

# SimpliVac™

Advanced Vacuum System



**SimpliVac**

**BUEHLER**

*ADVANCED. EFFICIENT. RELIABLE*

 **BUEHLER**  
*Strong Partner, Reliable Solutions*

# SimpliVac™



**BUEHLER**

**SimpliVac**



## SimpliVac is designed to optimize your castable mounting process

The SimpliVac provides superior pore impregnation in an easy to use and compact format. The SimpliVac vacuum system uses compressed air to optimize edge retention and epoxy penetration by evacuating the air trapped in samples. While providing superior and consistent samples, the SimpliVac can also improve efficiencies and increase throughput.



- Programmability allows for running multiple vacuum cycles without requiring user interference



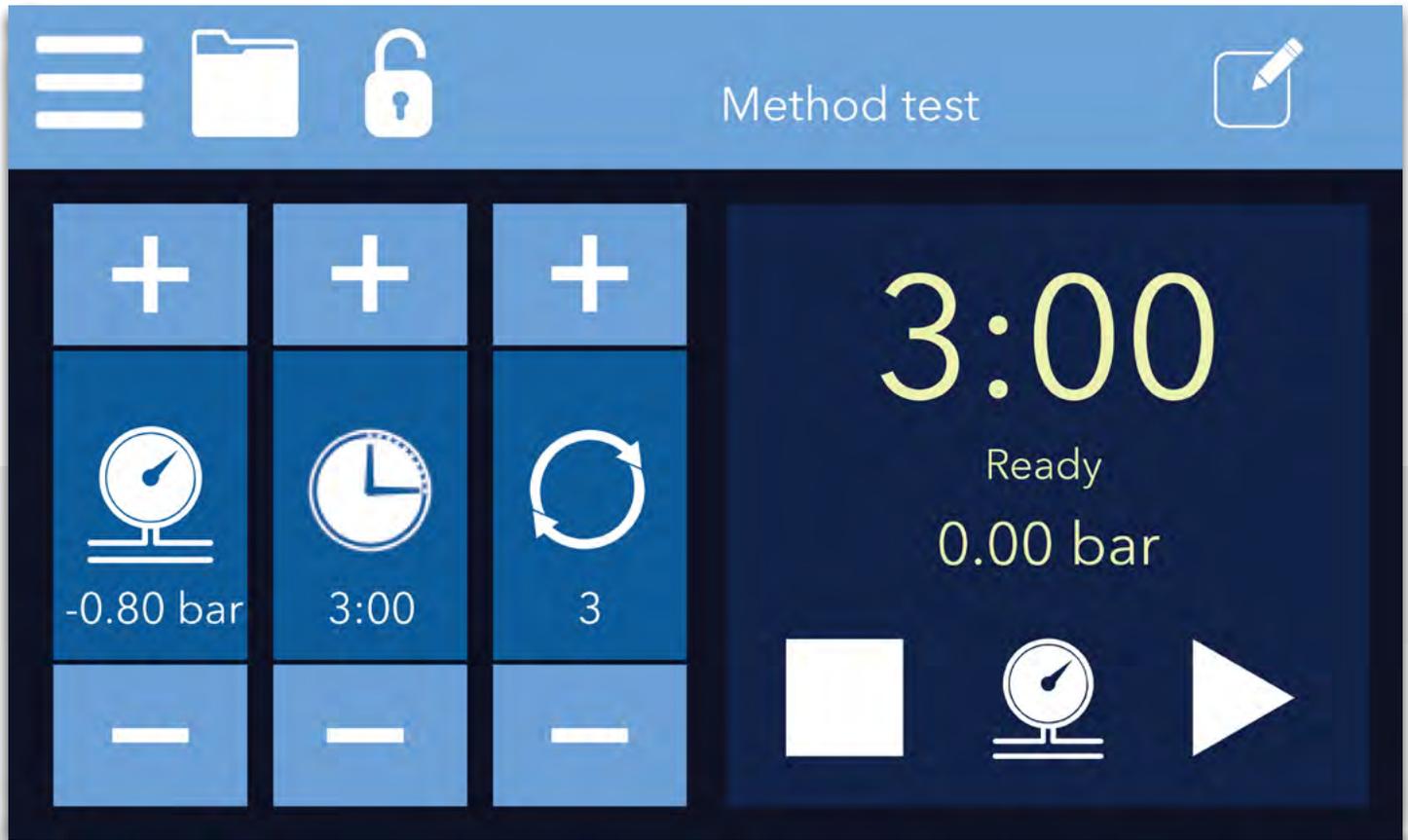
- An intuitive interface makes the SimpliVac easy to set-up and use
- Simple dispensing makes pouring your epoxy under vacuum efficient



- A large sample chamber increases sample throughput
- The reliable and robust design uses compressed air, eliminating an external vacuum pump
- Easy maintenance helps ensure your unit is running clean longer

ADVANCED  
EFFICIENT  
RELIABLE

# Advanced



## Programmability

The ability to set your vacuum level, time under vacuum and the number of cycles under vacuum allows for more control over the mounting process than ever before, resulting in consistent, reliable results. The multiple cycles ensure optimized impregnation of epoxy in delicate and porous samples. The SimpliVac also is the **only** unit on the market that does not require any interference when moving to each step of the vacuum cycle, freeing up technician time. Using multiple short cycles during vacuum impregnation improves sample penetration and can even shorten overall process time.

## Intuitive Interface

The intuitive interface of the SimpliVac makes the castable process mounting easier. All major functions are listed on the main screen for quick use. Methods can be saved for easy recall. Password protection for locking settings ensures consistent processing.



# Efficient

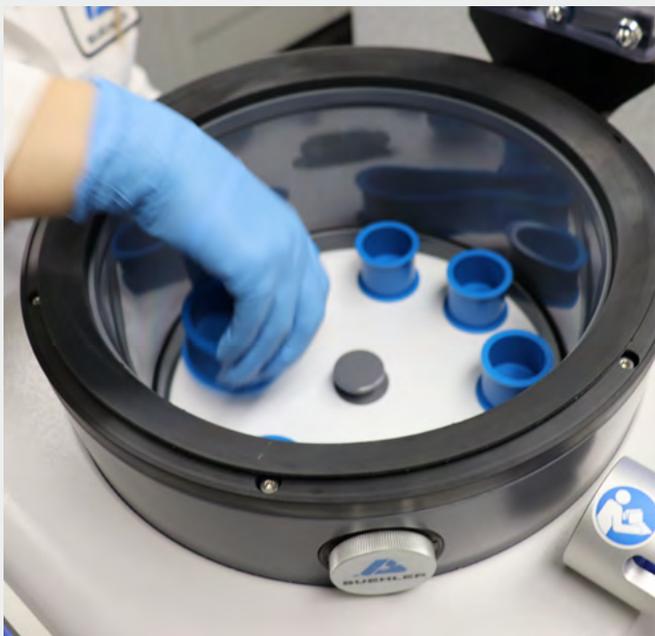
## Simple Dispensing

Use disposable dispensing tubes to ensure ideal epoxy impregnation. Easily position samples when pouring under vacuum with the dual direction turn table. High visibility in to the chamber allows for quick and accurate alignment of samples. The vacuum chamber stopper is magnetic backed to aide in positioning the dispensing tube into vessels containing epoxy while providing flexibility for dispensing under vacuum.



## Large Sample Chamber

Increase your throughput and run more samples than ever before in the large sample chamber. Process large and irregular samples using the included table insert.





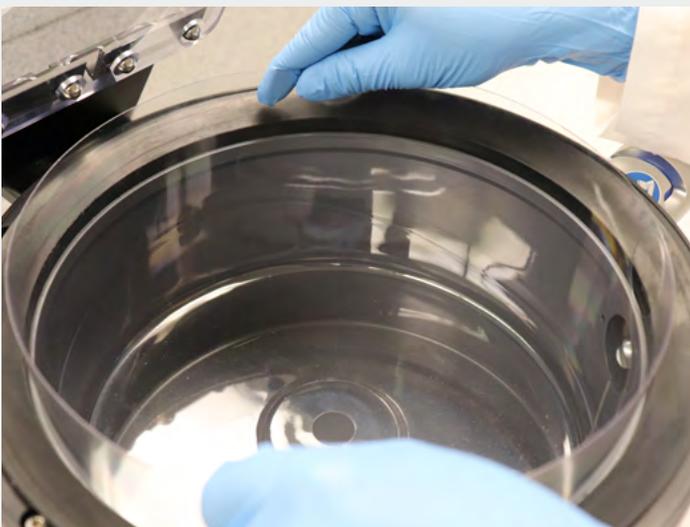
# Reliable

## Dependable & Robust

An integrated vacuum system using compressed air eliminates the need for unreliable external vacuum pumps. Advanced sealing enables the SimpliVac to quickly reach vacuum with highly adjustable settings.

## Easy to Clean

A completely removable sample tray provides superior accessibility to samples and to cleaning surfaces. An inertial dampening system prevents spills caused by over spinning of sample tray. Easily replaceable bowl and tray liners protect equipment from epoxy spills, keeping units clean and functional longer.



# Ordering Information

## Get Started



### SimpliVac

20-1500 (Single Phase, 100-240 VAC)

### Optional Accessories



Vacuum Bowl Liner  
20-1553



Vacuum Tray Liner  
20-1555



Dispensing Tubes  
20-1551

## Epoxy Mounting Systems



Buehler epoxies are formulated to excel in a wide variety of applications. Whether the priority is speed, pore penetration, or low curing temperature, there is a Buehler epoxy suited for every sample type.

### Small Resin & Hardener

### Large Resin & Hardener

Material	Resin	Hardener†	Resin	Hardener†
EpoKwick™ FC mix ratio 4:1 by volume			20-3453-128 128oz [3.8L]	20-3453-032 32oz [0.95L]
EpoThin™ 2 mix ratio 2:1 by volume	20-3440-032 32oz [0.95L]	20-3442-016 16oz [0.48L]	20-3440-128 128oz [3.8L]	20-3442-064 64oz [1.9L]
EpoxCure™ 2 mix ratio 4:1 by volume	20-3430-064 64oz [1.9L]	20-3432-016 16oz [0.48L]	20-3430-128 128oz [3.8L]	20-3432-032 32oz [0.95L]
EpoHeat™ CLR mix ratio 4:1 by volume	20-3423-064 64oz [1.9L]	20-3424-016 16oz [0.48L]		

† Restricted article, requires special packaging

\*Peak exotherm is for 20g cured at 70° F

# Technical Specifications

<b>Machine Size</b>	12.8in (325 mm) H X 19.2in (488 mm) D X 18.6in (472 mm) W
<b>Chamber Diameter</b>	9.4in (240 mm)
<b>Max Vacuum</b>	27.1inHg (-92 kPa)
<b>Min Vacuum</b>	-1.47inHg (-5 kPa)
<b>Air Input*</b>	≥0.6MPa
<b>Voltage</b>	100-240 VAC/ 50-60 HZ, Single Phase
<b>Wattage (MAX)</b>	25 W
<b>Weight</b>	51 Lbs (23 kg)

# Buehler Worldwide Locations



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Binghampton, NY, US  
Norwood, MA, US  
Coventry, UK  
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Solutions for Materials Preparation, Testing and Analysis

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