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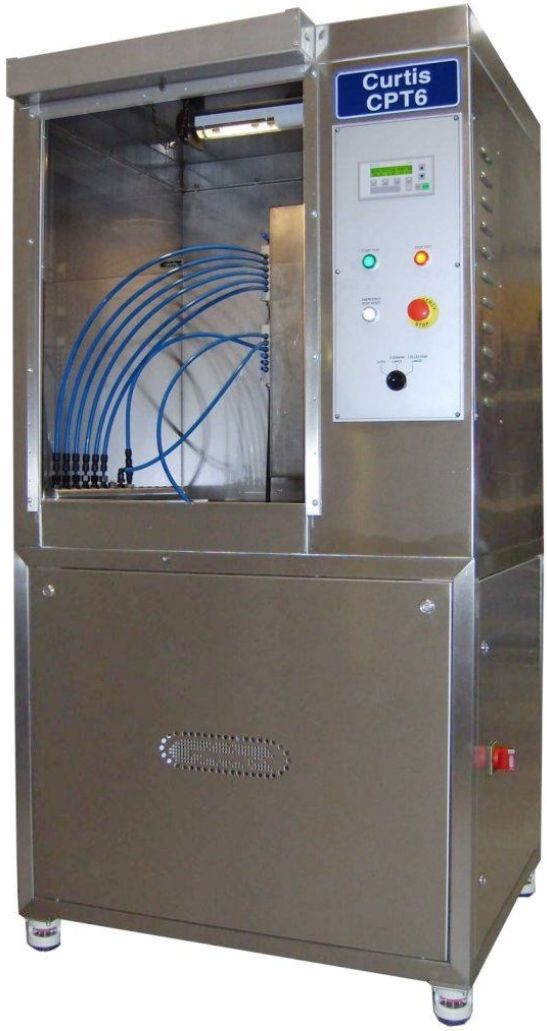
CURTIS PATCH TEST CABINET

Description:

The cleanliness checking cabinet is primarily used to check the cleanliness of finished components prior to shipment/usage at any stage of the manufacturing process. It is intended to be used in a clean room environment.

Fluid is passed through the component to flush it through and collect any debris present. The debris is collected and analysed to determine the cleanliness of the component. Components of almost any shape may be checked using this apparatus, the limitations being the internal dimensions of the cabinet. The working area may be connected to a factory air extraction system or the air re-circulated through an optional integral carbon filter to prevent fumes escaping from the cabinet.



Curtis Patch Test Cabinet

Operation:

The component to be checked is loaded into the cabinet where connections are made to the inlet and the outlet. Pressurised fluid is passed through a 0.8 micron filter to ensure it is clean before being passed through the component. When the fluid exits the component it passes through a test patch, the underside of which has a negative pressure applied to draw the fluid through. When a specified amount of fluid has been passed through the component for a pre-set time the flushing process is over. The patch is removed from the machine and then analysed using external equipment to determine the cleanliness of the test component.

Specifications:

Pressure:	Up to 6 bar on the inlet side
Flow:	Up to 8 L/min
Fluid Temperature:	Ambient
Flushing Fluid:	Castrol Solvent AS58
Filtration:	0.8 microns prior to entering component