

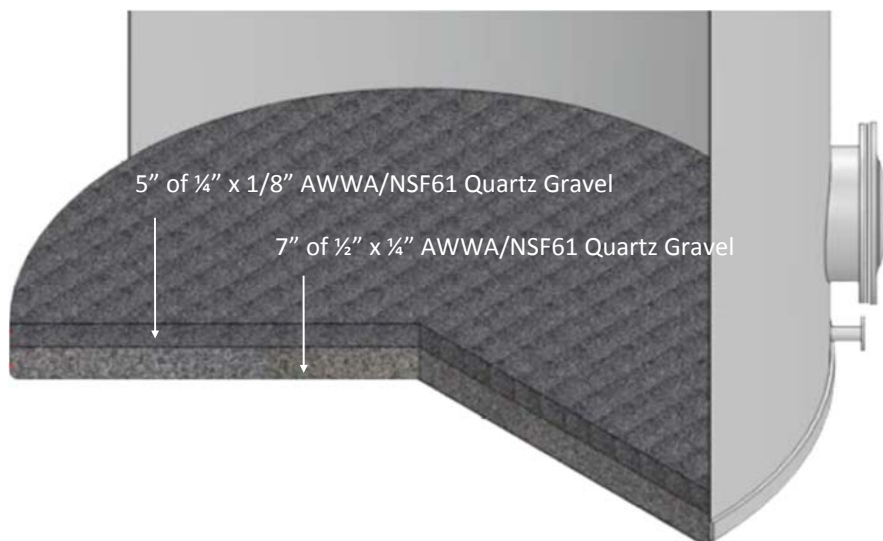


Brine Make-up & Storage Systems

## The Gravel Bed

Morton Salt recommends that your briner collection plenum be covered by 12" of gravel. The bottom 7" depth consisting of 0.25" - 0.5" graded gravel. The top 5" depth consisting of 0.125" - 0.25" graded gravel. The gravel bed serves as a "**filtration zone**", encourages uniform cross-sectional draw of brine, and provides for physical protection of the collection plenum piping.

The Gravel Bed as identified as an option within our proposals is AWWA/NSF washed quartz gravel and conforms to Morton Salt guidelines.



If the salt being used in your bulk briner is **Southern Rock Salt**, then a gravel bed is not necessary (reference Morton Salt). "The filtration zone of the brinemaker is the 36" of salt and sludge below the water inlet and covering the brine collection cistern. Calcium sulfate anhydrite, a component of southern rock salt, forms an excellent filter bed. During cleanout, 6" - 12" of sludge should be left undisturbed as a filter bed."