

BURR KING®



MADE IN USA
SINCE 1951

- GRINDING
- POLISHING
- SURFACE CONDITIONING
- DEBURRING
- CLEANING
- DESCALING
- FINISHING



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VibraKING Vibratory Chambers

VIBRATORY CHAMBERS THAT DELIVER QUIET, HIGH PERFORMANCE DEBURRING, POLISHING, DESCALING AND SURFACE CONDITIONING!

Optional process timers may be added to the M25, M45, and M85. These timers permit precise process timing control to manage critical finishes and economize valuable shop time. Process timers include high quality magnetic starter contactors.

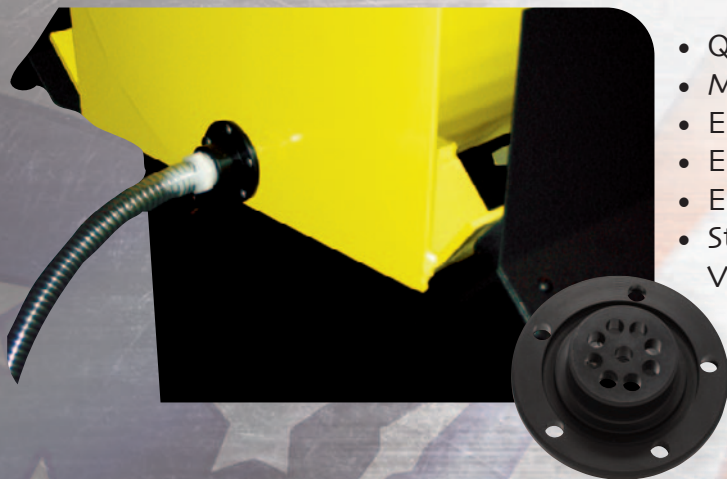


45110 shown

Shown with FilterPAK 4001 and 3387 sound dampening lid.

- Amplitude fully adjustable
- Bronze caged, sealed long life bearings
- Rugged welded steel construction
- Heavy 85 duro urethane liner 5/8" thick
- Integrated discharge chute
- Compact footprint friendly to "cell" manufacturing
- OSHA compliant, enclosed guarding

Improved replaceable drains for models 25, 45, and 85.



- Capacity 2.5, 4.5 and 8.5 cubic feet
- Ultra Quiet
- High Energy, Fast Process Results
- Patented Drive and Isolation
- Portable
- Integrated, Metered, Compound Delivery System
- Flow-through Design
- Accepts Filter PAK 4001
- Replaceable Drain
- NEMA, UL, CSA, Listed Electricals
- Integrated Process Timer and/or Magnetic Starter Option

Let Burr King Test Process Your Parts. -No Obligation -Full Report -FREE



All Vibra King Chambers accept one to four dividers.

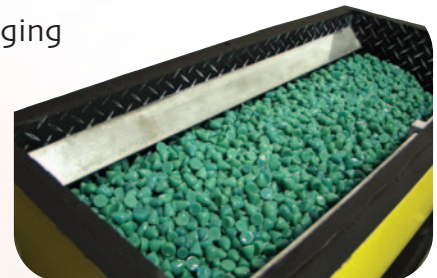


All Vibra King Chambers accept optional Vibra Hush lids reducing sound emission 3 to 6 db.



Optional magnetic starter with integrated timer. Available in single or three phase voltages.

- Quick to change
- Minimizes drain clogging
- Easy to reach
- Extends tub life
- Economical
- Standard on all VibraKING tubs



Optional deflector, prevents flat parts from sticking to machine wall.

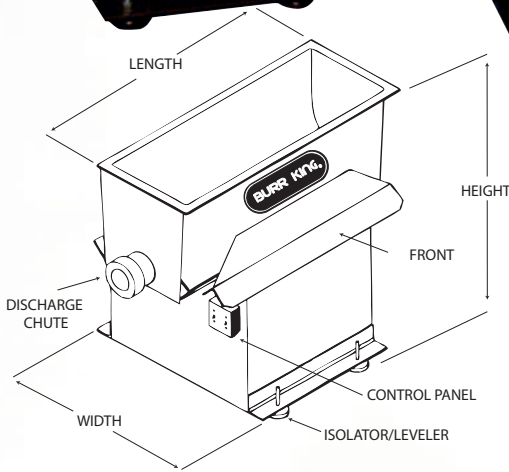
BURR KING®



M85
85103 shown

M45
45100 shown

M25
25100 shown



All Burr King tubs or bowls can be used wet or dry.



Vibra KING® with Hush Design GENERAL DATA

	M25	M45	M85
Total volume cu. ft.	2.5	4.5	8.5
Working volume cu.ft.	2.1	3.8	7.2
Horsepower, standard	1.5 (1PH/3PH)	1.5 (1PH/3PH)	3.0 (3PH)
Overall Length max.in.	29	43	48
Overall Width max in.	33	33	36
Overall Height max in.	41	41	45
Tub depth, inside	15	15	20
Tub length, inside	20	35	37
Tub Width, inside	16	16	20
Max. part length, in.	19	34	36
Media load, lbs	150	250	450
Part load, lbs*	100	225	450
Weight max. lbs. (empty)	390	475	675

ALWAYS WEAR PROTECTIVE EYE, FACE, ARM, LEG AND BODY GEAR WHEN USING ANY GRINDER, POLISHER, BUFFER OR OTHER ROTATING MACHINERY.

BURR KING®

- High Energy
- Power Cord & Switch
- Flow-Through Design
- Heavy Polymer Bowl
- Adjustable Amplitude (Except 110)

*New Design
With Discharge Chute*



110
11000 shown



150
15000-1 shown



200
20000-1 shown



200c
20000-3 shown

Burr King vibratory bowls are ideal for bench top polishing, descaling, deburring, and surface conditioning. Units are fast, quiet, and effective. Available in 3 qt, 10 qt, 20 qt, and 40 qt volumes. New 200c with discharge chute now available.

SPECIFICATION CHART 110 • 150 • 200/200c • 15

Model	Working Capacity	HP	Adjustable Amplitude	Flow thru drain	Bowl Dimensions			
					A	B	C	D
110	3 qt	1/8	No	Yes	10"	3.25"	4.25"	7.25"
150	10 qt.	1/5	YES	YES	15"	5.5"	5.75"	10.5"
200 200c	20 qt.	1/5	YES	YES	17"	6.5"	6.5"	13"
M15	40 qt.	1/2	YES	YES	21.5"	7"	8.5"	17.25"

MODEL 110:
OVERALL MACHINE HEIGHT = 13"
DIAMETER = 10"
LOAD MAX POUNDS: 10

MODEL 150:
OVERALL MACHINE HEIGHT = 17 1/2"
DIAMETER = 15"
LOAD MAX POUNDS: 35

MODEL 200/200c:
OVERALL MACHINE HEIGHT = 19 1/2"
DIAMETER = 17"
LOAD MAX POUNDS: 50

MODEL 15:
OVERALL MACHINE HEIGHT = 38"
DIAMETER = 24"
LOAD MAX POUNDS: 150

110/150/200

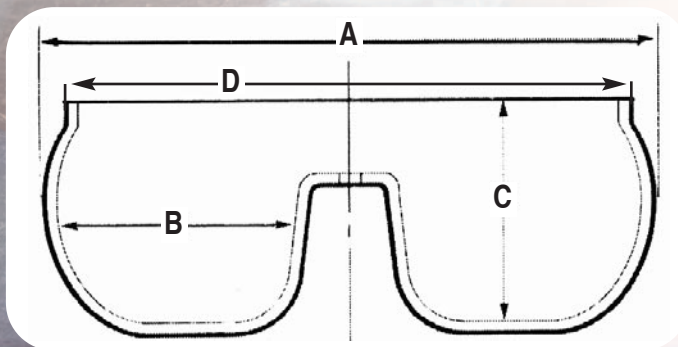


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150/200
CombiPaks



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VIBRA KING 15

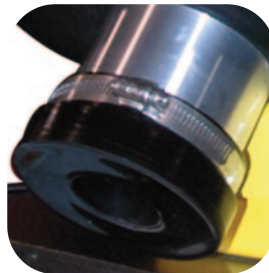
The M15 offers the same reliability and options as our smaller bowls but with more power and larger capacity. The M15 comes complete with stand and timer.

GENERAL DATA

Height max inches	38"
Width max inches	22"
Depth max inches	23"
Total volume cu. feet	1.3
Working volume cu. feet	1.0
Bowl diameter, inside inches	17.5"
Bowl depth inside	9.5"
Part length max. inches	12"
Part width max. inches	5.5"
Load max. lbs.	150
Horse power	1/2
RPM	1725
Volt/Phase	115/1



15110 shown



Media Discharge Chute >

FLEXIBLE

- Adjustable amplitude
- Ceramic, plastic, burnish, wood and shell capable for wet or dry processing
- Adapts to FilterPAK 4001 & SumpPAK 1000 filtration systems with flow through design
- Dual outlet integrates with timer to adapt accessories
- Timer Controlled, 0-6 hours

RELIABLE

- Heavy polymer bowl
- Replaceable drain
- Durable coated metal surfaces

LABOR REDUCTION

- Quick media discharge chute



M15 e-catalog



M15 CombiPaks e-catalog

CONFIDENCE/SAFETY

- UL/CSA listed motors, controls and wiring
- Fully shrouded mechanical section
- One year conditional warranty
- American designed and manufactured in Warsaw, MO
- Backed by Burr King's promise of performance and dependability

OPERATOR/SHOP FRIENDLY

- Cell Manufacturing friendly
- Portability of no bolt down operation

FASTER PROCESSING

- High energy



VIBRA KING 40 DELIVERS FAST, QUIET, HIGH PERFORMANCE DE-BURRING, POLISHING, BURNISHING, DE-SCALING, AND SURFACE CONDITIONING.



44200 shown

VIBRA KING 40

FLEXIBLE

- Ceramic, plastic, burnish, wood and shell capable for wet or dry processing
- Adapts to FilterPAK 4001 filtration system
- Adapts to common compound dosing systems
- Integrated into optional PLC remote/local control
- Standard 1" screen hole, Other sizes available: 1/2", 1-3/8", custom screens can also be made.

RELIABLE

- Replaceable drain
- Steel reinforced, heavy urethane encapsulated tub
- Durable coated metal surfaces
- Stress proof drive shaft
- Double row roller bearings with grease fittings

CONFIDENCE/SAFETY

- UL/CSA listed motors, controls and wiring
- Fully shrouded mechanical section
- One year conditional warranty
- American designed and manufactured in Warsaw, MO
- Backed by Burr King's promise of performance and dependability

OPERATOR/SHOP FRIENDLY

- Noise level below 85db (media load dependent)

FASTER PROCESSING

- High energy vibratory rate, up to 2500 pulses per second (PPS)

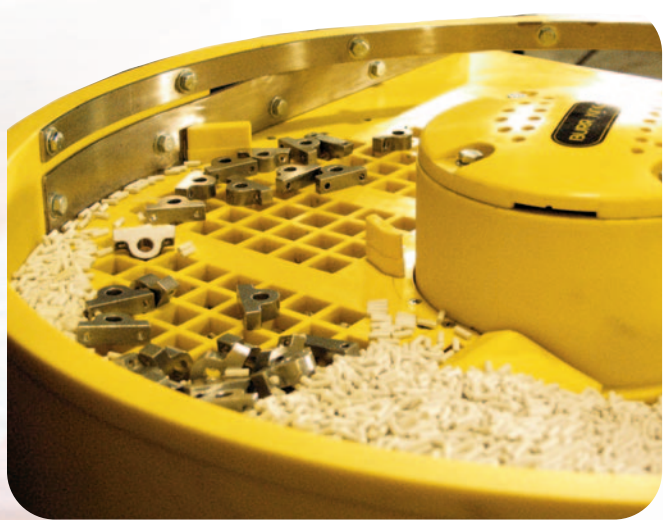
LABOR REDUCTION

- Variable speed controls available for quick individual part set-up
- Quick media discharge chute
- Quick separating screen changes



GENERAL DATA

Width max Inches	52
Front to back max. inches	36
Height max inches	42
Total volume cu. feet	4.0
Working volume cu. feet	2.2
Tub diameter, inside inches	30.25
Tub height, inside inches	11.25
Part length max. inches	16
Part width max. inches	4
Tray height minimum	34
Chute height minimum	21
Load max. pounds, combined media plus parts	350
Weight max. empty pounds	750
Floor required	concrete or other suitable
Horse Power	2.0 (1.8kw)



ALWAYS WEAR PROTECTIVE EYE, FACE, ARM, LEG AND BODY GEAR WHEN USING ANY GRINDER, POLISHER, BUFFER OR OTHER ROTATING MACHINERY.

BURR KING



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VibraKING Vibratory Bowls & Accessories



Vibratory bowl not included.

STANDPAK 5000

The perfect mate for Burr King Vibratory Bowls

- Accepts FilterPak 4001
- 0-6 Hour Process Timer
- Timer Controlled AC outlets
- Isolator Stance
- Steel Construction Improves action
- Space Saving 16"x20"x21"
- Power Cord & Plug 110V,
- Mass finish many different material types, part shapes
- Perfect bench-top small mass finishing system
- Quiet operation
- Compatible with most media styles
- Compact footprint friendly to "cell" manufacturing



Mount your **VibraKING Bowl on the StandPAK 5000, add a FilterPak 4001 for a complete, timer controlled, filtered, compound finishing system.**

SUMPPAK 1000

The SumpPAK 1000 comes with a 5 gallon bucket, pump hanger, pump and all tubes to connect filtration system to machine. Can be used with bowls or tubs.



FILTERPAK 4001

The FilterPAK 4001 can be used with vibratory bowls or tubs. Heavy duty Polyethylene construction with single submersible pump and disposable filter bag. 10 gallon capacity. Also available FilterPAK 8000 used only with Vibra KING 85, stainless steel construction.

- Continuous fluid filtration
- Traps and holds sludge and debris in inexpensive, easily disposable filters
- Cleaner compounds results in cleaner parts
- Superior finishes and shorter cycle times with a filtered system
- Significantly reduces shop mess
- Filtration from 5 to 100 micron
- Filter change less than 2 minutes
- 115 VAC 140 GPH Pump
- 10 Gallon plus capacity
- Heavy duty Polyethylene
- Space saving 12"x14"x15"
- Dual Chamber



e-catalog



Vibratory Media & Accessories

Various media is available for processing ferrous, non-ferrous, plastics, and other materials. Finishes from sparkling clear to matte are possible with the proper selection of media and compounds. Specialty medias include ceramic, synthetic, plastics, cobs, shells, etc. Consult with the factory for the best media for your application.



Note: You can request our separate media sheet



MEDIA SELECTION GUIDE

- Size and coarseness of media may be substituted for stated media. Consult with the factory.
- Choose ceramic media for faster finishing and uniform matte finish.
- Choose plastic media for low RMS finishes and pre-plate finish.
- Larger media yields faster finishing and coarser finish. Smaller media yields slower finishing and finer finish.
- Media coarseness: P-20 most coarse; P-40 medium coarse; P-60 burnishing
- Non-abrasive, burnishing media and compounds are available. Consult with the factory.
- Other media forms, composition, and coarseness are also available. Consult with the factory.
- BKS-60 low suds soap for most non ferrous applications.
- AR-60 low suds soap with anti-rust for most ferrous applications. Provides temporary rust protection.



Magnets for retrieving small ferrous metal parts from media

Media/Parts Separating Screens and container



Test Lab

TEST LAB

The factory will test process your parts to assist in good media/compound selection for your parts. Send part samples, receive back a no cost written report recommending media/compounds/equipment.

Important Safety Information

All Burr King products are built to deliver excellent performance and reliability. Our products are designed and manufactured to meet applicable safety requirements. In order that our customers realize the maximum benefit possible from our products, our primary concern is that they understand, and use, proper and safe procedures. The following list of general safety instructions is the minimum applicable to all Burr King products. For detailed operating and safety instructions see the applicable "Operating Instructions" for the specific Burr King product.

Occupational Noise Exposure

Burr King products produce levels of noise consistent with their intended purposes. The level and spectral content of noise produced is dependent on the equipment size, the degree that the equipment is maintained in proper operating condition, the abrasive/media and accessories used, the specific application, use of options, and the surrounding environment. Noise levels produced by various Burr King models, as measured at the Burr King factory, range from 72 to 91 decibels. Product operators and persons in the immediate product vicinity should be protected from excessive noise levels as prescribed in OSHA regulation 29, part 1910.95 titled "Occupational Noise Exposure".

Product Warranty

Burr King Manufacturing Company, Inc. warrants its products to be free of defects in material and workmanship. The period of this warranty is 1 year (90 days for vibratory bowls of 20 quart and lesser volume) from the date of purchase. No warranty is provided for products that have been modified, abused, handled carelessly, where repairs have been made or attempted by others, or for freight damage. No warranty is provided for three phase electric motors, controllers, etc. when the motors, controllers are not protected by magnetic starters that were supplied and installed by Burr King Manufacturing Company, Inc. No other warranty, written or verbal is authorized by Burr King Manufacturing Company, Inc.

During the warranty period Burr King Manufacturing Company, Inc. (or its authorized suppliers or agents) will replace or repair a product without charge if the product is found by Burr King Manufacturing Company, Inc. to be defective. To receive warranty service you must contact Burr King Manufacturing Company, Inc. and receive authorization for warranty service. Unless otherwise authorized by Burr King Manufacturing Company, Inc. products must be returned to the factory to receive warranty service. Third party Burr King suppliers may provide warranty service for electric motors, pumps, and other accessories.

For the first thirty days after purchase, and when Burr King authorizes warranty service, we will pay normal and necessary freight charges both ways. After thirty days the customer is responsible for all freight charges. Where possible Burr King Manufacturing Company Inc. may elect to make on site service and/or repairs necessary to return the product to serviceable condition. Our priority at all times is to satisfy our customers.

All rotating equipment can be hazardous if not properly used and maintained. Burr King Manufacturing encourages its customers to:

1. Read and understand all operating instructions.
2. Train all operators and others in the work area in these and other safe practices.
3. Securely bolt the machine to a solid work surface.
4. Observe National Electric Codes, state and local codes for all electrical wiring and connections.
5. Keep guards and other safety apparatus functional and in-place
6. Adjust the work rest (if any) such that the gap between the moving abrasive and the work rest is less than 1/8 inch., and never acute to the belt.
7. Avoid wearing loose clothing, long hair, or other garb that may become entangled in moving machinery.
8. Use holding devices such that work pieces are not grabbed, or ejected by wheels or moving abrasive belts, disks, wheels, etc.
9. Never allow pointed work pieces to be handled or held in such a way that they could be grabbed by the moving belt, disk, or wheel and forcibly propelled toward the operator or any bystanders.
10. Use appropriate eye, face, head, body, hand, arm, leg, foot protection for operators and other persons in the work area.
11. Keep the work area free of trip points and other physical hazards.
12. Use suitable inhalation protection.
13. Keep alloys separate to avoid possible combustion risks.
14. Know if the materials to be worked on can create a fire, combustion, or toxic hazard, treat them accordingly, in a safe manner, according to local codes and ordinance.
15. Use no water or other electrically conductive fluid unless your machine has been specifically designed for wet use (NEMA 4,4X)
16. Disconnect power before performing maintenance, changing abrasive devices, or otherwise entering the workings of the machine.
17. Maintain the machine in specification compliant and safe operating condition.
18. Post these and other pertinent safety instructions.



License Plate Frames



Custom Car Fabrication



Shoes



BURR KING®

Sales partner in Mexico:



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Ave. Regio Parque #200 Regio Parque Industrial
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