

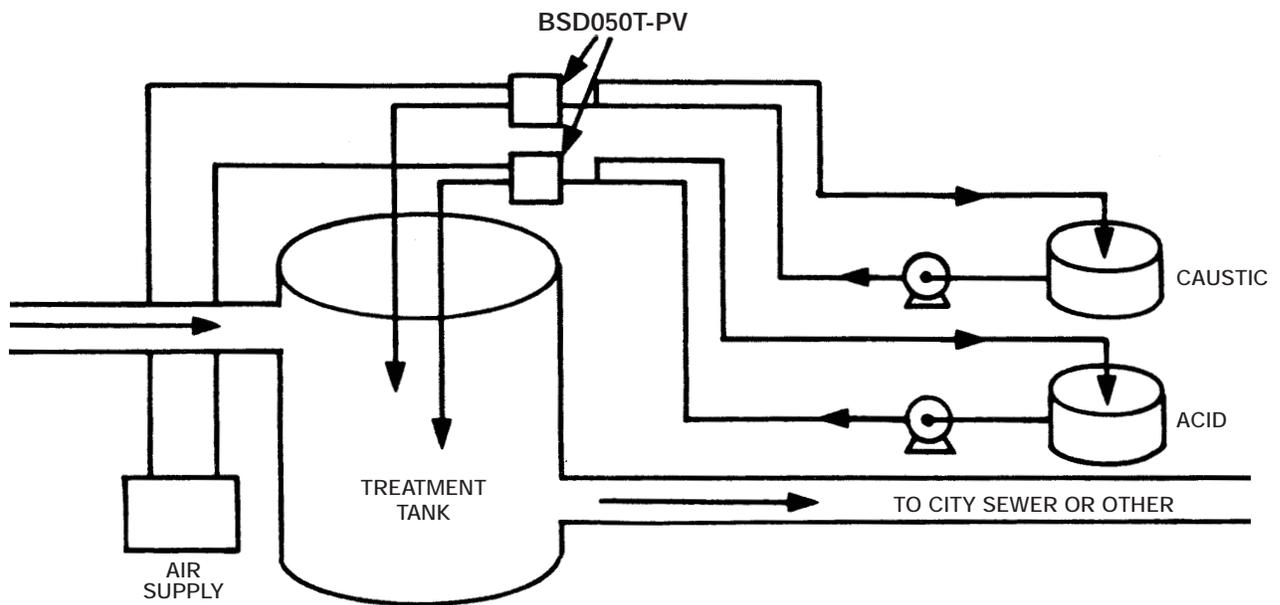
MARKET Chemical Feed – pH Control

PRODUCT(S) Series BSD050T-NC-PV Air-Operated Diaphragm Shut-Off Valve

REQUIREMENT To provide instantaneous open/close with bubble-tight sealing of corrosive chemicals.

PROCESS FLUID(S) Sodium Hydroxide (caustic) 50% and Sulphuric Acid 93%

INLET PRESSURE/TEMPERATURE 30 PSI / Ambient



The effluent wastewater solutions from a manufacturing area are typically sent into a treatment tank where either a caustic base to raise pH, or acid to lower pH, is injected to bring the pH into acceptable environmental levels. Series BSD Air Operated Valves were selected

because of the valve's inert PTFE diaphragm and ability to flush crystals through the orifice with long lasting cycling and reliable performance. Each pressurized feed line is tee'd just ahead of the valve to maintain pressure.