



# TECHNICAL DATA SHEET

## SK1MOVAC

**Mobile vacuum system with vacuum sources and resin traps**

### ► DESCRIPTION

The unit SK1MOVAC is mobile vacuum equipment offering an excellent mobility in the composite shop – by using quick disconnection system. The system is placed on mobile lightweight aluminum platform as single phase powered. The MOVAC can be used in different composite manufacturing processes, like vacuum resin infusion, double bag infusion, RTM light and as well for vacuum debulking operations.

The resin traps are easy to remove and reconfigure, because they are placed on the platform without tools. The traps and vacuum control devices can be remotely located if requested.





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### ► TECHNICAL CHARACTERISTICS

Cart components	Description
Mobile platform	Light aluminum structure 500mm x 1050mm x 850mm (WxLxH) with 2 levels. Equipped with 4 industrial wheels of Ø50mm and max. loading each 60kg. Two wheels are moveable with locking breaks, being easy to handle.
Quick disconnect system	3 plugs SK2VV232-4: 2 plugs on the frame of the cart in front of each trap and on the top of each trap 1 plugs.
Vacuum pumps	PVR EM20 Single phase 50 Hz capacity 18 m <sup>3</sup> /h and 60 Hz capacity 21 m <sup>3</sup> /h.
Vacuum level	Adjustable with special vacuum regulator from approximately 0% vacuum to the pump's maximum vacuum, as follows: PVR EM20 - 2 mbar (200 Pascal), 99,98% vacuum
Vacuum manometers	Range: 0 - (-1) bar Graduations: -0,02 bar Accuracy: +/-1,6%
Vacuum trap	System equipped with resin trap series: SK3VAC-15L with volume of 14,7 liters. Each tank is equipped with: <ul style="list-style-type: none"> <li>- Polypropylene pail for resin trapping aimed at preventing the tank from contamination;</li> <li>- Vacuum gauge;</li> <li>- Valve for manual flow control;</li> <li>- 4 clamping fittings for the tube with external diameter 12mm to connect resin channels. (Fittings for tubes 10mm and 16mm are available on special order).</li> </ul>

### ► CONFIGURATION:

Reference	Quantity of vacuum pumps	Quantity of vacuum traps
SK1MOVAC-1V1T	1 (capacity 18 m <sup>3</sup> /h)	1
SK1MOVAC-2V1T	2 (capacity 18 m <sup>3</sup> /h)	1
SK1MOVAC-2V2T	2 (capacity 18 m <sup>3</sup> /h)	2
SK1MOVAC-1HV1T	1 (capacity 28 m <sup>3</sup> /h)	1

It remains responsibility of the user to verify that this product meets the requirement of the process applied.



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► **NOTE**

Please contact us for more detailed information as well as for system development according to your technical specification.

Standard warranty period: 12 months.