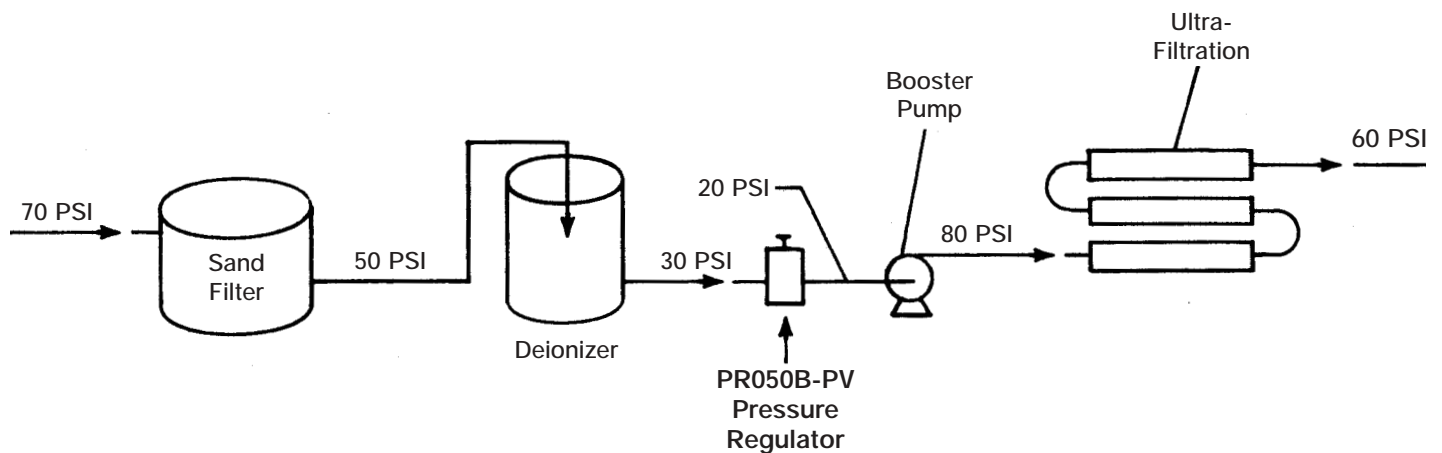


MARKET Water PurificationPRODUCT(S) Pressure Regulator, Series PR050B-PVREQUIREMENT To provide constant feed pressure to suction of high pressure booster pumps.PROCESS FLUID(S) Purified WaterINLET PRESSURE/TEMPERATURE Varying / Ambient

During the purification process for ultra-pure water it passes through numerous pieces of equipment (sand filters, deionizers, R.O. (Reverse Osmosis), etc. As the water flows from stage to stage its pressure drops and must be increased at some point to enter the next piece of equipment. Booster pumps are used for this purpose-taking a

lower pressure flow and increasing it to a desired higher pressure. However, these pumps work most efficiently if their suction pressure is constant. The installation of a Series PR Pressure Regulator on the suction feed provides a constant pressure to the pump regardless of varying line pressures into the Regulator.