

Vacmobile Accessories

Manifolds, vacuum regulators, tubing connections, vacuum probes, bag penetrations.

High integrity vacuum manifold

The Vacmobile multi-port vacuum manifold is machined from a solid aluminium block. Joints intended to be permanent are sealed and mechanically locked. Joints which may require access are O-ring sealed.

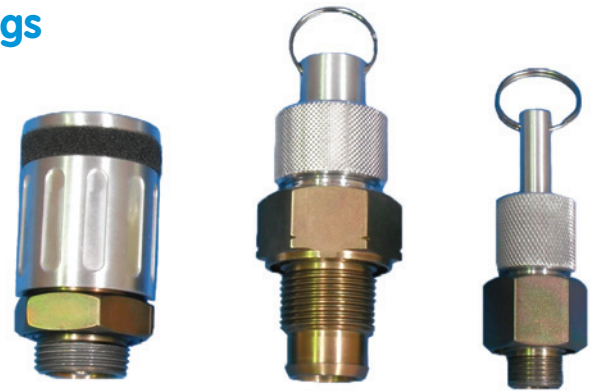
A bracket is provided to allow wall mounting. Various connection options are available, including through-wall mounting via the rear of the manifold (see example on right). Optional components include swivel mount vacuum gauge, vacuum regulation, coarse internal filter, absolute gauge port, O-ring sealed tubing connections and a flexible silicone rubber connection hose. (Refer to RT19 resin trap brochure for information on our silicone hose kit.)



Vacuum regulation valve, O-ring sealed tubing connections and miscellaneous fittings

All Vacmobile components are available as individual items. One example is our rugged and easy-to-use vacuum regulation valve with override button for quick vacuum release when adjusting the vacuum bag. This valve suits 3/4" BSPP/NPT threaded ports.

Our O-ring sealed tubing connections can be retrofitted to existing resin trap lids to allow quick, reliable and mastic-free tube fitting – and unobstructed resin discharge from the tube. Connections are available to suit the following outside diameter tubes: 3/8" to 10 mm, 1/2" to 13 mm, 5/8" to 16 mm and 19 mm to 3/4". The fittings may be screwed into 3/4" BSPP/NPT threads, or inserted through 27 mm (1 1/16") diameter holes. There is also a tubing gland which may be threaded into 3/8" BSPP only.



Vacuum regulation valve and O-ring sealed connections

Vacuum probe for dry spot repair

When connected to a vacuum source, the probe can be inserted through the bag film to locally increase the vacuum level in a resin starved area of a laminate. As long as the surrounding resin hasn't gelled, the evacuated probe will withdraw the air pocket and bring resin into the starved area.

The probe may be supplied bare to suit 9.5 to 13 mm (3/8" to 1/2") ID (inside diameter) tubing, or supplied complete with a disposable valve to suit 13 mm (1/2") ID tubing. Instructions for using the probe are supplied.



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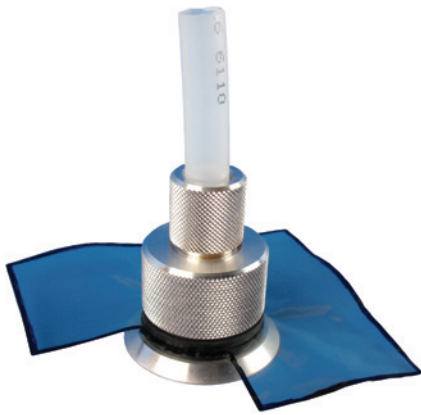
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Multi-part bag penetration fitting (NOT SUITABLE FOR INFUSION)

The multi-part bag fitting is intended for vacuum bag penetrations where liquid resin will not come in contact with the fitting, e.g., when protected by bleeder cloth when vacuum bagging over wet laminate or pre-preg.

The multi-part bag fitting is not suited to infusion applications, as it is too difficult to clean.

The fitting is designed to directly suit 12.7 mm (1/2") OD tubing. It can be simply adapted to other tubing sizes.



Reusable plastic infusion ports

Our reusable plastic infusion ports are machined from solid Ultra High Molecular Weight polyethylene (UHMWPE). They are intended for resin infusion applications where the bag penetrations are subject to resin contact.

If treated with a liquid mould release before each infusion, the ports will be easily cleaned and suitable for many re-uses.

Standard sizes are made to suit the following OD tubes: 12.7 mm (1/2"), 16 mm (5/8") and 23 mm (29/32") OD. Special sizes can be made to order, subject to minimum quantity order.

