

Vacmobile E2 series

8 or 20 m³/h pump
2 litre catchpot
Compact format

Vacmobile E2 – a compacted down form of the well proven 20/2 system

Ready to infuse, right out of the box, the Vacmobile E2- series is a compacted down form of our original 20/2 machine, using the same resin trap body and 2 litre (4 pint) disposable resin catchpot. The primary uses of the E2- are the manufacture of laminates using resin infusion or vacuum bagging over wet laminate or pre-preg. As supplied from the factory, E2- machines are not mobile, but they are easily added to a customer supplied mobile cart if bench top mounting is not appropriate.

For 230 volt, markets, the E2- may be fitted with 8 m³/h, or 20 m³/h nominal capacity vacuum pumps. For 115 volt/60 Hz markets the only pump option is the VSV-20 pump with a capacity of 14.1 cfm (24 m³/h). The high vacuum VSV-20 vacuum pump is fitted with an End Vacuum Adjustment Valve (EVA valve) as standard. This precisely adjustable valve significantly improves the versatility of the system. Please refer to the Modular 2S data sheet for more information about the EVA valve.

The maximum laminate size that can be infused by an E2 series machine very much depends on the experience of the laminator, especially familiarity with the use of wide peel ply resin breaks around the perimeter of the laminate. (For further information on wide peel ply resin breaks, please see our website note "Peel ply resin breaks" (http://www.vacmobiles.com/peel_ply_resin_breaks.html)).

E2 system (shown with 20 m³/h pump)



Trap lid options

Steel lid for vacuum bagging



Glass lid for infusion



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Specifications

Vacuum pump	1 of the following single phase powered continuous duty oil sealed vacuum pumps:
230 V + 5%	Agilent EM 8/B. 50 Hz capacity 8.5 m ³ /h (5 cfm). Note that the main benefit of this pump is the low noise level of 58 dB(A) compared with about 66 dB(A) for the 20 m ³ /h capacity pump. VSV-20. 50 Hz capacity 20 m ³ /h (11.8 cfm). 60 Hz capacity 24 m ³ /h (14.1 cfm)
115 V + 5%	VSV-20. 60 Hz capacity 24 m ³ /h (14.1 cfm)
Vacuum level	Adjustable from 20% vacuum (800 mbar absolute) to the pump's maximum vacuum:
EM8/B pump	20 mbar, 2000 Pa, 15 Torr, 98% vacuum*, 29.3" Hg*, -99.3 kPa*, -14.4 psig*
VSV-20 pump	0.5 mbar, 50 Pa, 0.38 Torr, 99.95% vacuum*, 29.9" Hg*, -101.25 kPa*, -14.68 psig* VSV-20 pump fitted with EVA valve as standard. Refer to Modular 2S information sheet. * Please note that "gauge" vacuums are weather and altitude dependent.
Resin catchpot	Disposable spiral wound cardboard catchpot of 2 litre (4 pint) capacity. 3 spare catchpots supplied with the machine as standard.
Trap lid options	Two trap lid options are available (see illustrations on page 1). The pressed steel lid does not allow the trap contents to be viewed while under vacuum. This lid should be reserved for vacuum bagging over dry laminates or very small infusions. The toughened glass lid option allows the catchpot contents to be inspected at any time. For ease of cleaning, the glass is protected on both sides by disposable transparent PVC shields.
Tubing connections	The high integrity sealing quality and almost nil maintenance requirement of the Vacmobile O-ring sealed tubing connections has been proven for more than 20 years. The O-rings seal on the outside of extruded tubing, such as polyethylene, nylon and PVC. Standard connection sizes suit the following tubing outside diameters: 3/8" to 10 mm 12.0 mm to 12.5 mm 1/2" to 13 mm 5/8" to 16 mm 19 mm to 3/4". Adaptors available to suit 1/2" and 3/4" inside diameter tubing.
Control manifold	This provides for the following functions: vacuum regulation, analogue vacuum gauge, O-ring sealed connection port for absolute pressure gauge, pump inlet filter and pump isolation valve.
Vacuum integrity	All E2-series resin traps are tested to achieve vacuum leak rates of less than 1 mbar per hour (or more than 1,000 hours to leak back to atmosphere).
Dimensions	Length: 465 mm (18.3") Width: 345 mm (13.6") Height: 490 mm (19.3")
Weight range	With EM8/B pump: 19 kg (42 lbs) With VSV-2-pump: 26 kg (57 lbs)
Warranty	No fuss, as new repair, or complete replacement warranty applicable worldwide.

"I am extremely satisfied with the performance of the machine, and I thank you again for your good help and support. I would recommend you anytime!"

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B17319 E2- series



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