

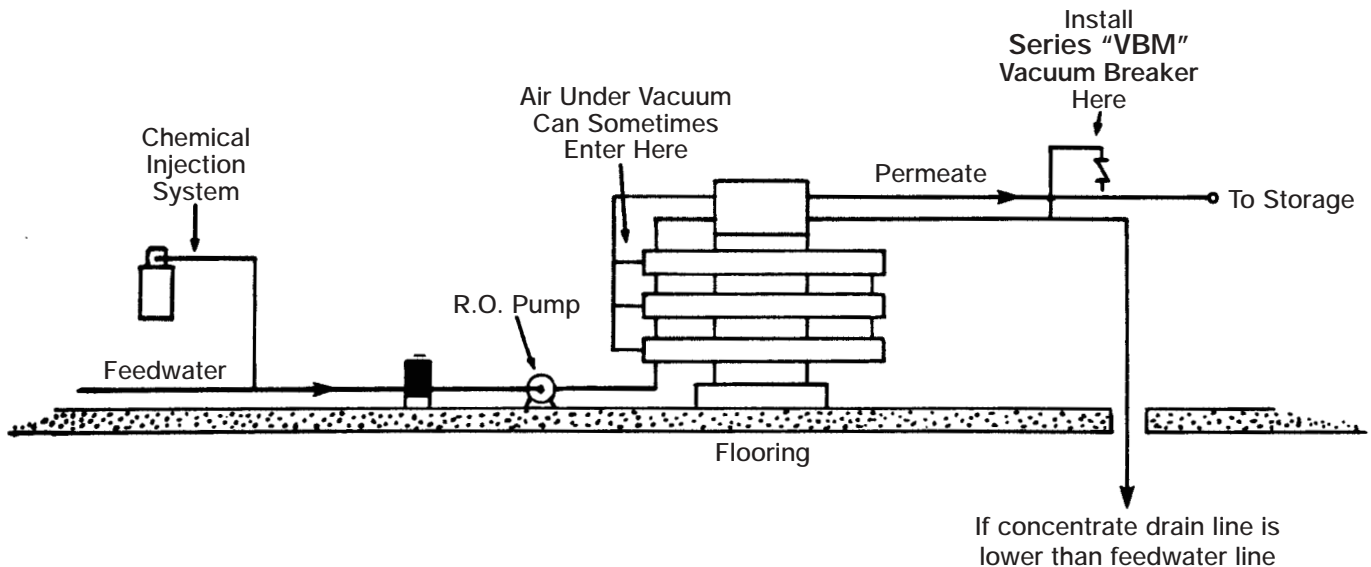
MARKET Reverse Osmosis (R. O.) Systems For Water Purification

PRODUCT(S) Series VBM Vacuum Breakers

REQUIREMENT To prevent chemicals from being siphoned into the R. O. feedwater line.

PROCESS FLUID(S) R. O. concentrate reject water.

INLET PRESSURE/TEMPERATURE Up to 80 PSI, normal – or vacuum



Reverse osmosis systems are commonly used to produce high purity water in industries such as semiconductors, pharmaceuticals and biotechnology. Preceding R. O. units are chemical injection tanks. Chemicals are drawn from the tank as a result of the suction of the tank(s) even when the R. O. system is

shut-off. This can commonly occur if the concentrate or permeate pipelines are plumbed so that their exit points are below the R. O. unit. The vacuum caused by such plumbing can be eliminated by installing a Vacuum Breaker (Series VBM) at the highest point of the pipeline in question.