



Foreign Material Exclusion (FME) Requirements

Following clause is applicable to all materials, strictly followed without any deviation:

Prior to shipment, all material/items shall be verified to be free from foreign material and protected from intrusion of foreign material during shipment. Failure to comply with this requirement could result in the item being returned for replacement or refund. Supplier shall ensure that:

1. Fluid system components shall have all openings covered with caps, plugs, or covers and the protective device used shall be clearly visible. For smaller items, it is acceptable to individually bag/box and seal the item to provide foreign material exclusion. Sensitive sealing surfaces shall be protected where applicable. Items containing desiccants shall be boldly labelled with warnings to remove desiccants prior to installation.
2. Electrical devices shall be packaged to prevent fouling of contacts, connectors, ventilation openings, heat sinks, and other sensitive electrical surfaces. Electrical devices containing desiccants shall be boldly labelled with warnings to remove desiccants prior to installation. Items sensitive to electrostatic discharge shall be labelled as sensitive to electrostatic discharge and packaged in anti-static bags/material.
3. Do not use tape as an actual FME barrier. Tape can be used to hold a barrier or cover in place as long as it is not touching a sealing surface or precision component. Plugs or caps can be secured with tape or other means as necessary to prevent accidental removal. Authorized duct tape or removable tape should be used in lieu of adhesives in contact with bare metal surfaces. Any tape or adhesive which could have damaging effects on the item or system shall not be used.
4. Ensure smaller items and parts cannot be introduced into openings, cavities or larger parts and equipment during packaging and shipping. The packing list should clearly identify every item included with shipment, including desiccants, parts (seals, gaskets, lubricants, and mounting hardware) and any FME protective caps, plugs, covers or devices.
5. Protective devices that have been painted over during production processes shall be replaced or otherwise made clearly visible. If any FME protective caps, plugs, covers or devices are installed that will allow for assembly / reassembly without removal of the cap, plug or device, a label should be affixed to the pipe/component clearly indicating the installed plug.