

# Self-Regulating Vacuum System PC3001 VARIO® SELECT

**NEW!**

## Touch-screen control!

The integrated VACUU-SELECT® controller comes with automatic operating modes for most common lab vacuum applications. Drag and drop menus let you set up your own custom operations in minutes. The easiest to operate vacuum system ever!

The VACUUBRAND PC3001 VARIO® select is the best choice vacuum system for bench-top sized rotary evaporators and other evaporative applications. The PC3001 VARIO® select controls the vacuum in your rotary evaporator with minimal supervision, continuously optimizing to changing vapor conditions without programming. Just press "start" and the PC3001 VARIO® select provides faster evaporation and tighter control, while freeing you up to do more important work. It features a VARIO® version of our MD1C vacuum pump, with integrated solvent recovery in a compact, attractive package.

**Faster**—Continuously optimized vacuum speeds complete evaporative processes up to 30% faster than with two-point electronic control.

**Safer for samples**—System adapts to changing vapor conditions, virtually eliminating bumping and foaming.

**Productive**—Self-regulation frees you to spend your time on discovery, not equipment operation.

**Reliable, Oil-free**—With 1/3 the recommended maintenance of competitive dry pumps!

**Energy-saving**—Speed-controlled motor reduces energy consumption and is virtually inaudible in typical operation.

**Efficient**—Intuitive user interface with predefined procedures for common applications.



### Technical Data

Pump	MD1C VARIO-SP chemistry-design diaphragm pump, w/ fluoropolymer flowpath
Integrated Vacuum Controller	VACUU-SELECT® touch screen with capacitive absolute pressure transducer and integrated vent valve
Pumping Speed	1.2cfm / 34lpm
Ultimate Vacuum	1.5Torr / 2mbar
Ultimate Vacuum w/ Gas Ballast	3Torr / 4mbar
Dimensions (L x W x H)	30.3 x 30.6 x 40 cm (11.9 x 12 x 15.7 in.)

### Ordering Information

Part No.	Description	Price
CG-4802-101	PC3001 VARIO® Select, 100-120V, 2 m <sup>3</sup> /h	Please Call for Pricing

Product appearance, catalog numbers, prices, specifications, and technical information are subject to change without notice.

J UW i a 'Udd ]WUhc bg' Zfca 'Z]fUhc b'hc 'Ugd ]fUhc bž  
Wc bW b f Uhc b'hc 'Yj Udc fUhc bž ZYY nY 'X fm]b [ 'hc [ 'Y 'X fm]b [ ]  
Ufy 'gc 'Wca a cb ]b 'W Ya ]g fm UbX ' ]Z' gMY bWV 'UV c fUhc fY gž  
h Uh h Y mUfy 'U 'fy Ugc bUV 'Y d 'UW 'hc 'cc \_Zc f d f c Xi Whj ]mi  
c d d c f h i b ]h Y g' 'ž ZUW ž ZY k ]b j Y g h a Y b h g WUb 'a U \_Y 'U'  
[ 'fY U h Y f Wc b h f ]m i h c b 'hc 'UV 'd f c Xi Whj ]m i h U b 'WUb 'X c 'Ufg  
]b j Y g h Y X ]b j UW i a 'Wc b f c g'

**HY'a cghd fY Wci g fY gci fWÅ mci f hja Y**

H Y 'h m d ]M U 'j U W i a 'U d d ]W U h c b 'f Y ]Y g c b i b W c b f c 'Y X '  
j U W i a 'Z f c a 'U W b f U 'j U W i a 'g r g h Y a 'c f U 'X Y X ]M U h Y X '  
j U W i a 'd i a d k ]h ' ]h Y 'c f b c 'W c b f c ' " I b ]Y 'h a d Y f U h f Y ž  
Z c f k \ ]W 'Y Y W f c b ]W W c b f c ' ]g U g g i a Y X ž j U W i a ' ]g c Z h Y b '  
W c b f c 'Y X 'V m U 'g M Y b h g h a c b ]h c f ]b [ 'U b X 'a U b i U 'm  
U X ↑ g h ]b [ 'j U W i a 'hc 'U d d f c l ]a U h Y 'h Y 'X Y g f Y X 'W c b X ]h c b g '  
G W 'U b 'U d d f c U W ' ]g U 'k U g h Y 'c Z h Y 'a c g h d f Y W c i g  
f Y g c i f W g ]b 'h Y 'U V ž h Y 'h j a Y 'U b X ' ]b h Y 'Y W h  
c Z h Y 'g M Y b h g ž U g k Y ' 'U g V Y ]b [ 'Y g g Y Z Y W h j ] Y 'h U b '  
U i h c a U h Y X 'W c b f c ' "

7 c b g ]X Y f U 'f c f U f m Y j U d c f U h c f U d d ]W U h c b ' 'ž g l a d Y '  
U d d ]W U h c b g ž i b d f Y X ]M U V 'Y W b f U ' ]j U W i a 'g d d 'm a U m  
V Y 'U X Y e i U h Y ' " 6 i h ]b 'U d d ]W U h c b g k ]h 'W c a d Y l 'a ] ]h i f Y g ž  
W c b h ]b i c i g c j Y f g ] \ h U b X 'U X ↑ g h a Y b h ]g b Y Y X Y X 'hc '  
d f Y j Y b h V i a d ]b [ 'U b X 'd c g g ]V 'Y 'c g g c Z g J a d Y ' " H Y '  
U h Y f b U h j ]Y ]g Z c f W c b X ]h c b g h c 'V Y 'k c f \_Y X 'c i h c j Y f h f U 'f i b g  
c b U b 'Y Y W f c b ]M U 'm W c b f c 'Y X 'g r g h Y a 'hc 'Z ]b X 'U d f Y g h i  
j U W i a 'Y j Y ' " 9 j Y b k ]h 'h m d ]M U 'Y Y W f c b ]W W c b f c 'ž  
\ c k Y j Y ž c j Y f g ] \ h U b X 'U X ↑ g h a Y b h i U f Y 'b Y Y X Y X 'hc 'Z ]b Y !  
h i b Y 'Y U W 'd f c W g g ' "

**Gla d Y 'c d Y f U h c b 'U b X 'b c 'V U V m g ]h ]b [ 'I'**

5 'a c X Y f b ž Y Z W Y b h U 'h Y f b U h j ]Y ]g d f c j ]X Y X 'V m j 5 F € 'ž  
W c b f c 'Y X 'j U W i a 'g r g h Y a g Z f c a 'J 5 7 1 1 6 F 5 B 8 ' " ž  
J 5 F € 'ž j U W i a 'g r g h Y a g ž U b 'c ]! Z Y Y 'd i a d ]g ]b h Y [ 'f U h Y X '  
k ]h 'U j U f ]U V 'Y g d Y Y X 'a c h c f U b X 'U X ] [ ]h U 'W c b f c 'Y f 'H Y '  
g r g h Y a 'U i h c a U h ]W 'm Z ]b X g U b X 'Z c 'c k g V c ]b [ 'W f j Y g ž  
W c b h ]b i c i g m c d h j a ]h ]b [ 'h Y 'j U W i a 'Y j Y 'k ]h c i h \ U j ]b [ 'h  
hc 'd f c [ 'f U a 'd f Y g h g 'H Y 'g M Y b h g i ↑ g h d f Y g g Y g i G U f h i 'U b X '  
h Y 'J 5 F € 'ž d i a d ]V Y [ ]b g g Y U f W ]b [ 'Z c f h Y 'Z f g h V c ]b [ 'd  
c ]b h 'H Y 'J 5 F € 'ž W c b f c 'Y f [ 'Y b h m i U d d f c U W Y g h Y '  
V c ]b [ 'd c ]b h g c 'I c j Y f d i a d ]b [ 'I ]g g V g U b h ]U 'm f Y X i W X '  
U b X 'V i a d ]b [ ' ]g j ]f h i U 'm Y 'j a ]b U h Y X ž Y j Y b 'U g h Y 'g M Y b h g i ]g  
Z Y Y X 'Z c f a c f Y W f Y U h j ]Y 'U b X 'g h g h ]b [ 'k c f \_ "

**I d 'h c ' " \$i 'Z U g h Y f**

H Y 'g r g h Y a 'W c b h ]b i U 'm c d h j a ]h Y g j U W i a 'Y j Y g ž Y j Y b 'Z c f '  
U n Y c h c d ]W a ]h i f Y g ž k ]h 'h Y 'f Y g 'h h U h Y j U d c f U h c b h j a Y g  
U f Y 'i d 'h c ' " \$i 'Z U g h Y f h U b 'c h Y f Y 'Y W f c b ]M U 'm W c b f c 'Y X '  
d i a d g c f a U b i U 'm W c b f c 'Y X 'g r g h Y a g k ]h 'W c b h ]b i c i g  
c j Y f g ] \ h 'H Y 'd i a d 'W U b 'Y j Y b 'g v i h ]h g Y Z c Z k \ Y b '  
Y j U d c f U h c b ]g W c a d Y h ' "



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H Y 'J 5 7 1 1 ! G 9 @ 9 7 H 'ž j U W i a 'W c b f c 'Y f g '  
Z Y U h f Y 'U b ]b h ]h j ]Y 'g a U f r d \ c b Y ! ]Y ]b h Y Z U W ' "  
7 \ c c g Y Z f c a 'c d h j a ]h Y X 'c i h ]b Y g Z c f W c a a c b '  
U d d ]W U h c b g ž a c X ]m U b X 'g U j Y 'm e i f c k b '  
W ]g h c a ]h U h c b g ž c f U g g Y a V 'Y 'm e i f c k b 'd f c W g g  
U g g l a d 'm U g X f U [ [ ]b [ 'U b X 'X f c d d ]b [ 'g h Y d g  
h c [ 'Y h Y f 'I G 6 W c b b Y W h j ]m i U 'c k g Z c f Y U g m  
i d 'c U X ]b [ # X c k b 'c U X ]b [ 'c Z d f c h c W c 'g j ]U Z U g '  
X f j Y ž c f g c ž k U f Y 'i d X U h Y g ' "

**FY ]UV 'Y 'U b X 'W c b j Y b ]Y b h**

C Z W c i f g Y ž d f c Xi Whj ]m i U g c 'X Y d Y b X g c b 'h Y '  
f Y ]U V ]m i c Z h Y j U W i a 'g r g h Y a " 5 h h Y ' \ Y U f h c Z  
Y j Y f m j 5 F € 'ž d i a d ]b [ 'g r g h Y a ' ]g U '  
J 5 7 1 1 6 F 5 B 8 'ž c ]! Z Y Y 'd i a d k ]h 'U 'W c f f c g c b l  
f Y g j U b h Z i c f c d c 'm a Y f Z c k 'd U h ' " G Y f j ]W Y '  
]b h Y f j U g c b 'h Y g Y 'd i a d g U f Y 'h m d ]M U 'm k Y ' "  
]b Y i W g g c Z % ž \$ \$ \$ c d Y f U h ]b [ ' \ c i f g ' c j Y f % \$ '  
m Y U f g V Y h k Y Y b g W Y X i 'Y X 'g Y f j ]W 'g h c d g c b U '  
d i a d 'c d Y f U h Y X ' & \$ \ c i f g U 'k Y Y \_ 'J 5 F € 'ž '  
g r g h Y a g W U b 'Y j Y b 'W U d h i f Y 'Y i \ U i 'g h j U d c f g '  
k ]h c i h i f Y ]b W 'c b 'W c 'X 'h U d g c f W ]Y f g ž c f h Y '  
W c g h U b X ]b W c b j Y b ]Y b W 'c Z h f U b g d c f h ]b [ 'X f m i  
]W ' " C b ! V c U f X j U d c f W U d h i f Y 'b c h c b 'm g U j Y g  
h j a Y 'U b X 'Y Y W h ]m i c f W c 'U b h Y l d Y b g Y ž V i h  
U g c 'W U d h i f Y g j ]f h i U 'm U 'c Z h Y j U d c f g d U g g ]b [ '  
h f c i [ \ h Y 'd i a d g ž f Y X i W ]b [ 'U V 'Y i d c g f Y 'h c '  
\ U n U f X c i g j U d c f g ' "

J 5 F € 'ž j U W i a 'd i a d g U f Y 'a U X Y ]b ; Y f a U b m i  
V m j 5 7 1 1 6 F 5 B 8 ; A 6 < Z ' 7 C ? ; " H Y '  
J 5 7 1 1 6 F 5 B 8 'U V Y ' \ U g a Y U b h f Y ]U V ]m i U b X '  
]b c j U h c b ]b 'U V c f U h c f m j U W i a 'h Y W a b c 'c [ m  
U b X 'W c b f c 'Z c f b Y U f m U ' \ U 'Z W b h i f m i