

TECH BRIEF

MATERIAL SELECTION IN HYDROGEN SERVICE

Material selection in hydrogen gas service is of utmost importance. In this example, an inline check valve was found to be split down the middle. The valve was later found to be 303 SST, which is prone to stress corrosion cracking in hydrogen systems. When it comes to hydrogen system builds, plan for some extra time by your procurement team to ensure materials are correct and each component has the associated pedigree.