



GenVac MP2 – Advanced Vacuum Impregnation System

Description

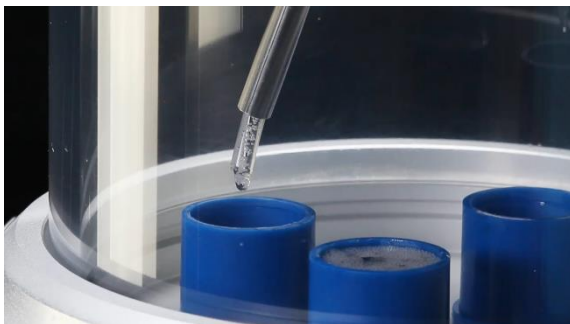
The GenVac MP2 Vacuum Impregnator is designed for precision sample impregnation for porous materials. Common applications for vacuum impregnation include rocks and minerals, ceramics, electronic circuit boards and other composite materials. The GenVac series includes a separate Vacuum pump and is easily controlled through the user-friendly interface. Complete with a disposable sample cup holder, the GenVac encompasses everything you need to achieve the absolute best sample impregnation.

The GenVac MP2 provides a clear viewing area during sample impregnation through the large 16cm (6.3”) diameter transparent lid. For ease of use, the transparent lid can be completely removed to expose the bed of the vacuum chamber. This allows for easy positioning and handling of your samples. The consumable inlet tube is incorporated into the lid of the chamber and allows you to easily fill the mounting cups within the chamber. With a clear view of your samples, you can be sure to fill the cups to the necessary levels avoiding any loss of impregnation material. Operated with only a few controls located on the front of the unit, the GenVac MP2 system provides a complete solution to the impregnation of sensitive porous materials.



Technical Specifications

Model	GenVac MP2
Motor Power	180W
Vacuum Chamber Size (ø x H)	4 x 4 “ 16 x 16 cm
Machine Size (WxDxH)	18.9 x 15.8 x 15.8” 48 x 40 x 40 cm
Vacuum Pump Size (WxDxH)	5.5 x 7.9 x 7.9 “ 14 x 20 x 20 cm
Weight	75lbs / 34kg
Power Supply	110V/60Hz/1Ph
Vacuum Pressure	65mmm-Hg





GenVac MP3 – Advanced Vacuum Impregnation System with a Touch Screen Interface

Description

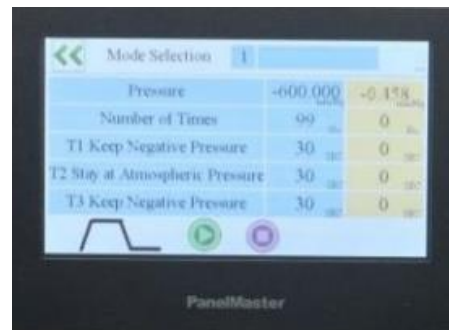
GenVac MP3 has all of the features of our flagship MP2 system while being packed with so much more!

Our Vacuum Impregnator is designed for precision sample impregnation for porous materials. Common applications for vacuum impregnation systems include rocks and minerals, ceramics, electronic circuit boards and other composite materials. The GenVac Series - Vacuum Impregnation system includes a separate Vacuum pump and is easily controlled through the user friendly interface. Complete with a disposable sample cup holder, the GenVac Cold mounting press encompasses everything you need to achieve the absolute best sample impregnation.

With a 4.3" colour touch panel graphic display, setting the parameters for your mounting cycles has never been easier. The MP3 system allows you to set up to ninety-nine degassing cycles to enhance the edge retention of your samples. Built in are 8 memory methods with multiple languages and easy unit conversion. With a clear chamber, you have full view of your samples for precision pouring to save consumables and improve your overall efficiency. Simply set your vacuum pressure, the time for the vacuum cycle, the time for the pressure release and the frequency of the vacuum cycle and your system is ready to start!

Technical Specifications

Model	GenVac MP3
Vacuum Pressure	-650 mm/Hg (-0.867 bar/-86.659 Kpa/-12.569 Psi) ± 5 %
Motor Power	180W
Pump Flow	50L/min
Vacuum Chamber Size (ø x H)	16 x 16 cm 6.3 x 6.3"
Vacuum Chamber Size (ø x H)	Ø16cm x 16cm Tall Ø6.3" x 6.3" Tall
Pressure Relief Method	Programmable Pressure Relief
Machine Size (WxDxH)	39x40x40 cm 15.35x15.75x15.75"
Weight	20kg / 44lbs
Power Supply	110V/60Hz/1Ph
Accessories Included:	High Flow Epoxy Resin, External Vacuum Pump





GenVac MS – Economical Vacuum Impregnation Kit

Description

Vacuum mounting of castable mounting resins significantly improves penetration of voids and provides better edge retention. The vacuum impregnation unit allows for pouring the resin under maximum vacuum and for mounting multiple specimens. The vacuum mounting chamber is designed to fill voids in specimens by first pulling a vacuum, then pouring the resin, followed by slowly increasing the pressure in order to force or push the castable resin (epoxy, acrylic, or polyester) into the voids, porosity, cracks, or other crevices in the specimen.

Features

Feature	Specifications
Bell Jar	Plastic
Pouring Mechanism	Tilting, Retractable Arm
Mount Size	1 to 2-inch (20-50mm)
Vacuum	Vacuum Pump
Dimensions	12 x 12 x 12-inch (300x 300 x 300 mm)
Weight	2.2 lbs (1 kg)

Vacuum Pump Technical Specifications:

Model	GenVac MS Series	
Description	110V Vacuum Pump	220V Vacuum Pump
Flow Rate	2.5 CFM	7.2 m3/h
Ultimate Vacuum	10 Pa	0.2P
Inlet	Port ¼" SAE and ½" ACME ports	7/16" – 20
Dimensions (W x D x H)	11 x 4.75 x 9" (279 x 120 x 229mm)	13 x 5.5 x 10" (337 x 138 x 254mm)
Weight	16.5 lbs (7.5kgs)	22lbs (10kg)

Lead Time

2-6 Weeks Depending on when the PO is placed

Spare Parts and Consumables:

	Optional Consumables
METPREP-0200	2-inch 2-piece Reusable Mounting Cups for Castable Mounting (12/pkg)
ULTRA-3000H-08	ULTRATHIN 2 Low Viscosity Epoxy Hardener (8 oz)
ULTRA-3000R-128	ULTRATHIN 2 Low Viscosity Epoxy (1 gallon resin)
POUR-CUP-050	Vacuum Pouring Cups, 100 ml plastic for Castable Mounting (50/pkg)
MR-1000-16	Silicon Mold Release for Castable Mounting
GenVac-Tube60	Tubes (60cm) Set of 20



POUR-CUP-050	Vacuum Pouring Cups, 100 ml plastic for Castable Mounting (50/pkg)
NG-FLODIE250	Florescent Die 250 ml
NG-FLODIE1000	Florescent Die 1000 ml
NG-VRT	Vacuum Impregnation Resin Tubes 20/pkg
NG10B01-C	Rectangular Silicon Moulds Dimensions: 70*40*23mm Custom solution
NG10B02-C	Rectangular Silicon Moulds Dimensions: 100*50*25mm Custom solution
NGMETPREP Series	Reusable Mounting Cups for Castable Mounting NOTE: Please select your optimal solution on our Consumables Catalogue page 7
<u>Mechanical Accessories for GenVac MS Series</u>	
VAC-001	Cup Holder Ring
VAC-P-PCH	Pouring cup holding bolt
VAC-002	Pouring Rod
VAC-SOR	Vacuum rod sealing O-rings
VAC-003	Vacuum Release Valve
VAC-P-PRC	Pressure release cock
VAC-TOP	Vacuum impregnation cover
VAC-VBO	Vacuum bowl
VAC-VCFBO	Vacuum inside chamber flat bowl
VAC-RGFI	Pouring rod guide fitting
VAC-RGFN	Pouring rod guide fitting retaining nut
VAC-RING	Vacuum chamber O-ring
<u>Vacuum Components for GenVac MS Series</u>	
VAC-P-PGFI	Vacuum pressure gage street fitting
VAC-P-PTFIT	Vacuum pressure gage T-fitting
VAC-P-PGEL	Vacuum pressure gage street elbow
VAC-P-PHGFI	Vacuum pressure gage spring hose fitting
VAC-HC	Vacuum hose
VAC-POIL	Vacuum pump oil
POUR-CUP	125 ml plastic beakers
VF-010	110V pump air filters
VAC-GAUGE	Vacuum pressure gage

Description	
GenVac MP2 Series	Advanced Automatic Vacuum Impregnation System - Cold Mounting Press with Analogue Display
GenVac MP3 Series	Advanced Automatic Vacuum Impregnation System - Cold Mounting Press with Digital LCD Touch Screen Display
GenVac MS Series	Economical Vacuum Impregnation System – Cold Mounting Press Kit (with pump)

* Request a [formal quotation](#) or send an e-mail to sales@nextgentest.com for the most up-to-date pricing and applicable discounts and incentives