

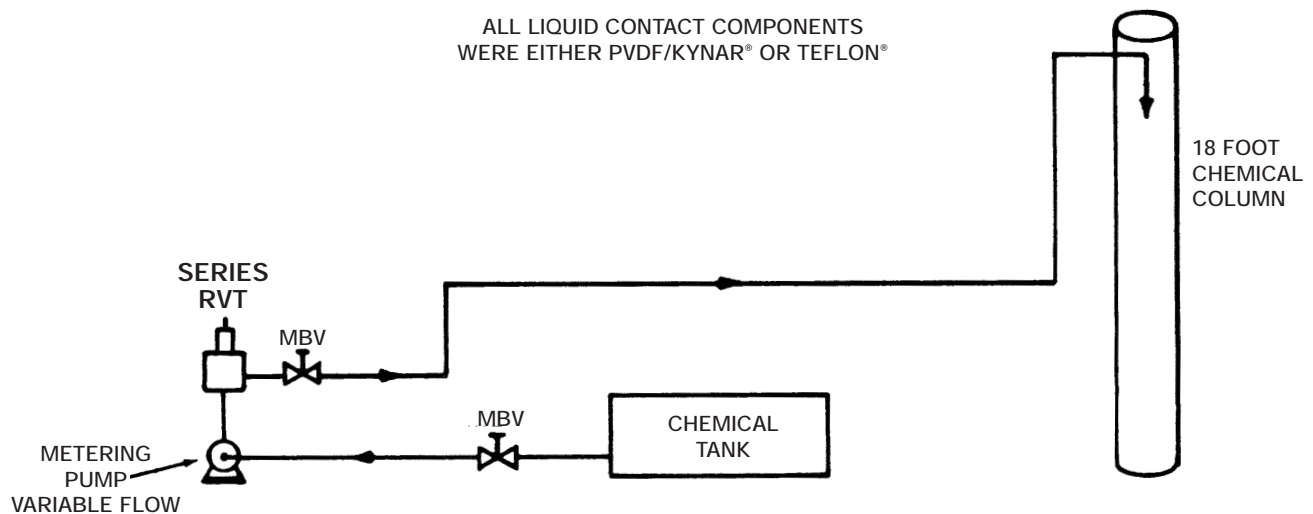
MARKET Speciality Chemicals Manufacturing

PRODUCT(S) Series RVT075V-PF Relief Valve

REQUIREMENT To provide back pressure on pump discharge to smooth flow and increase pump performance.

PROCESS FLUID(S) Proprietary Additives

INLET PRESSURE/TEMPERATURE 40 PSI



Manufacturer of specialty chemicals for the semiconductor industry required a backpressure valve to be installed directly in the pump discharge line (set at 20 PSI) to provide resistance to a variable flow chemical metering pump and act as a positive check valve when pump was off (to prevent

reverse flow back into tank). Virgin, non-pigmented Kynar® PVDF Series RVT was selected due to its chemical resistance and non-contaminating, non-leaching properties. Teflon® shaft, U-cup design was critical for cycle life since valve had to cycle thousands of times per process cycle.