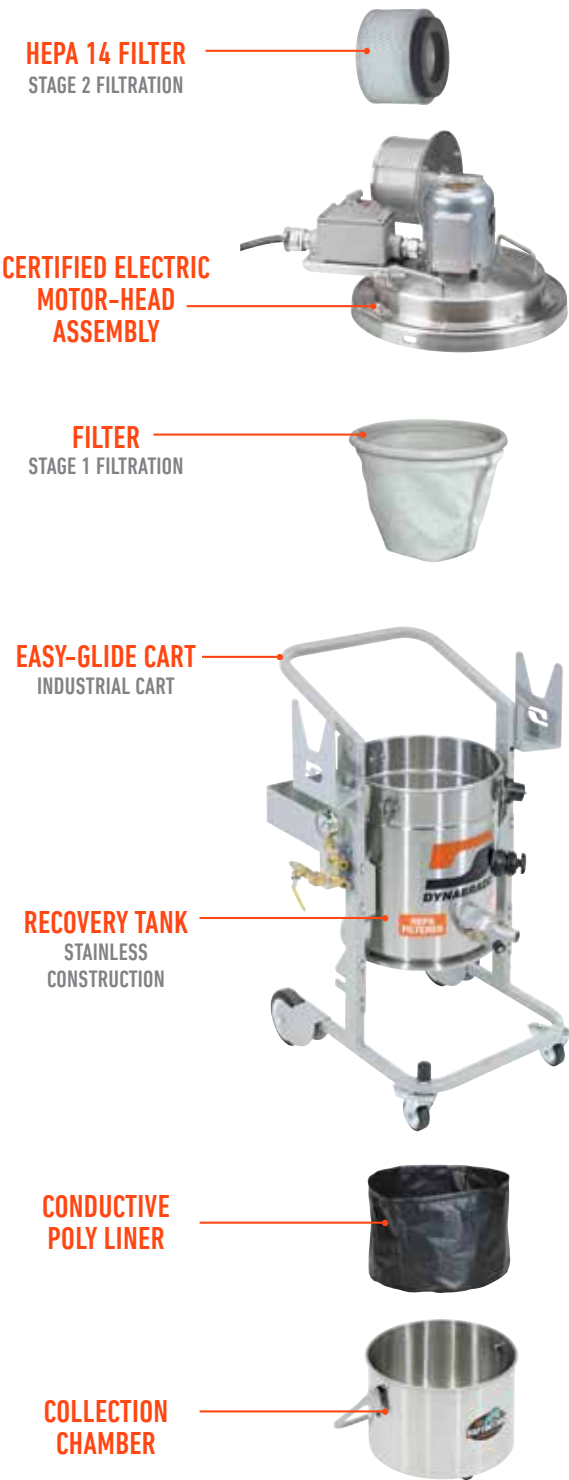
STAGES OF FILTRATION

- 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 61665 for model with Auto On/Off feature.



*Head Replacement - 61769



Model No.	Voltage/ Frequency	Capacity	AMP	Power	Dust Recovery	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61451	220-240V 50/60 Hz	6.25 Gallon (24 Liter)	4.5	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
61451V									171 lb (78 kg)				-

Additional Specifications: Consult factory for available vacuum hose options.

ELECTRIC CATEGORY 2, DUAL OPERATOR (DRY COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - 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

6 METERS VACUUM HOSE ASSEMBLY

WITH INTEGRATED AIR LINE

CERTIFIED EXPLOSION PROOF MOTOR

MANUAL FILTER SHAKE

ENSURES PROPER AIRFLOW



European Countries:
ATEX Third Party Certified
CE EX II 2 GD Ex d IIA T3 Gb
Ex t IIIC T 200° C Db IP 6X

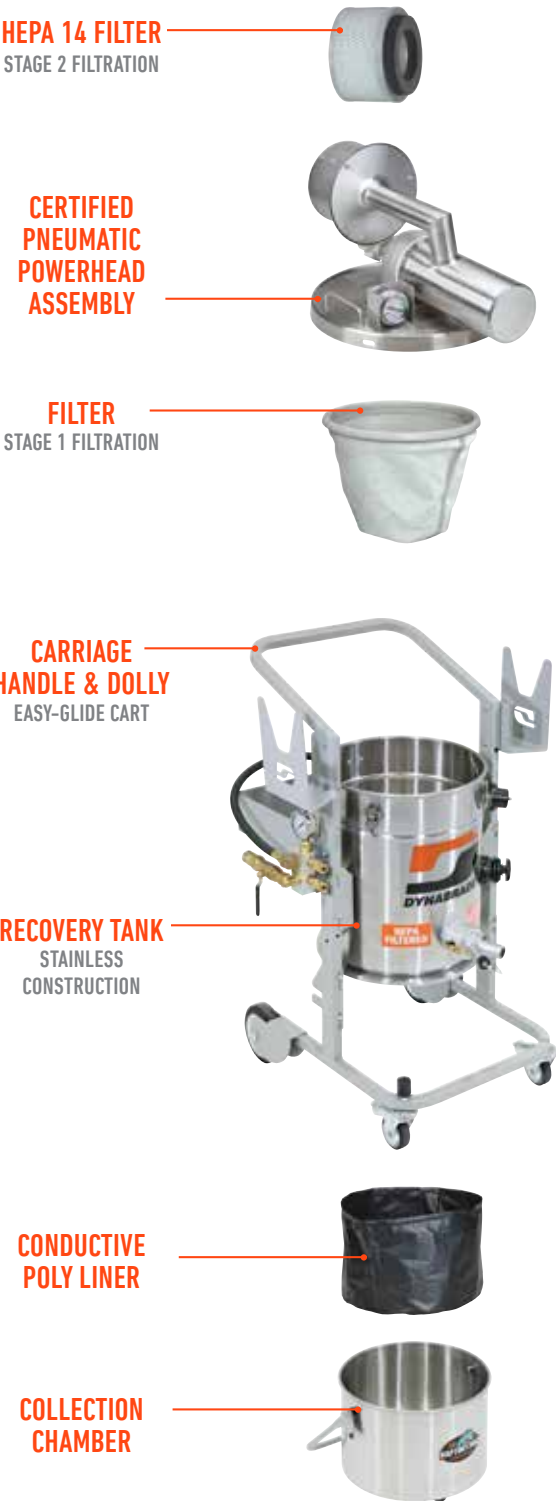
PNEUMATIC CATEGORY 2, DUAL OPERATOR (DRY COLLECTION) CATEGORY 2, ATEX ZONE 1 & 21 – CERTIFIED

Safety and fine dust capture are the specialty of Category 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 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 61468 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
61466	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
61466V								160 lb (73 kg)				-

Additional Specifications: Consult factory for available vacuum hose options.

PNEUMATIC CATEGORY 2, DUAL OPERATOR (DRY COLLECTION)

SUPPORTS CATEGORY 2 FOR ATEX ZONE 1 & 21 - 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" (19 mm) x 25' (7,6 m) Conductive Air Line

HOSE/TOOL HANGERS

ELIMINATES ON FLOOR
TRIPPING HAZARDS

INTEGRATED STORAGE

SUPPORTS 2 OPERATORS

CLICK N' DROP

CLEAN-OUT CHAMBER ACCESS

6 METERS VACUUM HOSE ASSEMBLY

WITH INTEGRATED AIR LINE

CERTIFIED EXPLOSION PROOF MOTOR VENTURI SYSTEM

INDUSTRIAL CART HEAVY-DUTY COMPACT CART

CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CATEGORY 2 FOR
ATEX ZONE 1 & 21 - CERTIFIED

LOCKING CASTERS

31972

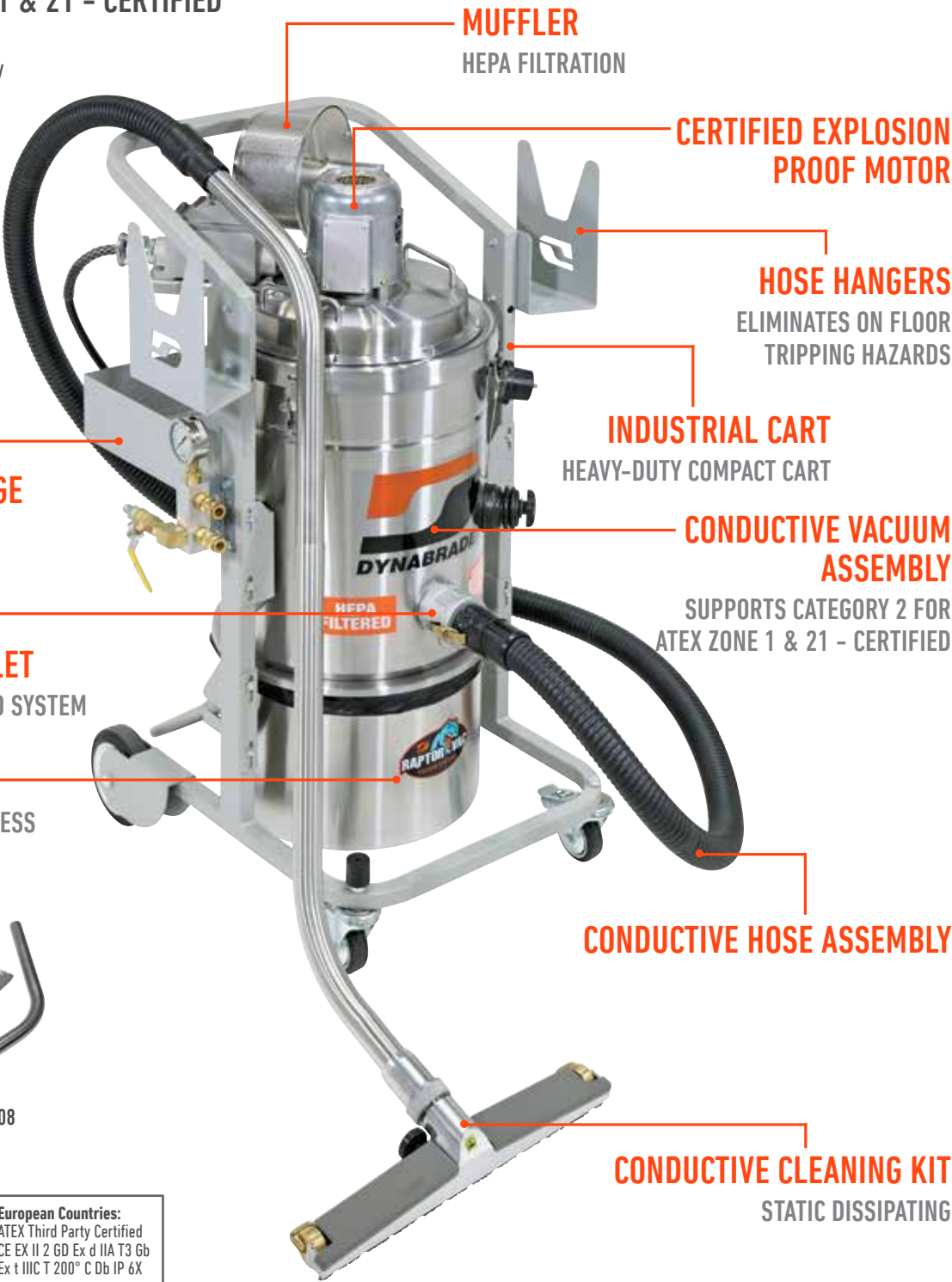
31972



ELECTRIC CATEGORY 2 GENERAL PURPOSE (DRY COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - CERTIFIED

Eliminating the nuisance of everyday dust while creating an efficient and safe Category 2 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.



INTEGRATED STORAGE
ACCESSORY STORAGE

CAM-LOCK HOSE INLET
SECURES VACUUM HOSE TO SYSTEM

CLICK N' DROP
CLEAN-OUT CHAMBER ACCESS



*Conductive cleaning kit included - 96608

European Countries:
ATEX Third Party Certified
CE EX II 2 GD Ex d IIA T3 Gb
Ex t IIIC T 200° C Db IP 6X

Model No.	Voltage/ Frequency	Capacity	AMP	Dust Recovery	Watts	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length
61672	220-240V / 50-60Hz	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 CATEGORY 2 GENERAL PURPOSE (DRY COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - 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 CATEGORY 2
FOR ATEX ZONE 1 & 21 - CERTIFIED



*Conductive cleaning kit included - 96608



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
61673	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)

CATEGORY 2 COMPACT IMMERSION SEPARATOR

CATEGORY 2, ATEX ZONE 1 & 21 - 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.

Al Aluminum	St Stainless Steel	Cs Carbon Steel	Ti Titanium	Mg 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, ATEX zone 1 & 21-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



5

INDUSTRIAL
CART

6

POWERFUL VENTURI
SYSTEM

31990

ELECTRIC CATEGORY 2, SINGLE OPERATOR (WET COLLECTION) CATEGORY 2, ATEX ZONE 1 & 21 – 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 Category 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 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.



COALESCING HEPA 14 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.	Voltage/ Frequency	AMP	Power	Dust Recovery	Water Static Lift	Air Flow	Sound	Shipping Weight	Height	Width	Length	Includes Hoses
61511	220-240V / 50-60Hz	4.5A	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
61511V								71 Lb (32 kg)				-

ELECTRIC CATEGORY 2, SINGLE OPERATOR (WET COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - 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 CATEGORY 2, ATEX
ZONE 1 & 21 - CERTIFIED

**EXPLOSION PROOF
ELECTRIC MOTOR**
SUPPORTS CATEGORY 2, ATEX
ZONE 1 & 21 - CERTIFIED

**CONDUCTIVE VACUUM
ASSEMBLY**
SUPPORTS CATEGORY 2, ATEX
ZONE 1 & 21 - 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

LIQUID LEVEL SIGHT
ENSURES PROPER
OPERATING LEVELS

**KIDNEY BAG
COLLECTION**
UP TO 1,3 KG OF
RECOVERED DUST



PNEUMATIC CATEGORY 2, SINGLE OPERATOR (WET COLLECTION) CATEGORY 2, ATEX ZONE 1 & 21 – CERTIFIED

Safety and fine dust capture are the specialty of Category 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 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.

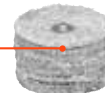
**PNEUMATIC
POWERHEAD
ASSEMBLY**



**COALESCING HEPA
14 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
61512	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
61512V							71 Lb (32 kg)				-

PNEUMATIC CATEGORY 2, SINGLE OPERATOR (WET COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - 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" (12 mm) x 25' (7,6 m) 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 CATEGORY 2, ATEX ZONE 1 & 21 - CERTIFIED

CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CATEGORY 2, ATEX ZONE 1 & 21 - CERTIFIED

LIQUID LEVEL SIGHT

ENSURES PROPER OPERATING LEVELS

IMMERSION CHAMBER

RENDERS HAZARDOUS DUST INERT

KIDNEY BAG COLLECTION

UP TO 3 LBS OF RECOVERED DUST



ELECTRIC CATEGORY 2 GENERAL PURPOSE (WET COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - CERTIFIED

Eliminating the nuisance of everyday dust while creating an efficient and safe category 2 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



European Countries:
ATEX Third Party Certified
CE EX II 2 GD Ex d IIA T3 Gb
Ex t IIIC T 200° C Db IP 6X

INDUSTRIAL CART
HEAVY-DUTY COMPACT CART

**CERTIFIED EXPLOSION
PROOF MOTOR**

**CONDUCTIVE VACUUM
ASSEMBLY**
SUPPORTS CATEGORY 2, ATEX
ZONE 1 & 21 - CERTIFIED

**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
61693	220-240V / 50-60Hz	1 Gallon (3.8 Liter)	4.5A	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 CATEGORY 2 GENERAL PURPOSE (WET COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - CERTIFIED

This Category 2 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 CATEGORY 2, ATEX
ZONE 1 & 21 - 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



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
61694	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

CATEGORY 2 LARGE IMMERSION SEPARATOR

CATEGORY 2, ATEX ZONE 1 & 21 - 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.

Al Aluminum	St Stainless Steel	Cs Carbon Steel	Ti Titanium	Mg 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 Category 2, ATEX zone 1 & 21 - 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 Category 2, ATEX zone 1 & 21 - 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

31972

5

COALESCING
FILTER

6

TOOL/HOSE
HANGERS

7

CONDUCTIVE
VACUUM ASSEMBLY

8

IMMERSION
CHAMBER

DYNABRADE

IMMERSION
SEPARATOR
SYSTEM

RAPTOR

31972

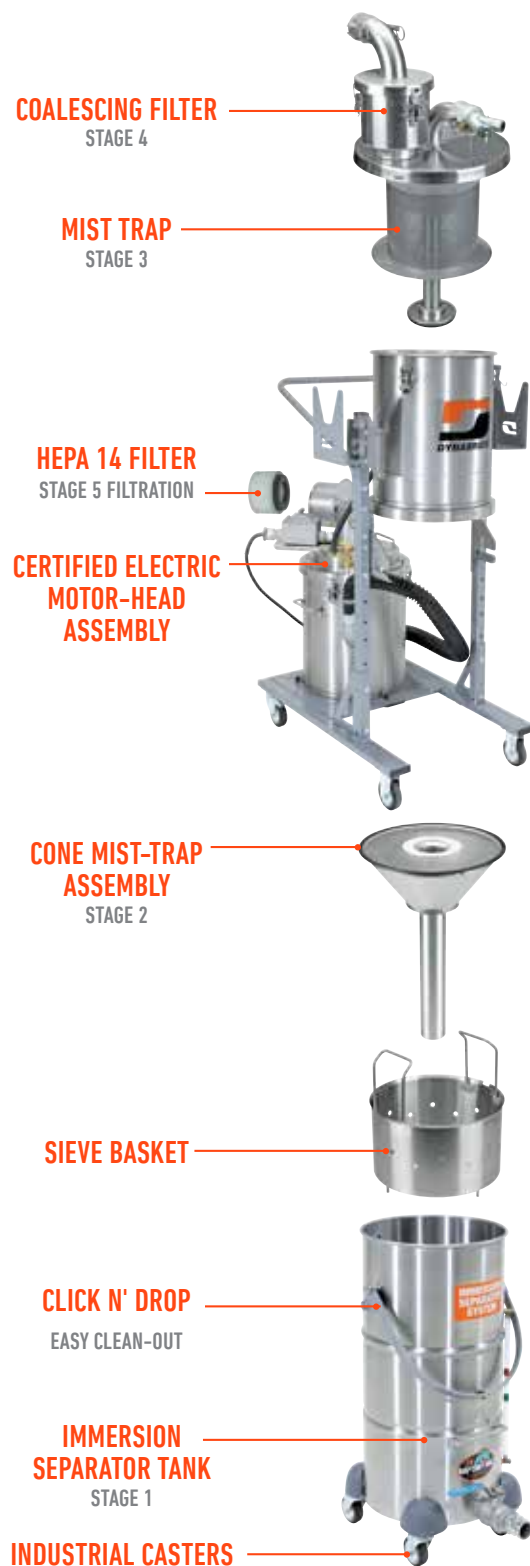
ELECTRIC CATEGORY 2, DUAL OPERATOR (WET COLLECTION) CATEGORY 2, ATEX ZONE 1 & 21 – CERTIFIED

Electric Portable Vacuum with Category 2 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
61462	220-240V 50-60Hz	7.9 Gallon (30 Liter)	4.5A	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
61462V									212 Lb (96 kg)				-

ELECTRIC CATEGORY 2, DUAL OPERATOR (WET COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - 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 CATEGORY 2, ATEX
ZONE 1 & 21 - CERTIFIED

LIQUID LEVEL SIGHT

INDICATES 9KG
LEVEL REACHED

DRAIN PORT

EASE OF LIQUID
CHANGE-OUT

**6 METERS VACUUM
HOSE ASSEMBLY**
WITH INTEGRATED AIR LINE

31972

31972



European Countries:
ATEX Third Party Certified
CE EX II 2 GD Ex d IIA T3 Gb
Ex t IIIC T 200° C Db IP 6X

PNEUMATIC CATEGORY 2, DUAL OPERATOR (WET COLLECTION) CATEGORY 2, ATEX ZONE 1 & 21 – CERTIFIED

Pneumatic Portable Vacuum with Category 2 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 – Protects the venturi from oil contamination.
- 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
61464	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
61464V								122 Lb (55 kg)				-

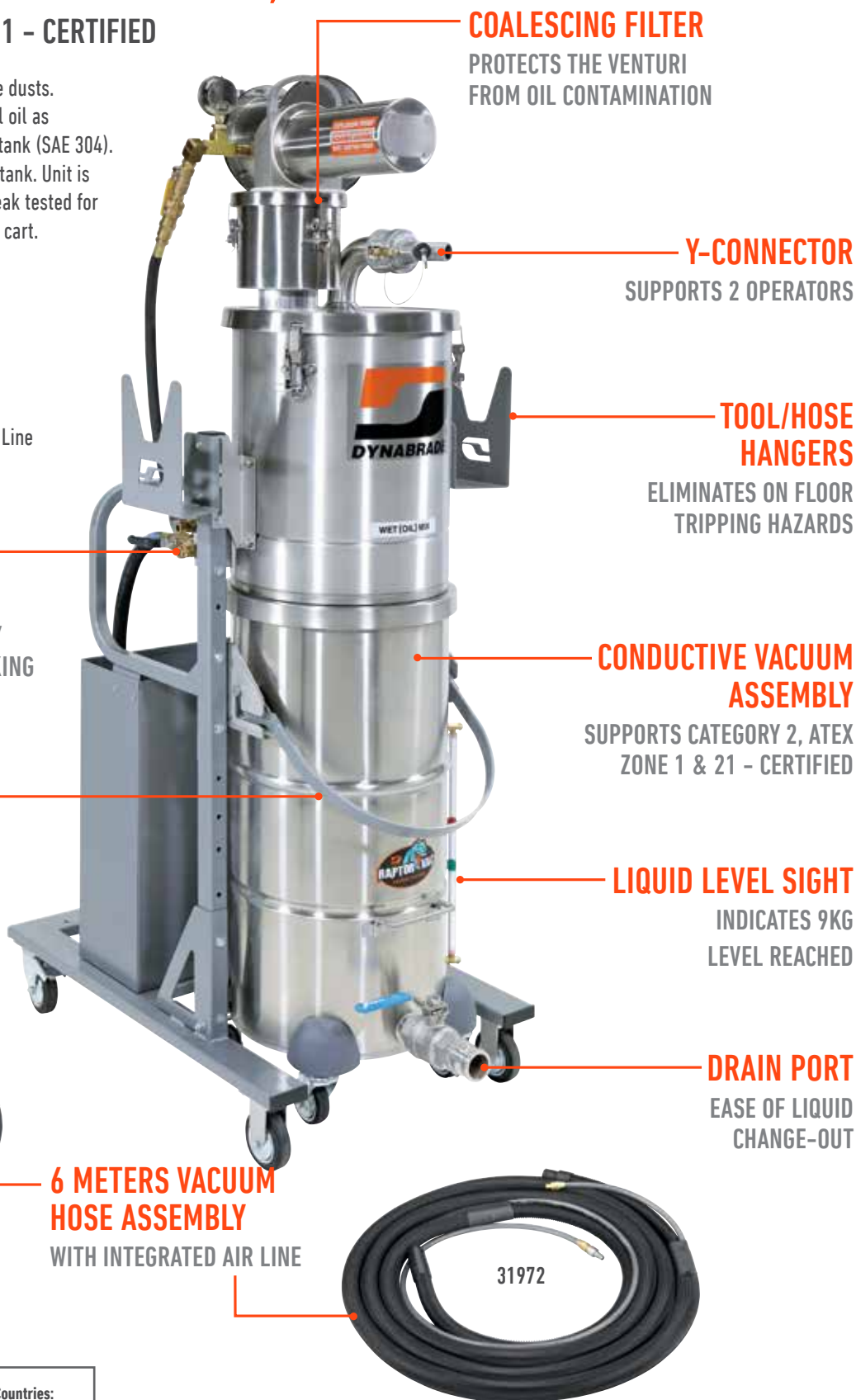
PNEUMATIC CATEGORY 2, DUAL OPERATOR (WET COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - 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" (19 mm) x 25' (7.6 m) Conductive Air Line



COALESCING FILTER

PROTECTS THE VENTURI
FROM OIL CONTAMINATION

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 CATEGORY 2, ATEX
ZONE 1 & 21 - CERTIFIED

ONE-CLICK LEVER RELEASE

EASY ACCESS FOR
MATERIAL REMOVAL

LIQUID LEVEL SIGHT

INDICATES 9KG
LEVEL REACHED

DRAIN PORT

EASE OF LIQUID
CHANGE-OUT

6 METERS VACUUM HOSE ASSEMBLY

WITH INTEGRATED AIR LINE

31972

31972



ELECTRIC CATEGORY 2 GENERAL PURPOSE (WET COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - CERTIFIED

Eliminating the nuisance of high volume production dust while creating an efficient and safe Category 2 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

COALESCING FILTER

PROTECTS THE VENTURI FROM OIL CONTAMINATION

VACUUM INLET

GP CLEAN-UP

TOOL/HOSE HANGERS

ELIMINATES ON FLOOR TRIPPING HAZARDS

CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CATEGORY 2, ATEX ZONE 1 & 21 - CERTIFIED

LIQUID LEVEL SIGHT

INDICATES 9KG LEVEL REACHED

DRAIN PORT

EASE OF LIQUID CHANGE-OUT

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 Hoses
61687	220-240V / 50-60Hz	7.9 Gallon (30 Liter)	4.5A	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

PNEUMATIC CATEGORY 2 GENERAL PURPOSE (WET COLLECTION)

CATEGORY 2, ATEX ZONE 1 & 21 - CERTIFIED

This Category 2 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

PROTECTS THE VENTURI FROM OIL CONTAMINATION

VACUUM INLET

GP CLEAN-UP

TOOL/HOSE HANGERS

ELIMINATES ON FLOOR TRIPPING HAZARDS

CONDUCTIVE VACUUM ASSEMBLY

SUPPORTS CATEGORY 2, ATEX ZONE 1 & 21 - CERTIFIED

LIQUID LEVEL SIGHT

INDICATES 9KG LEVEL REACHED

DRAIN PORT

EASE OF LIQUID CHANGE-OUT

CONDUCTIVE CLEANING KIT

STATIC DISSIPATING



*Conductive cleaning kit included - 96608



European Countries:
ATEX Third Party Certified
CE EX II 2 GD c IIC T6 (85° C)

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
61688	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

CATEGORY 2 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 61511 and
61512 (3-pack)



MULTIMETER

62591



CONICAL NOSE ASSEMBLY

62736



VACUUM HOSE ASSEMBLY

- 62734 - 10'(3m), 2"(50mm) Cam Lock
- 61999 - 10'(3m), 1-1/2"(38mm) 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)

CATEGORY 2 VACUUM ACCESSORIES

BUILD THE SYSTEM TO MEET YOUR NEEDS



HEPA FILTER/EXHAUST

62585

- For use with 61451, 61466, 61462 and 61464



HEPA FILTER

61907

- For use with Raptor Vac® Compact Immersion 61511 and 61512



COALESCING FILTER

62681

- HEPA 14
- For use with Raptor Vac® Immersion 61464



MESH FILTER

62965

- Mist Tra
- For use with Raptor Vac® Compact Immersion 61511 and 61512



CONDUCTIVE POLY LINER

62635

- 5-Pack
- For use with Raptor Vac® 61451 and 61466



1" ERGONOMIC VACUUM HOSE ASSEMBLY

31990

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



3/4" (19 MM) X 25' (7.6 M)" AIR SUPPLY HOSE

62449

- For use with 61451, 61466, 61462 and 61464
- Grounded air line for use with Raptor Vac® 61511 and 61512

DUST EXTRACTION ARMS:

8" HOOD - ROUND

62840 - For Models 61451 & 61466

62843 - For Models 61462 & 61464

- Aluminum Hood



9" X 13" HOOD - RECTANGULAR

62842 - For Models 61451 & 61466

62845 - For Models 61462 & 61464

- Polycarbonate Hood



15" HOOD - ROUND

62841 - For Models 61451 & 61466

62844 - For Models 61462 & 61464

- Polycarbonate Hood



VACUUM ACCESSORIES

PNEUMATIC WALL-MOUNT & BACKPACK MODELS 61471 & 61473



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" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
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.

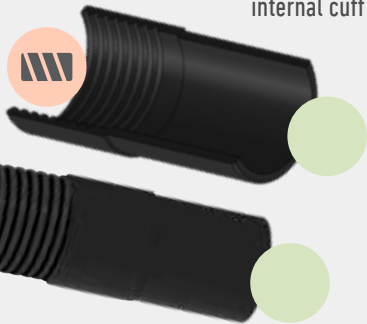


Section view represents internal cuff



Represents 1-1/4" (32 mm)

Section view represents internal cuff




Represents 1-1/4" (32 mm) Smooth Bore Connection


31921
1" (25 mm) 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.

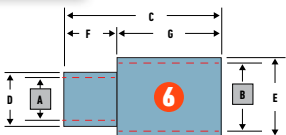
4 THREAD ICON - Indicates threaded connection.

5 SWIVEL ICON - Indicates swivel feature.

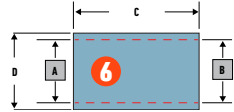
6 DIMENSIONED CUFF DIAGRAM - Provides full detailed dimensions for utilizing a single cuff or pairing cuffs together to transition between vacuum hose diameters.

ACTIVE VACUUM HOSE CUFFS
IONS TO MATCH VARIOUS SYSTEMS

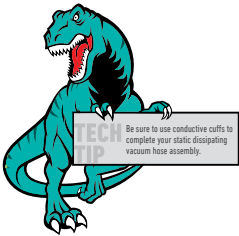
Looking to pair one of Dynabrade's 150+ vacuum tools to one of our portable systems or to a facilities already existing Central Vac System, we have a variety of the right connection. Drawing dangerous static electricity away from the operator off to tool connection. This conductive cuff offering is designed 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"	1.25"	3.50"	1.58"	2.13"	1.50"	2.00"
31902		1.00"	1.25"	1.25"	1.25"	3.50"	1.50"	1.80"	1.50"	2.00"
31904	5	1.25"	1.25"	1.25"	1.25"	3.50"	1.44"	1.80"	1.44"	2.06"
31907		1.00"	1.25"	1.25"	1.25"	3.88"	1.38"	1.80"	1.50"	2.38"
31908		N/A	0.75"	0.75"	0.75"	2.00"	0.88"	1.17"	0.75"	1.25"
31914	8	1.25"	1.50"	1.50"	1.50"	3.75"	1.75"	2.13"	1.88"	1.88"
31916		1.00"	1.25"	1.25"	1.25"	3.88"	1.58"	1.80"	1.50"	2.38"
31959		1.25"	1.25"	1.25"	1.25"	4.00"	1.80"	1.90"	1.50"	2.50"
62544	N/A	1.00"	1.50"	1.50"	1.50"	3.13"	1.19"	1.80"	1.19"	1.94"
E11659		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"	1.25"
77180	8	1.00"	0.75"	0.75"	0.75"	2.31"	1.25"
31992		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" (19 mm)		31925
1" (specify length)	1" (25 mm)		31921
1-1/4" (specify length)	1-1/4" (32 mm)		31920
1-1/2" (specify length)	1-1/2" (38 mm)		31923



- 3/4" (19 mm) Conductive Vacuum Hose.



- 1" (25 mm) Conductive Vacuum Hose.



- 1-1/4" (32 mm) Conductive Vacuum Hose.






- 1-1/2" (38 mm) Conductive Vacuum Hose.

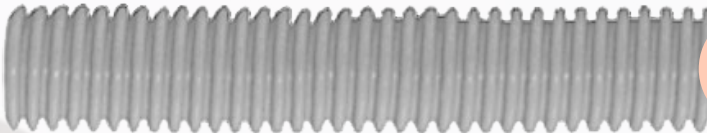


NON-CONDUCTIVE VACUUM HOSES

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.

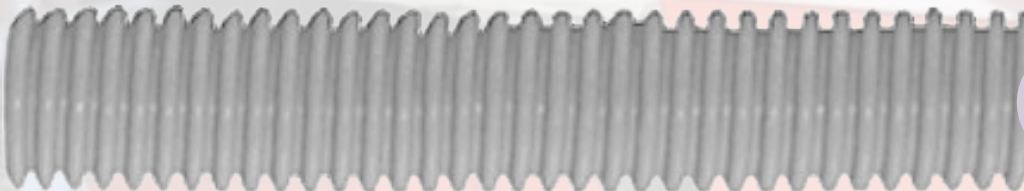
Vacuum/Tool Connection KEY			
Hose Diameter / Length	Size	Color Code	Part No.
1" (specify length)	1" (25 mm)		95395
1-1/4" (specify length)	1-1/4" (32 mm)		94891
1-1/2" (specify length)	1-1/2" (38 mm)		95847



- 1" (25 mm) Non-Conductive Vacuum Hose.



- 1-1/4" (32 mm) Non-Conductive Vacuum Hose.

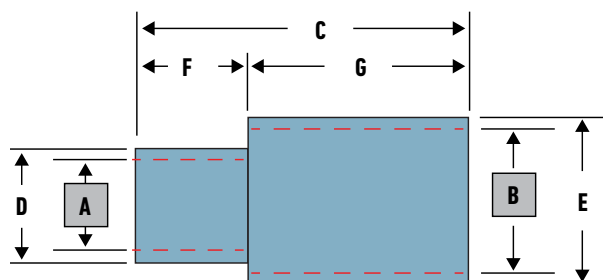


- 1-1/2" (38 mm) Non-Conductive Vacuum Hose.

CONDUCTIVE VACUUM HOSE CUFFS

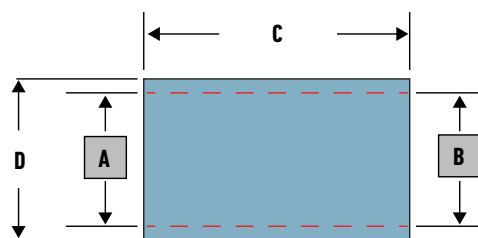
CONFIGURATIONS TO MATCH VARIOUS SYSTEMS

- 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" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
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"

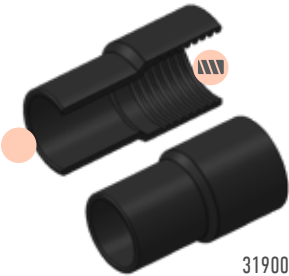


Part No.	Swivel	A	A - Side	B	B - Side	C	D
31906	N/A	N/A		1.00"		2.00"	1.50"
31909		1.25"		1.00"		2.88"	1.45"
31915		2.00"		1.50"		4.00"	2.25"
97179		1.00"		0.75"		2.31"	1.25"
97180		1.00"		0.75"		1.88"	1.25"
31992		1.00"		0.75"		2.88"	1.50"
31994		1.50"		1.25"		3.75"	1.50"



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.



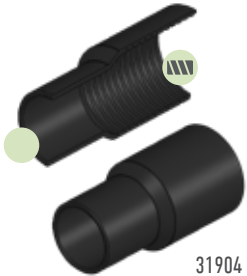
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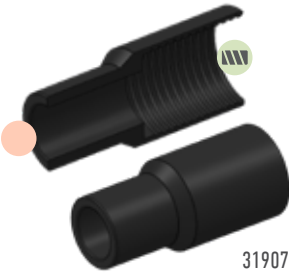
31901



31902



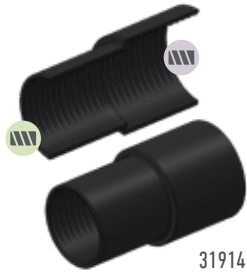
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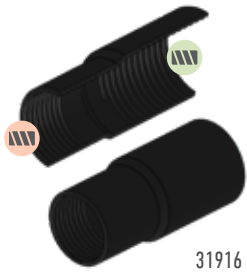
31907



31908



31914



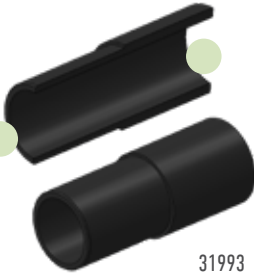
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31959



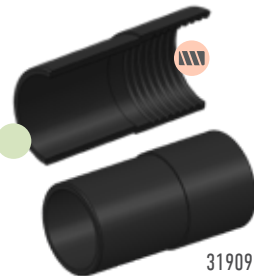
62564



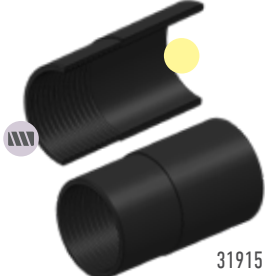
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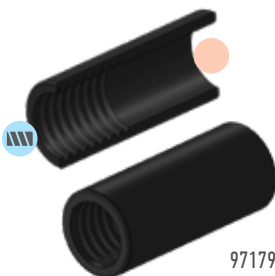
31906



31909



31915



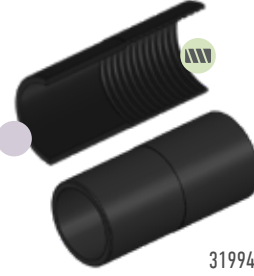
97179



97180



31992

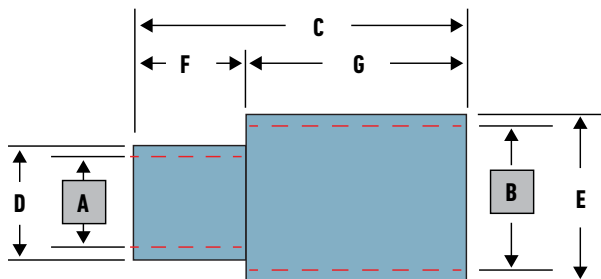


31994

NON-CONDUCTIVE VACUUM HOSE CUFFS

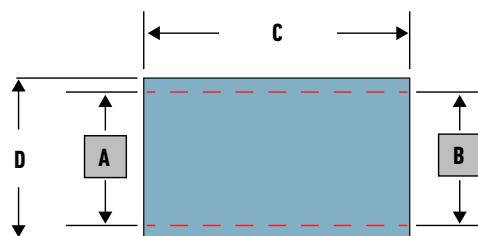
CONFIGURATIONS TO MATCH VARIOUS SYSTEMS

- 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" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Swivel Cuff	-	

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"



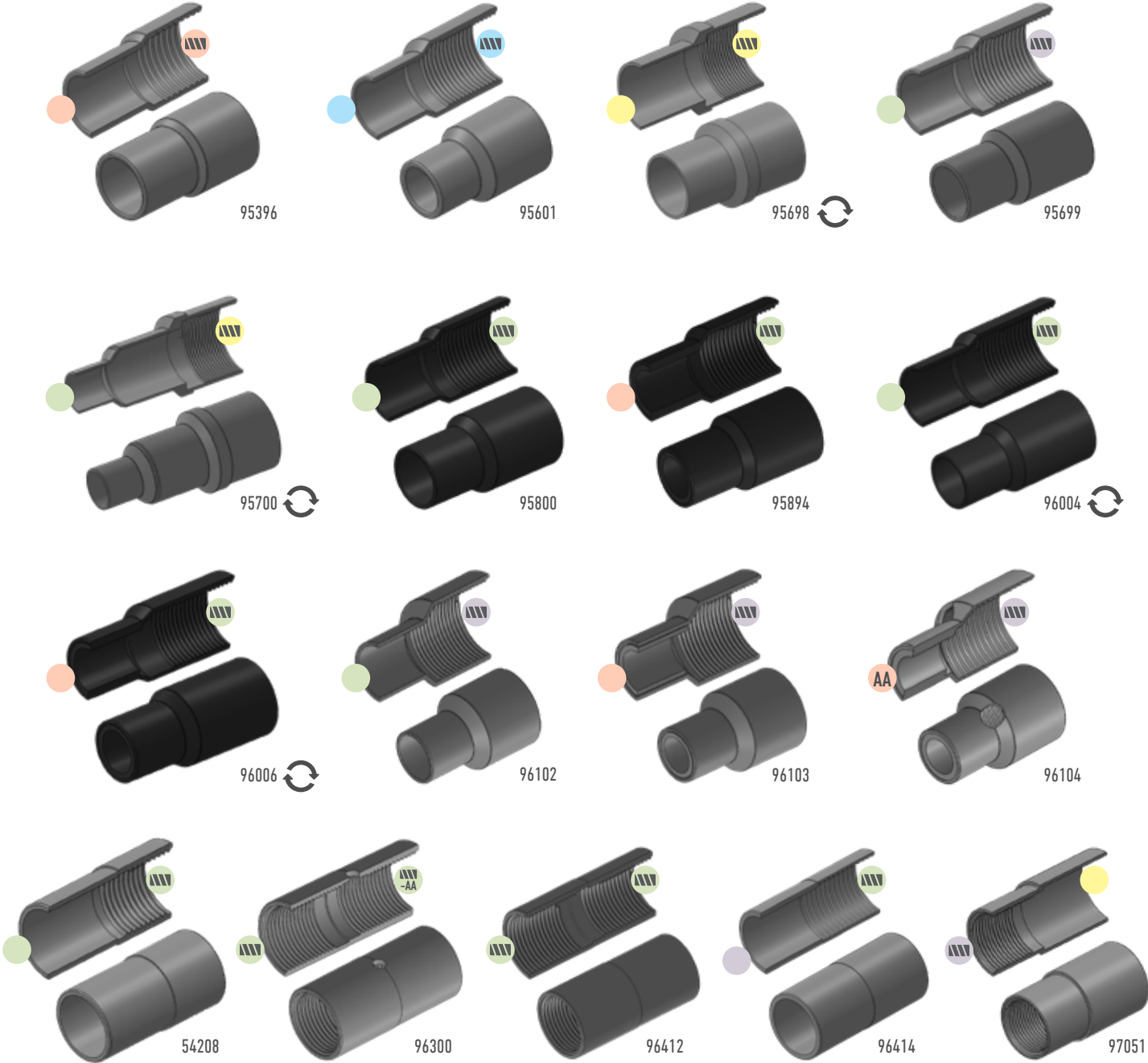
Part No.	Swivel	A	A - Side	B	B - Side	C	D
54208	N/A	1.25"		1.00"		2.88"	1.42"
96300		1.25"	- AA	1.25"		3.75"	1.80"
96412		1.25"		1.25"		3.75"	1.80"
96414		1.50"		1.25"		3.75"	1.75"

1" (25 MM)
TOOL CONNECTION



1-1/4" (32 mm) Swivel Adapter

Part No.	Vacuum Cuff
96573	



BELT TOOLS



40330



15002

ROBOTIC SANDERS



56854B



56819B



56830B



57404B



56863B



57814B



56819BK



57404BK



56830BK



57814BK



56854BK



56863BK

EXTREME SANDERS



X31V



X51V



X51VHS

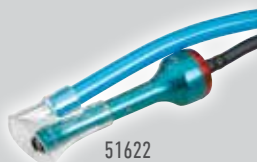


X52VHS



X62VHS

PENCIL GRINDERS



51622



51623



51629



51630



51632



51633

DIE GRINDERS

7° OFFSET



56723 / 56727 / 56739

STRAIGHT-LINE



56743 / 56747 / 56751
56755 / 56759

RIGHT ANGLE



56715 / 56719

E.S.D. SANDERS



X61ESD1

DETAIL SANDERS



58017



X51ESD

DESCALING SURFACE PREP. TOOLS

150+

E.S.D. SANDERS

SANDERS



30336 / 30337



58600 / 58602
58603 / 58652



58611 / 58651



58660 / 58661



58506



58512 / 58515



59014



56884



56863



56830



58443 / 58444



51236



50211



52903 / 52904 / 52905
52906 / 52907



53103 / 53104
53105 / 53106



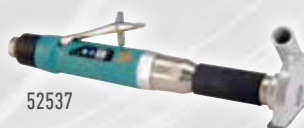
52615



49135



52538



52537



58409



NS11V



57404



52596



53278



51230



51332



51333



52418

DISC SANDERS

ROUTERS

DIAMOND CUT-OFF WHEEL TOOLS



52597



53291



52436



52438

**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" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Swivel Cuff	-	

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
X31V	3" (75 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" (125 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" (150 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				

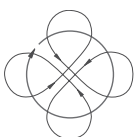
VACUUM TOOLS

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" (90 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" (125 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" (150 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" (75 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" (90 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" (125 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" (150 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)					

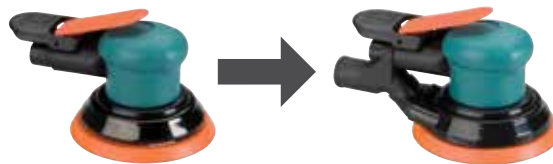


NON-VACUUM TO VACUUM CONVERSION KITS

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" (90 mm)	Central Vacuum
57120	5" (125 mm)	
57123	6" (150 mm)	



Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
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



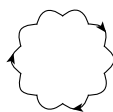
58414

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
58409	6" (150 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" (200 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" (150 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" (200 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" (280 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" (125 MM) & 6" (150 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

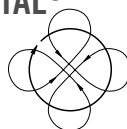
- Vacuum shroud with enclosed front maximizes dust capture in both random orbit and rotary collection.



57759
Shroud Kit Only

11" (280 MM) DIAMETER TWO-HAND DYNORBITAL[®] VACUUM

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



3/4" (19 MM) DIA. ORBIT

Achieve a Swirl-Free Finish



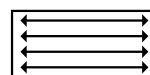
NS11V

Model No.	Pad Diameter	Orbit Dia.	RPM	Power	Air Consumption	Pad Type	Weight	Length	Height	Vacuum Connection
NS11V	11" (280 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

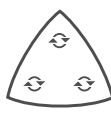
VACUUM DYNAFINE®

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

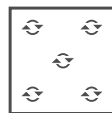
Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Swivel Cuff	-	

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



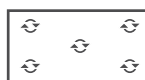
57814

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" (115 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" (125 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" (75 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" (75 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" (125 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" (180 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

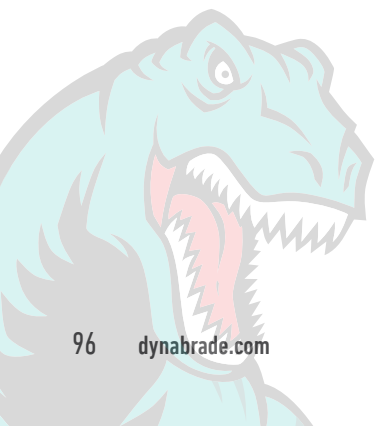


56751 / 56755

Vacuum/Tool Connection KEY

Description	Size	Color Code
Smooth Bore	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
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" (50 MM) 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" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
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" (75 MM) 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" (125 MM) & 7" (180 MM) 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)	
53279	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" (50 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" (75 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" (75 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" (75 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" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
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" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
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" (90 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" (125 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)		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)	7-3/8" (187 mm)	3-1/2" (89 mm)				
56884BK						3.4 lb (1.5 kg)		4-5/8" (117 mm)				
56830B				6" (150 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)	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)				7-7/8" (200 mm)	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.

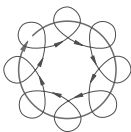
DYNORBITAL® EXTREME RANDOM ORBITAL SANDER

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®

61110V



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

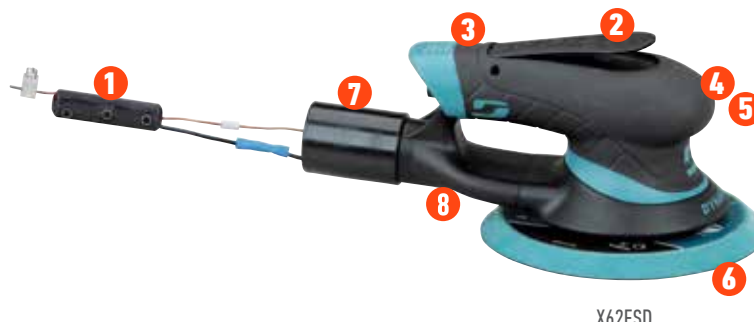


*Optional

59385 10 Ft (3 M)



Included with
E.S.D. 1 Models



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" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Swivel Cuff	-	

MODELS AVAILABLE:

Model No.	Diameter	Orbit	RPM	Ground Wire	Includes ESD Hose Assy.	Vacuum	Hp	Air Consumption	Vacuum Connection
X51ESD	5" (125 mm)	3/16" (5 mm)	12,000	Yes	No	Raptor Vac®	.3 (224 W)	19 SCFM (538 LPM)	
X51ESD1					59385				
X52ESD		3/32" (2.5 mm)			No				
X52ESD1					59385				
X61ESD	6" (150 mm)	3/16" (5 mm)	12,000	Yes	No	Raptor Vac®	.3 (224 W)	19 SCFM (538 LPM)	
X61ESD1					59385				
X62ESD		3/32" (2.5 mm)			No				
X62ESD1					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®
61466V



58602

	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)





*Optional



Included with
E.S.D. 1 Models

Vacuum/Tool Connection KEY		
Description	Size	Color Code
Smooth Bore	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
Hose Thread	3/4" (19 mm)	
	1" (25 mm)	
	1-1/4" (32 mm)	
	1-1/2" (38 mm)	
	2" (50 mm)	
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" (150 mm)	3/16" (5 mm)	10,000	Yes	No	Raptor Vac®	Lip	.25 (186 W)	12 SCFM (340 LPM)	
58602			No		.4 (298 W)			20 SCFM (566 LPM)		
58603		3/8" (10 mm)	12,000				No			
58611		3/16" (5 mm)	12,000		No		Overskirt			
58651					31927	Central Vacuum				
58652							Lip			

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®
61441V



58661



	FEATURE	BENEFIT
1	(2) 1 MEGA OHM 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" (200 mm)	3/16" (5 mm)	900	Yes	31927	Central Vacuum	Overskirt	.4 (298 W)	23 SCFM (651 LPM)	
58661					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.

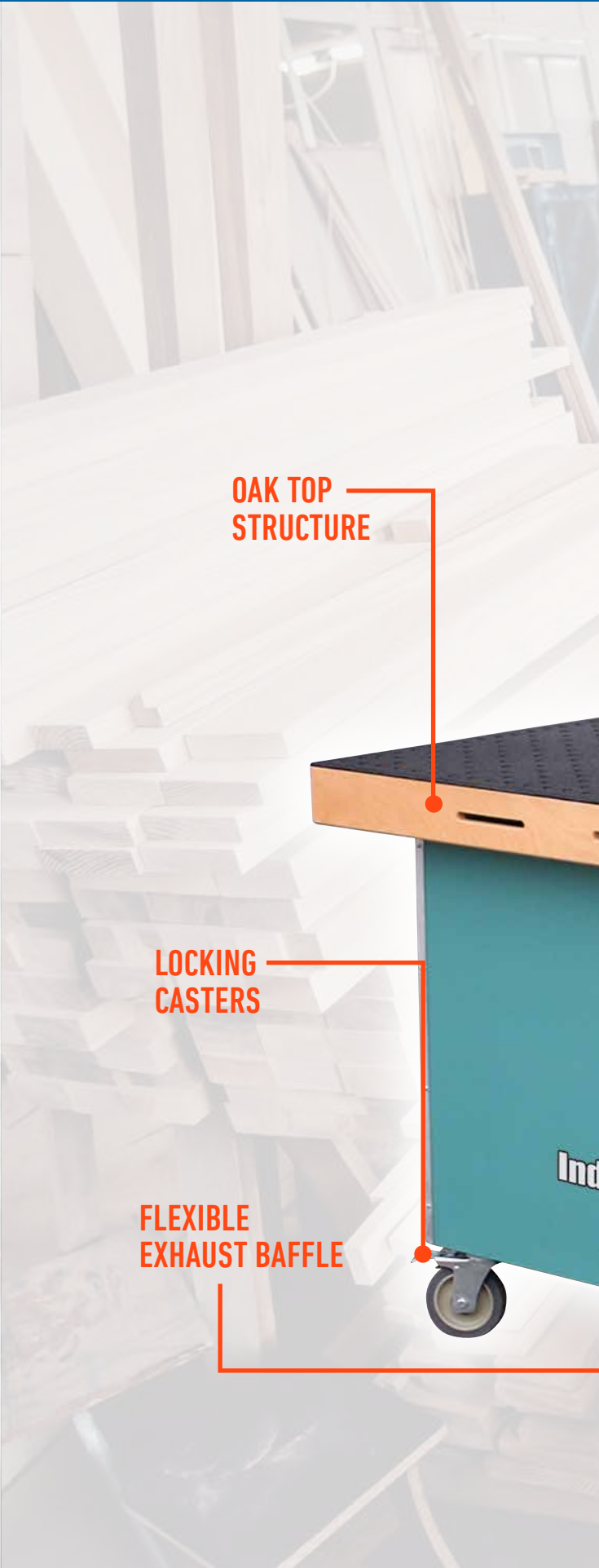
W_d
Wood

F_b
Fiberglass

S_s
Solid Surface

C_m
Composite

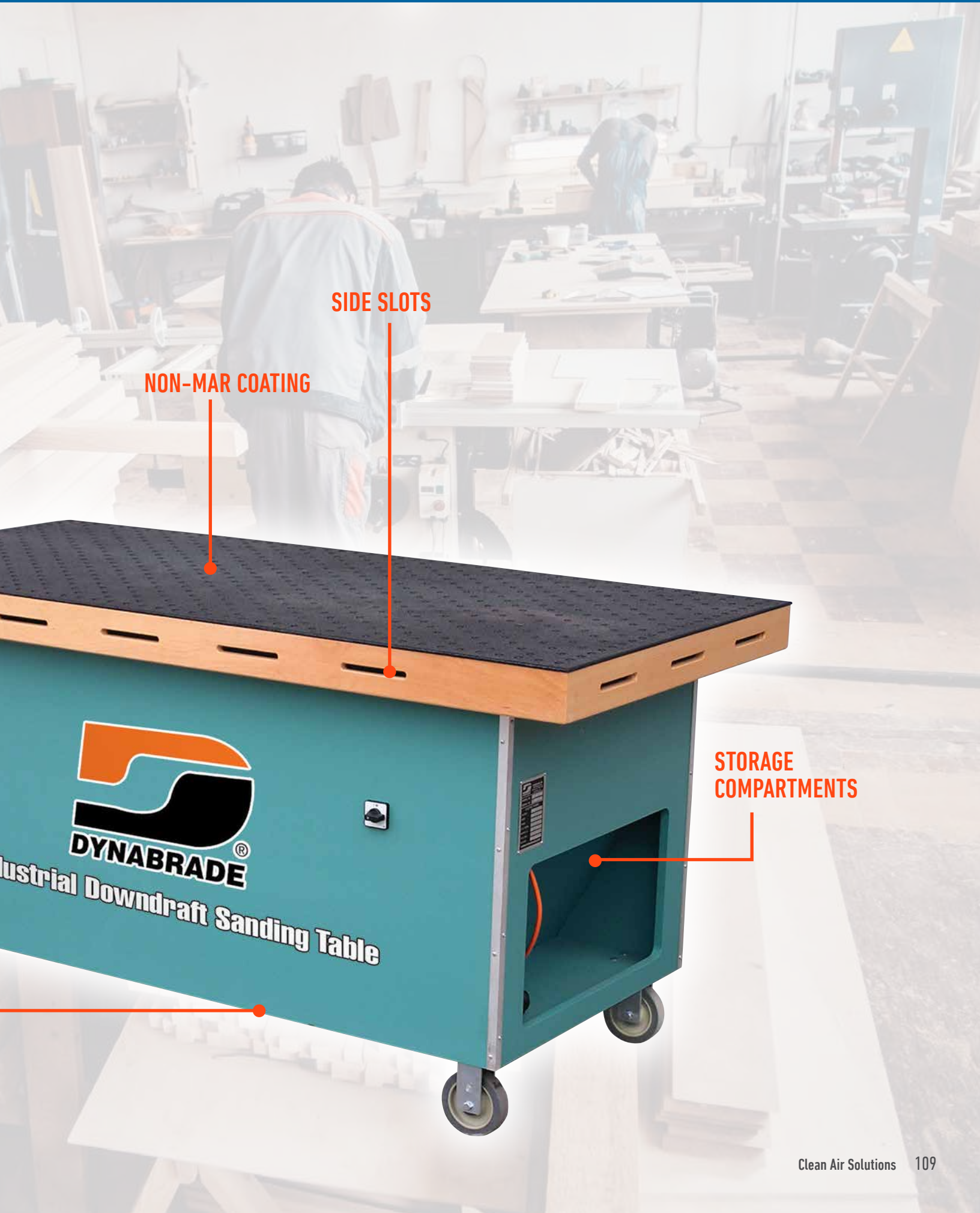
FEATURE	BENEFIT
FLEXIBLE EXHAUST BAFFLE	<i>Directs exhaust away from operator.</i>
OAK TOP STRUCTURE	<i>250 lbs load capacity.</i>
NON-MAR COATING	<i>Secures and protects work piece.</i>
SIDE SLOTS	<i>Help capture overthrown dust.</i>
ACCESSORY OUTLET	<i>Convenient power for sanding tools.</i>
STORAGE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



OAK TOP
STRUCTURE

LOCKING
CASTERS

FLEXIBLE
EXHAUST BAFFLE



SIDE SLOTS

NON-MAR COATING

STORAGE
COMPARTMENTS



Industrial 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" (508 mm) W x 25" (635 mm) L. (Models 64202 & 64192 and 64203 & 64193 include two filters; model 64204 & 64194 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.
- Possibility to personalize the table.



CERTIFICATIONS:



Model No.	Motor	Volts / Frequency	Phase	Air Flow	Accessory Pack	Working Area Width	Working Area Length	Height	Shipping Weight
64202	1 hp (746 W)	230 V / 50 Hz	1	2,500 CFM	No	33" (838 mm)	41" (1,041 mm)	36" (914 mm)	275 lb (125 kg)
64203	0.75 hp (746 W)			1,900 CFM (3.228 m3/h)			60" (1,524 mm)		286.6 lb (130 kg)
64204						36" (914 mm)	72" (1,829 mm)		330.7 lb (150 kg)
64192	1 hp (746 W)			2,500 CFM	Yes	33" (838 mm)	41" (1,041 mm)		275 lb (125 kg)
64193	0.75 hp (746 W)			1,900 CFM (3.228 m3/h)			60" (1,524 mm)		286.6 lb (130 kg)
64194						36" (914 mm)	72" (1,829 mm)		330.7 lb (150 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" (84 cm x 104 cm) - Space saving, perfect for small parts and single operator use
- 33" x 60" (84 cm x 152 cm) - Accommodate large or oddly shaped projects
- 36" x 72" (91 cm x 183 cm) - Ideal, two-person sanding station

REPLACEMENT TOPS:

- 33" X 41" (64254)
- 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)



64671



64672



64986

ACCESSORY PACK

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.



INCLUDES:

- On/Off air valve
- Filter-Regulator-Lubricator (10681)
- Multi-link with: 3 Safety Couplers - 320 Profile
- 1 Safety Coupler - 410 Profile
- 2 Vacuum Plugs

METAL CAPTURE DOWNDRAFT STATION

M-CLASS

Completing the Dynabrade clean air offering, this unique metal capture downdraft table is a perfect system for dust extraction from aluminum casting, carbon steel and precious metals. Equipped with an Anti-static HEPA 13 filter cartridge (filter range 0.2 micron), it also has an explosion-proof and ATEX compliant Motor (category 3 – zone 22) to ensure the highest safety standards and a perfect ergonomic to the operators.

FEATURE	BENEFIT
POSSIBLE CUSTOMIZATION	<i>Adaptable to your needs</i>
PROTECTION PANELS	<i>Safe operation</i>
MANAGEABLE UNIT	<i>Easy operation and easy to move with a forklift also by human force</i>
WOOD SLATS WORK SURFACE (STANDARD) WITH RUBBER COATING	<i>Removal of high dust concentrations from the work area</i>
OPERATING HOURS COUNTER	<i>Reliable information on the actual number of hours that the machine has been used</i>
SAFETY REGULATION SYSTEM	<i>Electric or pneumatic supply is activated once the dust extraction is ON</i>
MULTI-LINK AIR SUPPLY	<i>Connect multiple tools at the same time on the table</i>
HEPA 13 CARTRIDGE FILTER AND SELF-CLEANING SYSTEM	<i>Easy maintenance</i>
EXPLOSION PROOF MOTOR (CATEGORY 3 FOR ATEX ZONE 22)	<i>Unit eligible for Aluminum Dust Collection</i>
Not for use in Explosive Atmosphere	

APPLICATIONS:

- Ideal for Metal and Aluminium grinding/sanding
- Carbon Steel
- Composite sanding (see with local authorities)

CE EAC M-Class **HEPA filter** 2 YEAR WARRANTY



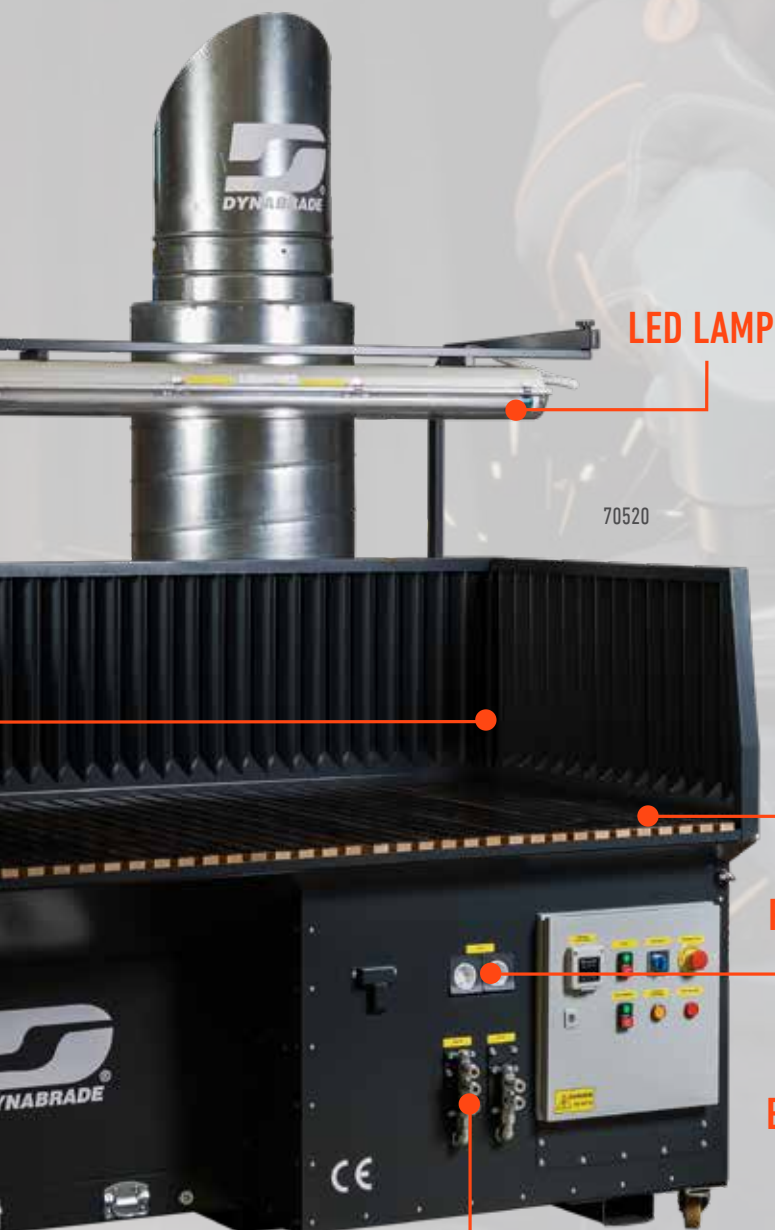
PROTECTION PANELS

Model No.	Width (mm)	Length (mm)	Height (mm)	Motor V/Watt/Hz	Machine Weight	Certification
70520	1,000	1,800	850	400 V Tri-phase 2,200 w 50Hz	410 kg	CE M-Class Atex Motor - zone 22

METAL DOWNDRAFT OPTIONS / ACCESSORIES

OPTIONS AVAILABLE FOR CUSTOMIZATION

- Work surface: conductive plastic grid 1" x 1"
- Work surface: carbon steel slats
- Work surface: stainless steel slats
- Work surface: aluminium slats
- Work surface: perforated stainless-steel sheet surface
- Rubber coating (stripes) on slats
- Air way out - exhaust on the side
- Explosion-proof LED lamp with adjustable lamp bracket
- Electronic lifting legs with controller (4 integrated legs).
- Side and rear protective metal screens - fixed but detachable - height: 50 cm
- Fixed back screen with 2 side screens foldable sideways - height: 50 cm, all 3 detachable)
- Welding smoke and gas extractor (only for WIG welding)
- Electric socket (double) 2 x 230V
- CEJN Multilink with 2-outlet couplings (dry)
- CEJN Multilink with 3-outlet couplings (lubricated)



LED LAMP

RUBBER COATING

ELECTRIC SOCKET

MULTI-LINK AIR SUPPLY



Watch the Video of Dynabrade Europe Metal
Capture Downdraft Table (M-Class)

QUICK REFERENCE MATERIAL GUIDE FOR DUST COLLECTION

Please consult factory for additional
qualified materials.

Al
Aluminum

St
Stainless
Steel

Cs
Carbon
Steel

Ti
Titanium

DYNABRADE EUROPE'S LITERATURES

SCAN AND DOWNLOAD OUR CATALOGS



ABRASIVE SYSTEM PRODUCTS



AUTOMOTIVE AFTERMARKET SOLUTIONS



BACKING PADS FOR RANDOM ORBITAL AND GEAR DRIVEN SANDERS



METALWORKING PRODUCT LINE

WE LISTEN. WE OBSERVE. WE OPTIMIZE.



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