

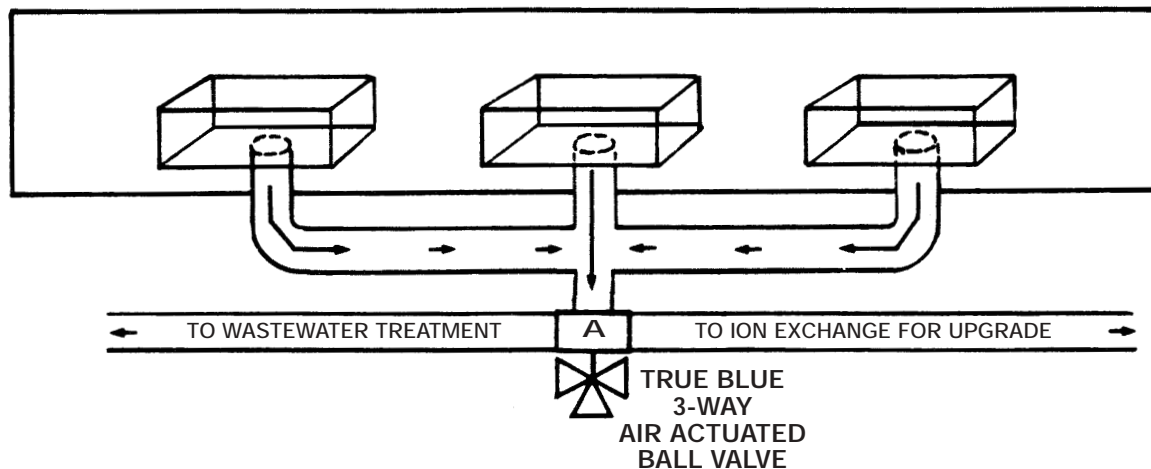
MARKET Semiconductor Manufacturing – Etching and Rinsing

PRODUCT(S) 3-Way True Blue Ball Valve Series TABVS200VS-PV

REQUIREMENT To divert corrosive used rinse water to either the waste treatment facility or ion exchange equipment.

PROCESS FLUID(S) Hydrofluoric (HF) Acid and D. I. Water.

INLET PRESSURE/TEMPERATURE Gravity Feed / 90°F



Following the etching process of quartz tubes with hydrofluoric (HF) acid the tubes are transferred to rinse stations where they are sprayed/rinsed clean of any HF residue with high purity de-ionized (D. I.) water. The resultant mixture of HF and D. I. water is then checked for

resistivity as it drains. Depending upon these resistivity readings, the 3-Way Pneumatic True Blue Ball Valve directs the mixture to the wastewater treatment facility for neutralization or to ion exchange treatment for purification.