

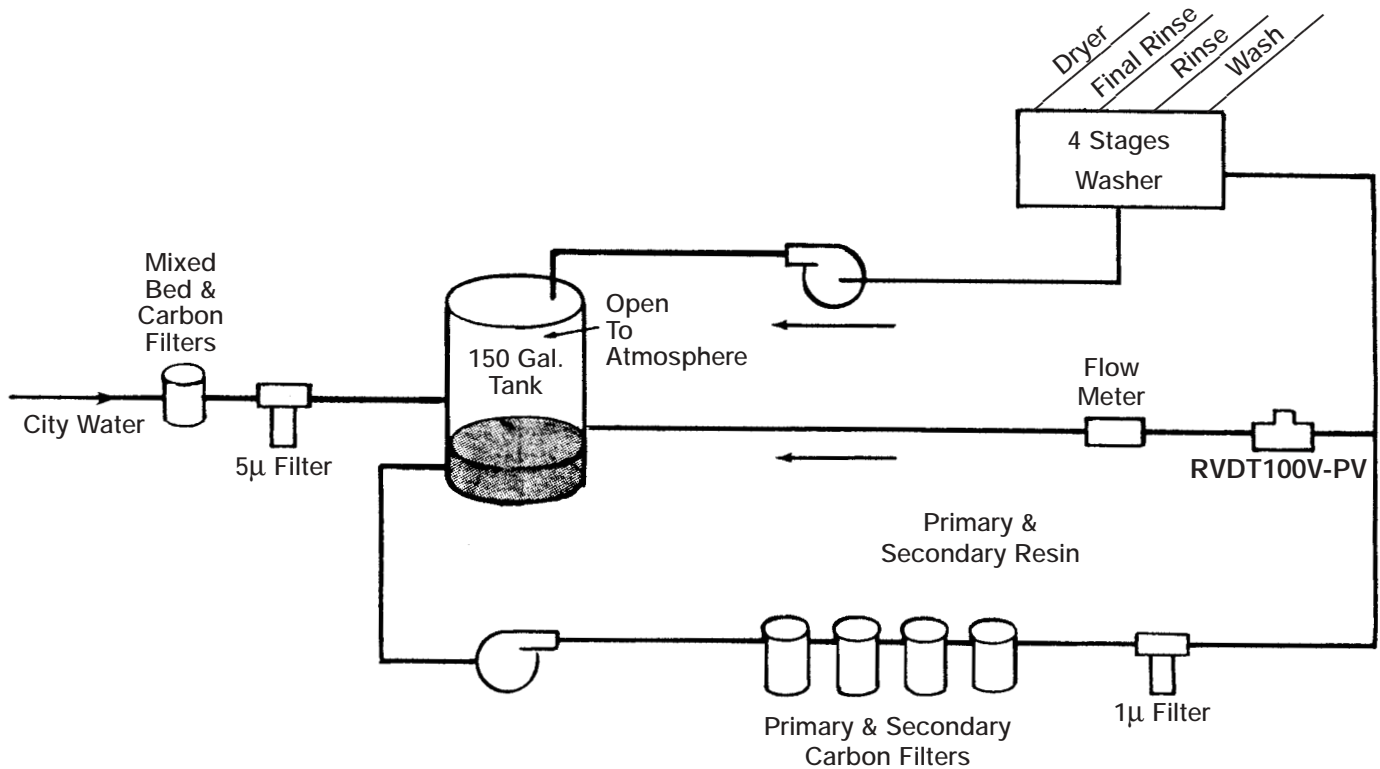
MARKET Printed Circuit Board Manufacturing

PRODUCT(S) RVDT100V-PV By-Pass/Relief Valve

REQUIREMENT To provide a synchronous by-pass function with a washer in a closed-loop system.

PROCESS FLUID(S) 16 Meg/ohm D. I. Water

INLET PRESSURE/TEMPERATURE 55 PSI / Ambient



An electronics manufacturer utilizes a closed-loop, de-ionized water system to supply a multi-stage P. C. board washing machine. A Series RVDT By-Pass Valve provides re-circulation to the storage tank when the washer is de-activated. The valve will close upon activation of the washer. This occurs via a pressure loss on the inlet of the valve (when the washer requires water). This process permits continual circulation and water purification.

The model RVDT100V-PV was specified for its PTFE diaphragm, to maintain purity, and to accommodate a nominal and maximum flow rate of 9 1/2 and 15 GPM respectively. The RVDT's large area diaphragm provides the sensitivity that the washers demand due to the system's flow rates and pressure variations.

NOTE: Bulletins are intended only to show possible applications of Plast-O-Matic products and are not design recommendations for a system or its safety. See statement of limitations in front of manual.