

## Challenge

### Background

The customer was having trouble with the performance of their mechanical packing in their current pump. The packing seal would hold for only a few hours and required three sump pumps constantly running to keep up with the leaking brine.

## Solution

### Product

We recommended switching the current 5/8" expanded TFE/graphite packing that the customer was using to **Chesterton 2211 DualPac packing** with a combination of end ring and seal ring configuration to lessen extrusion.

## Results

### Increased Reliability

The **Chesterton 2211 DualPac packing** drastically improved the situation. The packing sealed well for three weeks, producing only a small, steady stream of water. The customer was able to continue operating with only one sump pump running intermittently. The packing was eventually removed only due to a separate, nonrelated issue.



*Old rings of failed anti-keystone packing.*



*Damaged packing ring saturated with brine.*



*Chesterton 2211 DualPac packing.*