

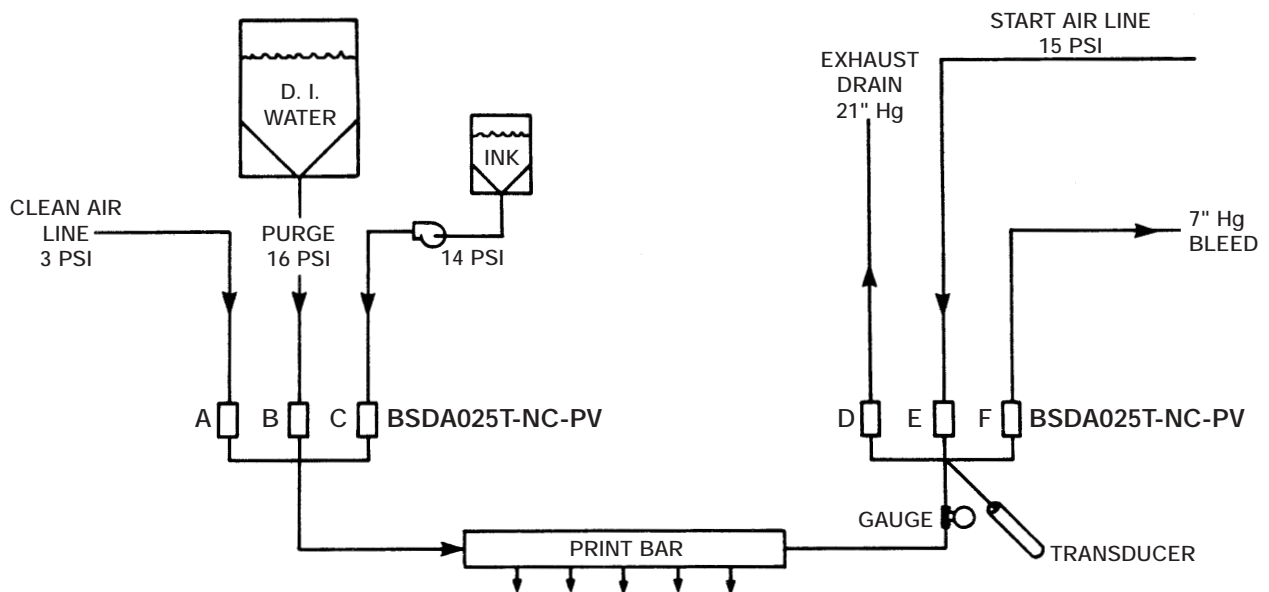
MARKET Printing – Ink Jet

PRODUCT(S) Series BSDA Air-Operated Diaphragm Valves with Attached Diaphragms

REQUIREMENT To provide a corrosion resistant valve for system control of ink to printing jets.

PROCESS FLUID(S) D. I. Water and Ink

INLET PRESSURE/TEMPERATURE 21" Hg Vacuum to 16 PSI / Ambient



Water-based printing inks are corrosive and tend to adhere and buildup on valve seal surfaces causing seal leakage. The Series BSDA, attached Diaphragm Valves were chosen for their non-adhering PTFE diaphragms. First valves B and E will open, this clears the print bar sprayers. These valves will close and then valves C and F open, this

will draw the ink through the system; once this is done valve F closes. When printing is finished valve C closes, B and D open, this in turn flushes the system with D. I. water. Last, B will close and A will open. This directs air through the system to dry it out.