

UNITEC

EIBENSTOCK POWER TOOLS

Made
in
Germany

Variable-speed • High-torque • Powerful • Fast

Portable Mixing Machines

Mixing Drills
Mixing Stations
Mixing Stands
Paddles



**For Mixing Mortar, Concrete,
Plaster, Flooring Adhesives,
Grout, Coatings, Paint,
Self-leveling Cements and
Other Cementitious Materials**

Professional Mixing Drills for Fast, Efficient Mixing



From self-leveling cements to prefab mortar, CS Unitec has a portable mixer to do the job quickly. Every CS Unitec mixer has been designed for high reliability, with the power to provide optimum blending of construction materials on the job site.

Features that Make CS Unitec Mixers the Best Tools for the Construction Industry:

Soft Start and Variable Speed – less splashing and better control.

High-torque Motors with Specially Designed Gears – provide maximum power. Mix quantities from 1 gallon to 290 pounds, including aggregate and other materials.

Helical Paddles – mix from the bottom up, eliminating injection of air for an optimum blend. Other paddles available.

Versatility – can be used hand-held or with our portable mixing stands.

Integrated Rubber Handle Guards –

protect mixer and tile/cementitious surfaces if mixer is dropped

Made in Germany
Since 1919

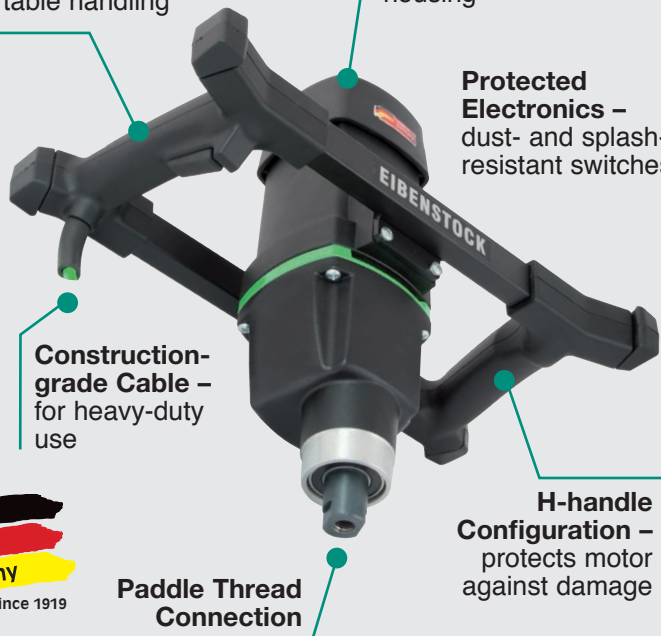
Fiberglass Housing – lightweight, robust, reinforced outer housing

Protected Electronics – dust- and splash-resistant switches

Construction-grade Cable – for heavy-duty use

Paddle Thread Connection

H-handle Configuration – protects motor against damage



For Small to Medium Mixing Jobs



Mixer EHR 18 S Set
The compact mixing drill for 2-bag batches

Easy-to-manage drill for continuous mixing of 2-bag batches. Ideal for tile cement, plaster, mortar, paints, epoxy and coatings.

Capacity: 2 bags, 20 gal.
Output: up to 700 lbs./hour
Power: 9.5 Amp / 110 Volt AC
Free Speed: 800 RPM
Load Speed: 0-450 RPM
Weight: 9 lbs.
Included Paddle: WG 120

Suitable Paddles:
WG 120 (4.5" dia.)
MG 120 (4.5" dia.)
RG 120 (4.5" dia.)



For Larger Mixing Jobs



Mixer EHR 20.1 R Set

The standard mixer with high reliability for construction

Ideal for medium- to high-viscosity powder and liquid materials such as finished plaster, latex, mortar, epoxy, self-leveling compounds and other materials in batches up to 120 pounds.

Capacity: 3 bags, 25 gal.
Output: up to 900 lbs./hour
Power: 10.5 Amp / 110 Volt AC
Free Speed: 900 RPM
Load Speed: 250-580 RPM
Weight: 11.5 lbs.
Included Paddle: MG 140

Suitable Paddles:
WG 135 (5.4" dia.)
MG 140 (5.6" dia.)
TWP 140 (5.5" dia.)



Mixer EHR 23/1.4 R Set

The powerful mixing drill for tough, continuous use

A powerful 14.5 Amp motor allows mixing of up to 200 pounds of high-viscosity materials ranging from epoxy, mortars, plasters and cement to quartz-containing resins and flooring compounds, as well as insulation and other materials.

Capacity: 5 bags, 35 gal.
Output: up to 1800 lbs./hour
Power: 14.5 Amp / 110 Volt AC
Free Speed: 150-325 RPM
Load Speed: 100-275 RPM
Weight: 15 lbs.
Included Paddle: MG 160

Suitable Paddles:
WG 160 (6.25" dia.)
MG 160 (6.25" dia.)
TWP 160 (6.375" dia.)

Also available: Mixer EHR 23/2.4 S Set

With 2-speed gearbox

Load Speed: 0-250 / 0-580 RPM



See the next page for our full line of heavy-duty galvanized steel mixing paddles and portable mixing stands.

Twin Paddle Mixing Save Time Mixing 2+ Component Materials



Mixer EZR 22 R/RL Set

Push-pull Mixer: Quick, thorough mixing with twin paddles and clockwise/ counterclockwise rotation

This dual-paddle mixer with selectable forward and reverse paddle rotation thoroughly mixes a wide variety of materials. The blades rotate in opposite directions, eliminating counter torque and making the unit easy to handle – even while mixing the most demanding of materials. Each paddle is 4³/₄" dia. with 8¹/₄" working width. Mix up to 200 pounds. Use hand-held or mount on RST 92 stand.

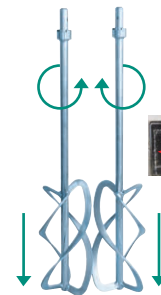
Capacity: 5 bags, 25 gal.
Output: up to 1200 lbs./hour
Power: 10.5 Amp / 110 Volt AC
Free Speed: 680 RPM

Load Speed: 0-450 RPM
Weight: 15 lbs.
Paddle Pair: No. 31610000 (included)

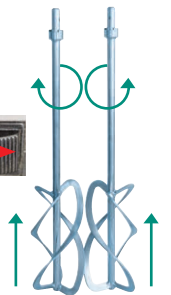
Optional: RST 92 stand and No. 32339000 adapter



**Counterclockwise
PUSH**



**Clockwise
PULL**



Counterclockwise rotation pushes material from the top to the bottom, reducing splashing when mixing low-viscosity materials such as paint, glue, filler and leveling compounds.

Clockwise rotation pulls material from the bottom to the top, reducing air inclusion and efficiently mixing heavy products such as flooring compound, epoxies, mortars, fiber-filled cements, ceramics, granulates, pastes and putties.

Heavy-duty Galvanized Steel Mixing Paddles

Mix from the Bottom Up *Mixing paddles can be supplied in different configurations depending on the material to be mixed.*

- Helical design mixes the product from the bottom up to prevent air bubbles from being sucked into the material.
- Robust welded steel for corrosion protection and abrasion resistance.
- Ideal for continuous, professional use.

Thread Connection*:
14mm male thread

Paddle Length:
All paddles are 24" (9" or 15" extensions are available)



* For all CS Unitec Mixers, order 14mm male thread paddles shown below.

Low Viscosity

Ideal for liquid materials with a low viscosity, including wall paints, lacquers, cement paints, chemicals, coating compounds and laitance.



Medium Viscosity

For tenacious materials of a high viscosity such as finished plaster, mortar, gypsum, lime, floor compounds, granulates and quartz-filled epoxy resin.



High Viscosity

Extra-robust stirring paddle for finished mortar, finished plaster, floor compounds, refractory cements, insulating materials and quartz-filled epoxy resin.



Fold & Stir

Mixes all types of drywall mud and textured products quickly and completely. Great for decorative concrete coatings and comparable products. Specially designed blade folds material and then stirs it, virtually eliminating the injection of air into the system. Works in 5- to 55-gallon drums.



Overlays & Colored Products

Ideal for mixing a wide range of underlayments, overlays and colored products. Integrated shear bars evenly disperse powders and liquids throughout tinted and dyed mixtures. For dry-bag compounds, cement/acrylic plasters and grout, as well as premixed products.



Materials	Model No. 14mm Thread Connection	Paddle Diameter	Model No. 1/2" Hex Shank Connection
Low Viscosity	RG 120	4.5"	RG 120 H
Medium Viscosity	WG 120	4.5"	WG 120 H
	WG 135	5.4"	WG 135 H
	WG 160	6.25"	WG 160 H
High Viscosity	MG 120	4.5"	MG 120 H
	MG 140	5.6"	MG 140 H
	MG 160	6.25"	MG 160 H
	MG 235	9.25"	MG 235 H
Fold & Stir	MH 240	9.625" x 6.25"	MH 240 H
Overlays & Colored Products	TWP 140	5.5"	PWP 140
	TWP 160	6.375"	N/A
	N/A	4.75"	PWP 120

Paddle Extensions:

32210000 9" long x M14

32220000 15" long x M14

Also available: 5/8" 3-jaw chuck with M14 adapter

Special Paddles in Stainless Steel are available for Food Applications.

Paddle pair for EZR 22 R/RL: Order No. 31610000

Adapt any paddle to fit your mixer with our 5/8" 3-jaw chuck and 14mm adapter: Order No. 32142999

High-quality Mixing Paddles with Hex Shank

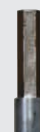
1/2" Hex Shank Fits Standard Drill Chucks

Mix with the best paddles!

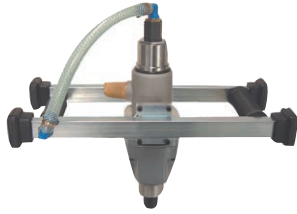
CS Unitec's high-quality, heavy-duty galvanized steel mixing paddles are also available with a new hex shank design. The 1/2" hex shank provides a universal fit for traditional drills with 3-jaw chucks.

Shank Connection:
1/2" hex shank

Paddle Length:
All paddles are 24" long



Pneumatic-powered Mixers for Hazardous Environments



Three air-powered models are inherently safer for mixing paint, glue, epoxy, mortar, concrete, refractory cement and other materials in shipyards and the oil and gas industries. They can be used around water with no fear of shock or blown circuitry.

The MEGA HIPPO portable mixing station is also available with a pneumatic motor. See pages 8-9.



Model No.	Power	CFM @ 90 PSI	Load Speed (RPM)	Mixing Capacity	Weight	Air Connection	Suitable Paddles
7 1111 0010	1.5 HP	49 CFM	0-440	110 lbs.	14 lbs.	3/8"	MG 140
7 1112 0010	1.5 HP	49 CFM	0-190 / 0-350	110 lbs.	15 lbs.	3/8"	MG 140
7 1113 0010	2.2 HP	67 CFM	0-190 / 0-420	200 lbs.	23 lbs.	3/4"	MG 160, WG 160

Portable Mixing Stands Save Time by Running Mixers Independently

Model 25GP-WD

Designed for easy setup, with no clamping required. Has rear wheels for extra portability. Ideal for use with 5-gallon pails and CS Unitec's EHR 20.1 R, EHR 23/1.4 R or EZR 22 R/RL mixers, as well as all CS Unitec pneumatic mixers.



Size: H-35"
L-26"
W-14"
Weight: 64 lbs.

Model RST 92

Has an adjustable swing arm and variable height adjustment, allowing use with various pail sizes. Easy set up. Use with EHR 20.1 R, EHR 23/1.4 R or EZR 22 R/RL electric mixers and all pneumatic mixers.



Size: H-65"
L-28"
W-20"
Weight: 69 lbs.

Portable Mixing for Low- to High-viscosity Materials

NEW!



Reduce Dust While Adding and Mixing Low- to High-viscosity Materials



USE:

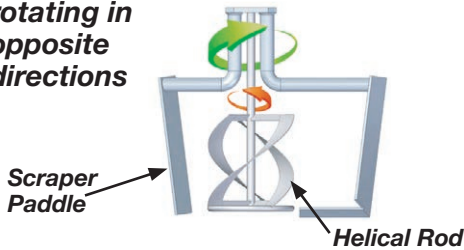
CS Unitec's TwinMix 1800 is ideal for mixing filler and leveling compounds, plaster and thin-bed mortars. Two contra-rotating paddles thoroughly combine compounds into a homogeneous, lump-free mixture.

FEATURES:

- Dual mixing paddle with scraper reduces material deposits on the bucket rim and improves mixing efficiency
- Dust extraction port for connection to industrial vacuum
- Handles and large wheels for ease of mobility
- Transport cart and bucket can also be used with hand-held mixer
- Robust 2-speed, 15 Amp motor – very high pulling power – includes constant speed and overload protection
- Safety switch disables motor if hood is lifted during mixing
- Includes pouring cart for clean, accurate pouring – great for consecutive batch mixing

Innovative Mixing Technology:

one motor – two paddles
rotating in
opposite
directions



TwinMix 1800

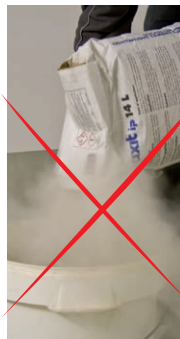
Power	15 AMP / 110 V
Bucket Capacity	17 gal.
Helical Rod Speed	250/450 RPM
Scraper Paddle Speed	20/36 RPM
Weight	155 lbs.

Standard equipment includes motor on stand, mixing rod, mixing paddle, mixing bucket and pouring cart.

Optional Big Wheel Cart available. See next page for more information.



Easily transportable
with tires for rough terrain.



Pouring inlet tube and integrated dust extraction port
reduce airborne dust while adding and mixing materials.

Reduce Dust While Adding Material and Mixing



saves at least
50% time

- Fast, continuous work when using several mixing containers, saving time and cost
- Reduces the risk that the material is setting too fast in wet-on-wet cycle



Mixture 1



Included:
Pouring Cart
with 4 wheels
(P/N 32332000)
designed for
accurate pouring

Optional:
Big Wheel Cart
with 2 wheels
(P/N 32333000)



Mixture 2



Mixture 2



Mixture 2



Mixture 2

VERSATILE APPLICATION POSSIBILITIES



masonry mortar



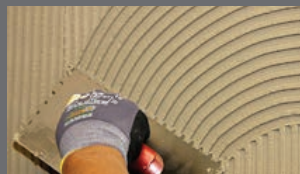
thin-bed mortar



plasters



floating screed



tile cement



grout



insulation board adhesive



screed



filler



Dust Extraction Vacuums – Wet/Dry

CS Unitec's dust extraction vacuums offer strong 130 CFM air flow and an electromagnetic pulse filter cleaning system to maximize vacuum power and dust collection. Ideal for fine dust.

For more information, see page 12



Mix, Transport and Pour Directly Onto the Floor

Mixing multiple batches is faster and easier with the new MEGA HIPPO liner canister system.



Mixing and placing of products is easier and faster. Cement screeds, grout, mortar, textured coatings, sealants, adhesives and other self-leveling compounds can be mixed quickly. The MEGA HIPPO boosts productivity, lowers labor costs and reduces physical effort.

The "Easy-roll Trolley" and the balanced "Easy-tilt Cradle" let you pour and spread material at the same time. Multi-stage pours to achieve a thicker screed are often not necessary. Wheel covers ensure that the casters remain free of screed splatter.



Mix, transport and pour directly onto the floor – up to 6 bags – with one operator



USE:

- Mix compounds, including cement screeds, overlay, underlay, textured coatings, sealants, adhesives, epoxies, resins, pre-tinted material and other self-leveling compounds
- Ideal for mixing in bulk and dispensing into small containers
- Consecutive batch mixing without downtime

FEATURES:

- High-torque, 15 Amp 2-geared motor
- Full-brim capacity of 23 gallons, 350 lbs. or 6-bag batches
- "Easy-roll Trolley" and balanced "Easy-tilt Cradle" allow for pouring and spreading of material at same time
- Specially shaped mixing bowl eliminates pockets of unmixed product and allows for easy cleaning
- 9" diameter paddles with helix ribbon and side bars lift and shear product quickly to produce excellent consistency and thorough mixing of colors and additives
- Resilient, pliable liner is easily cleaned; alternating liners prevents cross contamination
- Dust extraction port for vacuum connection

Mixing Motor Specifications

PMH 80F-RL Level Floors w/ Rimless Bucket and Removable Liner	Electric 110 V* 15 Amp / 1800 Watt 2-speed Motor
PMH 80X-RL Rough Terrain w/ Rimless Bucket and Removable Liner	1st Gear: 140 RPM (Load Speed) 2nd Gear: 470 RPM (Load Speed)
*220 Volt available	

Standard Equipment includes: mixing motor, bucket, removable liner and 2 paddles – TW225 for half batches (2-3 bags) and TW225D for full batches (5-6 bags)

Key Features of the PORTAMIX® MEGA HIPPO

- Easy operation – one person can mix, transport and pour
- Accurately place material directly onto the floor
- Produces excellent mix consistency
- Ideal for mixing in bulk and dispensing into small containers
- Pre-tinted material is easily blended

Bowl Capacity: 6 x 50 lbs. mix + water (23 gal./350 lbs.)
6 x 22 kg mix + water (86 liters/160 kg)

Motor Mounting: Reversible for "alongside" mixing

Tilting Cradle: Balanced for easy operation

Weight: 109 lbs.

Reverse motor mounting allows "alongside" mixing in smaller containers



View product demonstrations at www.csunitec.com.

For Rugged Building Site Mixing and Pouring

Save time and extend bucket life with a removable liner!



PH 705 – Removable Liner

Multiple Batch Mixing with Removable Liner

Mixing multiple batches is easier and faster with the new removable liner and rimless bucket system.

- Mix consecutive batches without downtime
- Resilient, pliable liner is easily cleaned
- Alternating liners prevents cross contamination
- Extends life of bucket

After mixing the first batch, the liner can be removed and cleaned. To speed up production, a second liner can be used while the first liner is being cleaned. The use of a liner also helps to prevent cross contamination and minimizes wear to the HIPPO bucket, extending its life.



Removable Liner
P/N PH 705

Two Models Available:



PORTAMIX PMH 80F-RL

With Rimless Bucket and Removable Liner

4 Casters for Level Floor Use

Allows accurate placement – pour and spread at the same time.



PORTAMIX PMH 80X-RL

With Rimless Bucket and Removable Liner

2 Tires for Rough Terrain Use

Increased height – pour directly into buckets or carts.

The MEGA HIPPO portable mixing station is available with a pneumatic motor.

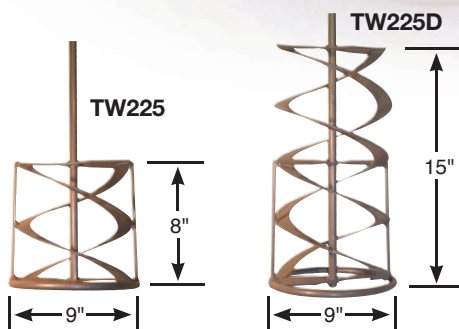
Two air-powered models are inherently safer for mixing paint, glue, epoxy, mortar, concrete, refractory cement and other materials in shipyards and the oil and gas industries.

They can be used around water with no fear of shock or blown circuitry.

PMH 80F-AIR
PMH 80X-AIR



The PORTAMIX MEGA HIPPO is supplied with two mixing paddles:



TW225 – for half batches (2-3 bags); 9" diameter x 27" long; ideal for plasters, concrete, mortars, resins and tile adhesives. 8" long helix and side bars.

TW225D – for full batches (5-6 bags); 9" diameter x 27" long; ideal for self-leveling compounds, screeds, paints, plasters and epoxy. 15" long helix and side bars.

The 9" wide helix and side bars lift and shear the product quickly and efficiently to produce an excellent mix consistency and thorough mixing of colors and additives. The paddle's large 9" diameter provides increased peripheral speed which eliminates the need for high-RPM mixing and helps to prevent flash curing.

Pelican Cart with Canister



The PORTAMIX Pelican Cart offers the user options to move and pour materials at the application area quickly and easily. The transport cart boosts productivity, lowers labor costs and reduces physical effort.



PMP80

- 360° maneuverability and large handle design for easy steering and transport of material
- Transport a full PORTAMIX load, eliminating the need to fill and carry individual buckets or containers
- Quick-release tilt lock
- Accurate, controlled dispensing
- Sturdy welded frame for heavy loads and long life
- Comes with 20-gallon canister for clean dispensing
- Heavy-duty casters

Cart dimensions: 26.75"L x 24"W x 42.75"H;
weight: 38.5 lbs.



Pelican Cart for use with MEGA HIPPO Mixing Stations

For uninterrupted mixing, use your MEGA HIPPO Portable Mixing Station as a stationary mixer and pour the mixed material into the Pelican Cart for transport to the application area.



Optional Accessory for the Pelican Cart

PP600 – Hand-Held Mixer Clamp for Pelican Cart



PP600

Clamp attaches to the Pelican Cart frame to mount a hand-held mixer.



Concrete Grinders

Low-Vibration Hand-Held Grinders

CS Unitec's concrete grinders are powerful and efficient. The unique parallel grip design and vibration reduction technology provide more comfortable operation and even distribution of pressure on grinding disc. The use of a dust extraction vacuum with the dust guard and brush rim ensures a clean working environment and prolongs the life of the machine.

- Vibration reduction technology
- Remove paint, epoxy, glue and other hard coatings
- Smooth rough surfaces
- Clean concrete before applying new paint or coatings
- Collect dust for clean working area with a CS Unitec dust extraction vacuum

Diamond Grinding Wheels			
	General Use	Uncoated (clear) Concrete	PCD Grinding Wheel
for EBS 125.5	37114	37102	37115
for EBS 1802.1	37114	37102	37115
for EBS 180 H	37111	37112	37119



5" dia.
EBS 125.5 D



5" dia. Heavy-duty
EBS 1802.1



7" dia.
EBS 180 H



Dust Extraction Vacuums – Wet/Dry

See page 12



Model No.	Motor Power (Amps)	Grinding Capacity	Load Speed (RPM)	Weight (lbs.)
Hand-Held Grinders				
EBS 125.5 D	14	5"	10,000	10
EBS 1802.1	16	5"	10,000	12
EBS 180 H	20	7"	9,500	18
Walk-Behind Grinders				
EBS 180 F	20	7"	8,500	23
EBS 235	23.7	9"	1,700	84

Walk-Behind Grinders

CS Unitec's walk-behind concrete grinders are ideal for grinding and smoothing concrete, screed, tile adhesive, paint and other coatings.

EBS 180 F

With angle adjustable floor guide for medium-sized jobs

- Height adjustable handle for operator comfort
- Foldable front edge of dust guard – for grinding directly to the edge
- Brush rim for collecting dust when connected to a dust extraction vacuum



Diamond Grinding Wheels for EBS 180 F

7" dia. for concrete - P/N 37112

7" dia. for screed - P/N 37111

7" dia. PCD grinding wheel - P/N 37119

EBS 235

Powerful grinder for large areas

- Height adjustable handle for operator comfort
- Detachable front edge of dust guard – for grinding directly to the edge
- Brush rim for collecting dust when connected to dust extraction vacuum



Diamond Plate/Inserts for EBS 235

9" Base Plate - P/N 37120000

Diamond Inserts (Gold) - P/N 37122 (5 pieces per set)

Diamond Inserts (Yellow) - P/N 37123 (5 pieces per set)

PCD Diamond Inserts (Black) - P/N 37121 (5 pieces per set)

Dust Collection Vacuums with HEPA Filtration

CS Unitec's dust extraction vacuums offer strong 130 CFM air flow and an electromagnetic pulse filter cleaning system to maximize vacuum power and dust collection.

- Ideal for use with power tools
- 99.999% HEPA filtration efficiency of particles down to 0.3 microns; automatic filter cleaning
- "Power Take Off" outlet activates the vacuum ON/OFF from the power tool switch
- Non-HEPA models available, 99.930% filtration efficiency
- Kit available to connect two power tools (P/N 198804)

Model CS 1445 H
automatically "pulse"
cleans filters without
interrupting operation!



"Power
Take Off"
outlet



CS 1225 H



CS 1500



HEPA Vacuum Specifications

	CS 1225 H	CS 1500 H	CS 1445 H
Power	11 Amp	11 Amp	11 Amp
Air flow	130 CFM	130 CFM	130 CFM
Tank capacity	6.6 gal.	13 gal.	9 gal.
Weight	24.3 lbs.	35.2 lbs.	24.3 lbs.
Filter P/N (2pk.)	428956	428956	428956

Standard Vacuum Specifications

	CS 1225	CS 1500	CS 1445
Power	11 Amp	11 Amp	11 Amp
Air flow	130 CFM	130 CFM	130 CFM
Tank capacity	6.6 gal.	13 gal.	9 gal.
Weight	24.3 lbs.	35.2 lbs.	24.3 lbs.
Filter P/N (2pk.)	416069	416069	416069

Optional Filter Bags

Paper filter bags for CS 1225 and CS 1445 - P/N 416014 (5-pack)
Plastic filter bags for CS 1225, CS 1445 and CS 1500 - P/N 421742 (5-pack)
Paper filter bags for CS 1500 - P/N 416021 (5-pack)
Slurry filter bags for CS 1500 - P/N 420592 (3-pack)

We make no claim that use of a vacuum will eliminate contaminants. Wear an approved respirator mask and follow all appropriate OSHA safety regulations for proper ventilation, dust handling, eye protection, etc. when using a dust extraction grinder and vacuum.



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