

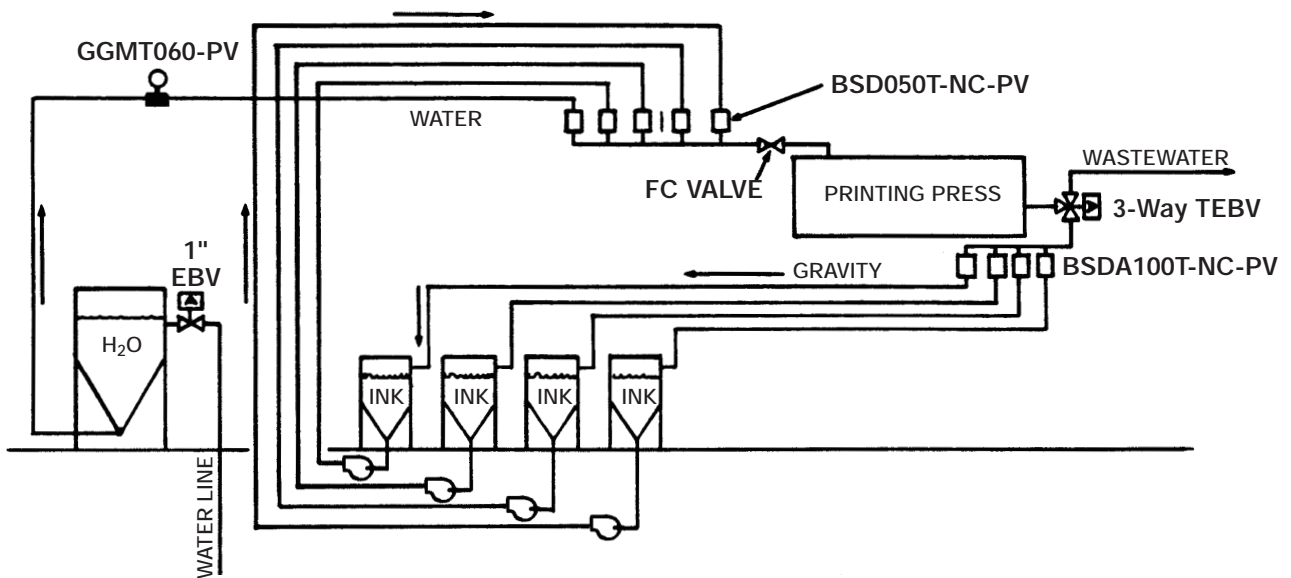
**MARKET** Printing – Ink Distribution

**PRODUCT(S)** Series BSD050T-PV, BSDA100T-PV, GGMT060-PV, FC050EP-1-PV, EBV075EPT-PV and TEBV150EPT-PV

**REQUIREMENT** To provide various corrosion resistant valves for system control of inks to printing presses.

**PROCESS FLUID(S)** Printing Inks and Water Flush

**INLET PRESSURE/TEMPERATURE** Gravity to 40 PSI / Ambient



Water-based printing inks are corrosive and tend to adhere to and build-up on valve seal surfaces causing leakage. The Series BSD Diaphragm Valves (pressure supply valve) were chosen for their non-adhering PTFE diaphragms and automation of ink delivery that was previously fed by manual valves. Once the presses stop another BSD opens, allowing water to flush the line. The 3-Way TEBV True Blue

Electric Actuated Ball Valve, having drained the remaining ink from the press through the Series BSDA and back to the ink tanks passes the waste water (ink residue and water) on to the treatment area. The Series GGMT Chemical Gauge Guard (with PTFE diaphragm) monitors the water pressure while the Series FC Flow Control Valve assures a constant flow rate of ink to the press during printing time.