



POWER
HEAD

BUEHLER®
VECTOR™ LC

BUEHLER® **VECTOR™ LC** **POWER HEAD**

- Affordable Power Head with Basic Features for Lower Volume Applications
- Upgrades ALPHA & BETA Family of Manual Grinder/Polishers to Semi-Automatic Systems for Increased Sample Consistency
- Single Sample Pressure Prepares One to Four Samples at a Time and Allows Pressure to be Tailored to each Specimen
- Mechanical Sample Loading and Head Positioning Requires No Air
- Simple to Operate Analog Controls

Technical Data

Configuration:

Electrically driven head.
Mounts to ALPHA & BETA
Grinder/Polisher bases via rigid
post.

Operation:

Single sample loading
mechanically applied

Sample Capacity:

1 to 4 single samples

Sample Sizes:

25mm, 1", 30mm,
1¼", 1½", 40mm

Controls:

Power On/Off
Mechanical Head Positioning
Mechanical Force Application

Sample Force:

0-11 lb. (2-3 lb. increments)
0-50N (10N increments)
Set force for each sample

Head Speed:

60 rpm

Motor:

⅜ Hp (90W)

Mains Power:

115V/50-60Hz/1 phase
230V/50-60Hz/1 phase

Other:

Uses 8-10" (200-250mm) platens
Integrated Drip Lubricator
"Zero" sample force operation
Manual Operation of METLAP®
2000 Fluid Dispenser

Shipping Weight:

38 lb. (17kg)

Dimensions:

Width	Depth	Height
8½"	16"	15"
(210mm)	(400mm)	(381mm)

Specifications

For more information on the ALPHA & BETA Grinder/Polishers and the VECTOR Power Head please refer to the ALPHA, BETA & VECTOR Grinder/Polishers and Power Head Literature

DESCRIPTION	CATALOG NUMBER
VECTOR LC Power Head for 230V/50-60Hz/1phase	60-1996-230
VECTOR LC Power Head for 115V/50-60Hz/1 phase	60-1996-115
Note: Specimen Holders are supplied separately.	

DUAL SPEED Grinder/Polishers:

ALPHA, Single Wheel Grinder/Polisher for 400V/50-60Hz/3 phase (not available in USA)	49-5500-400
ALPHA, Single Wheel Grinder/Polisher for 230V/50-60Hz/3 phase	49-5500-230
ALPHA, Single Wheel Grinder/Polisher for 115V/50-60Hz/1 phase	49-5500-115
ALPHA, Twin Wheel Grinder/Polisher for 400V/50-60Hz/3 phase (not available in USA)	49-5502-400
ALPHA, Twin Wheel Grinder/Polisher for 230V/50-60Hz/3 phase	49-5502-230
ALPHA, Twin Wheel Grinder/Polisher for 115V/50-60Hz/1 phase	49-5502-115

VARIABLE SPEED Grinder/Polishers:

BETA, Single Wheel Grinder/Polisher for 230V/50-60Hz/1 phase	49-5100-230
BETA, Single Wheel Grinder/Polisher for 115V/50-60Hz/1 phase	49-5100-115
BETA, Twin Wheel Grinder/Polisher for 230V/50-60Hz/1 phase	49-5102-230
BETA, Twin Wheel Grinder/Polisher for 115V/50-60Hz/1 phase	49-5102-115

Note: Platens are supplied separately

Accessories

Single Force Specimen Holders with Retaining Rings

4 x 1" Samples	60-3001
4 x 1¼" Samples	60-3002
4 x 1½" Samples	60-3003
4 x 25mm Samples	60-3004
4 x 30mm Samples	60-3005
4 x 40mm Samples	60-3006
Retaining Rings (set of 12 in assorted sizes)	60-3007
Gravity Feed Lubricator for VECTOR LC and VECTOR Power Heads	60-3024
Lubricator Stand, holds three Gravity Feed Lubricators for all models of VECTOR Power Heads	60-3025
Aluminum Platen 8" (200mm)	40-4061
Splash Ring for 8" (200mm) platen	60-3008
Aluminum Platen 10" (250mm)	40-0500
Splash Ring for 10" (250mm) platen for manual grinding or for maximizing working space	60-3009
Dust Cover for ALPHA and BETA Grinder/Polisher	60-3011
METLAP® 2000 Fluid Dispenser	40-2700

For a complete listing of Buehler consumable supplies for use with the VECTOR LC, please refer to Buehler's Consumables Buyer's Guide.

Buehler continuously makes product improvements; therefore, technical specifications subject to change without notice.



BUEHLER

BUEHLER LTD. – Worldwide Headquarters
41 Waukegan Road • P.O. Box 1
Lake Bluff, Illinois 60044-1699 USA
Tel: 847/295-6500 • Fax: 847/295-7979
Sales: 1/800/BUEHLER • 1/800/283-4537
Web Site: <http://www.buehler.com>

WIRTZ-BUEHLER GMBH
In der Steele 2 • 40599 Düsseldorf
Postfach 16 03 55 • 40566 Düsseldorf
Telefon: (+49) 0211/974100 • Telefax: (+49) 0211/9741079
Web Site: <http://www.wirtz-buehler.de>

KRAUTKRAMER FRANCE – BUEHLER Division
68, Chemin des Ormeaux
69760 Limonest
Téléphone: (+33) 04/72/17/92/50 • Télécopie: (+33) 04/78/47/56/98

BUEHLER KRAUTKRAMER UK LTD.
Milburn Hill Road • University of Warwick Science Park
Coventry CV4 7HS United Kingdom
Tel: (+44) (0) 24 7669 2242 • Fax: (+44) (0) 24 7669 3032