

Vacmobile E12 series

20 or 28 m³/h pump
12 litre resin trap
Compact format

Ready to infuse or vacuum bag, right out of the box

The Vacmobile E12- series is a compacted down form of our most popular and well-proven Modular 2S machine. The primary uses of the E12- series are the manufacture of composites using vacuum processes such as resin infusion and vacuum bagging. As supplied from the factory, E12- machines are not mobile, but they are easily added to a customer supplied mobile cart if bench top mounting is not appropriate. Apart from the lack of mobility, E12- series machines deliver identical vacuum performance to a Modular 2S machine fitted with the same pump. Because of the compact size and ruggedness of the package, an E12- series machine is ideal for applications where transportability is an important consideration, e.g., competition boat and vehicle support teams, also contract laminating and repairs.

For 230 volt markets, the E12- may be fitted with either the 20 m³/h (11.8 cfm) VSV-20 pump or the 28 m³/h (16.5 cfm) EM28/B pump. For 115 volt/60 Hz markets, the only pump option is the VSV-20 pump with a capacity of 24 m³/h (14.1 cfm). 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.

Typical E12 series system & catchpot options



"Your machine has proven itself to me during this time, we simply love to work with it. The quality is great, simple, yet very sophisticated."

SkyEye Global
Hungary
<http://www.skyeyeglobal.com/>

Lid options



* The optional illumination port allows external illumination of the vessel contents without creating reflections in the main viewport. This is useful when close inspection of the vessel contents is required, for example when degassing.

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Specifications

Vacuum pump	1 of the following single phase powered continuous duty oil sealed vacuum pumps:
230 V + 5%	VSV-20. 50 Hz capacity 20 m ³ /h (11.8 cfm). 60 Hz capacity 24 m ³ /h (14.1 cfm) EM28/B. 50 Hz capacity 28 m ³ /h (16.5 cfm). 60 Hz capacity 33.6 m ³ /h (19.8 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:
VSV-20	0.5 mbar, 50 Pa, 0.38 Torr, 99.95% vacuum*, 29.9 " Hg*, -101.25 kPa*, -14.68 psig*
EM28/B	20 mbar, 2000 Pa, 15 Torr, 98% vacuum*, 29.3 " Hg*, -99.3 kPa*, -14.4 psig* * Please note that "gauge" vacuums are weather and altitude dependent
Resin trap	1 RT19 resin trap, with machined aluminium lid. Trap lid includes a 75 mm (3") viewport and allows up to 8 O-ring sealed tube connections. Optional illumination port. If chosen, this replaces one tubing connection. Choice of two types of disposable resin catchpot or a reusable polyethylene degas bucket. Please refer to RT19 information sheet for more detailed information.
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.
Dimensions	Length: 580 mm (22.8") Width: 390 mm (15.4"). Height: 580 mm (22.8")
Weight	With VSV 20 pump: 32.5 kg (72 lbs) With EM28/B pump: 42.5 kg (94 lbs)
Optional accessories	
Degas kit	This degasses a thin stream of resin on the way in to the vessel. The degas kit achieves better air removal than is possible with bulk resin degassing and is suitable for resin batches up to 9 litres (2.4 US gallons). It is also effective with high viscosity resins that are difficult to degas in bulk.
Absolute gauge	An absolute pressure gauge is easily fitted to an E12- series machine.
Warranty	No fuss, as new repair or complete replacement warranty applicable worldwide.



After 3 years of use ...

"My vacuum pump is working perfectly. You always provide a very high quality product and great customer service. Couldn't be happier!"

Zee.Aero
California
USA

B17270 E12- series



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