

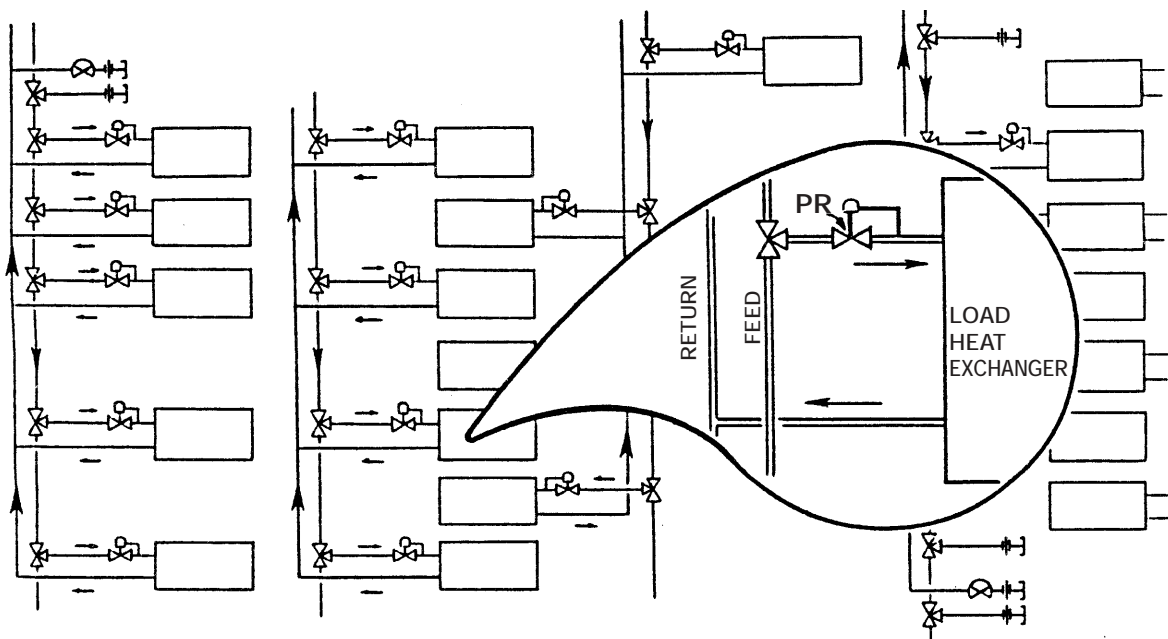
MARKET Semiconductor

PRODUCT(S) Series PR, Pressure Regulator

REQUIREMENT A means to regulate incoming pressure from 80 PSI down to a set pressure of 40 PSI, while providing maximum flow.

PROCESS FLUID(S) De-ionized Process Cooling Water

INLET PRESSURE/TEMPERATURE 80 PSI / 60°F



A leading Semiconductor manufacturer required an extremely dependable valve to regulate pressure to their load heat exchangers. The company has over 300 heat exchangers per fab. Plast-O-Matic Valves model PR050V-PV was specified for its flow rate of 6 GPM at a droop (set pressure minus dynamic downstream pressure) of 6.5 PSI. This regulator provided the velocity

needed to gain maximum heat exchange efficiency. During the specification process, the customer determined that Plast-O-Matic Valves Series PR flow capacity and sensitivity was 6 times greater than competitive regulators, thus making Plast-O-Matic Valves Series PR the corporate approved regulator for its fabs worldwide.

NOTE: Bulletins are intended only to show possible applications of Plast-O-Matic products and are not design recommendations for a system or its safety. See statement of limitations in front of manual.