

# TECHNICAL DATA SHEET

## SK1MOVAC-MINI



### Portable mobile vacuum system with vacuum sources and resin trap

SK1MOVAC-MINI is the portable vacuum unit offering an excellent mobility in schools, technical study groups or during the presentations. The system is placed on mobile lightweight aluminum platform as single phase powered. Light-weight and simple unit can be used in training sessions by schoolchildren and students who do not have specific technical skills, when studying different composite manufacturing processes, like vacuum resin infusion, double bag infusion, RTM light and as well for vacuum debulking operations.

The vacuum system is designed and developed subject to safety requirements and manufactured taking into account the its use by a group of students under the supervision of a supervisor. It is possible to connect several vacuum traps in series.

A disposable plastic or paper cup is placed inside the trap, which, if the resin splashes into the trap, collects excess, keeping the trap clean and can easily be replaced with a new one at the end of the process.



To the left of the vacuum pump there is a switch that has a button that identifies the connection to a current source.



The trap is connected to the vacuum bag using the clamping fitting located on the transparent cover on the trap. This fitting is specially designed by VIK-COMPOSITE to prevent contamination by contact with the resin.

This solution makes the use of the installation safe and ergonomic. At the end of the process, the pressure fitting is untwisted and the disposable tube is removed.

Technical values are provided to the best of our knowledge and are based on data considered reliable. Users are responsible for verifying suitability and assume all associated risks.

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COMPONENTS	TECHNICAL SPECIFICATIONS AND ADVANTAGES
Desktop system	Light aluminum plate 260mm x 420mm x 5mm (W x L x H). Equipped with 1 vacuum pump и 1 vacuum trap. Rubber suction cups stably attach the vacuum system to the table surface.
Vacuum pumps	E400 A2 single phase 50 Hz: productivity 50 l / min and 18mbar
Vacuum level	Adjustable with ball valve, approximately 0% vacuum to the pump's maximum vacuum, as follows E400 A2 - 18 mbar (730 mmHg), vacuum
Vacuum gauges	Range: 0 - (-1) bar Graduations: -0,05 bar Accuracy: +/-2,5%
Vacuum trap	System equipped with resin trap series: SK3VAC-MINI with volume 1,7 l. Each tank is equipped with: <ul style="list-style-type: none"> <li>▪ Paper/ plastic cup with volume 300 ml for resin trapping, aimed at preventing the tank from contamination;</li> <li>▪ Vacuum gauge;</li> <li>▪ Valve for manual flow control;</li> <li>▪ 1 clamping fitting for the tube with external diameter 12mm to connect resin channels. (Fittings for tubes 6, 8, 10 mm are available on special order).</li> </ul>

### CONFIGURATION

Name	SK1MOVAC-1V1T-MINI	SK1MOVAC-2V1T-MINI	SK1MOVAC-2V2T-MINI	SK1MOVAC-1V2T-MINI
Quantity of vacuum pumps	1 (capacity 50 l/min)	2 (capacity 50 l/min)	2 (capacity 50 l/min)	1 (capacity 50 l/min)
Quantity of vacuum traps	1	1	2	2

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**NOTES**

Please contact us for more detailed information as well as for system development according to your technical specification.  
Standard warranty period: 12 months.