



Industry leaders are choosing Sussman for CBD extraction

Customer

Pinnacle Stainless

Key Business Objectives

Provide superior extraction, solvent recovery, filtration, and distillation systems for safe extraction of high-quality oil from plant based biomass, including CBD and THC from cannabis.

Profile

Designs and builds vessels, piping, and any other extraction product in its Denver, CO shop. All machines, parts and components are made in the U.S.A. of the Pinnacle Stainless skid package to help maintain the highest levels of quality, clarity, yield, and product value when purifying CBD and THC.



Situation

Pinnacle Stainless needed high-quality, American designed and assembled electric steam boilers that would be part of its solvent recovery skid package. The skid is part of a complete solution that extracts CBD from cannabis safely and efficiently. An engineering-driven company, Pinnacle prides itself on designing food-grade and highly sanitary products that are UL 1703, ETL Class I, Division 2, (C1D2) certified.

The electric steam boiler they selected needed to meet their stringent requirements, which is based on the Pinnacle team's experience in food and pharmaceutical manufacturing. The boiler – like all the components in their skids – had to be highly reliable. It also had to be backed by a stable company with the highest level of support.

Solution

Pinnacle Stainless engineers were so impressed with a used Sussman boiler they designed into a skid package, that they specified new Sussman models into their solvent recovery skids. The boiler is UL listed, is ASME stamped and is designed and assembled in the U.S.A. The high quality of the boiler was matched by the customer service and support provided by Sussman, and it's 100+ years of engineering.

"We work with a lot of suppliers and Sussman is at the top. They've done such a good job that we have never had to worry about the boiler," said Zach Harris, owner and lead design engineer. He also noted that Shamrock Sales, Inc., the local Sussman manufacturer's rep, has also provided valuable support. "Given the urgency and tight timelines associated with some of Pinnacle Stainless' designs, the expertise and attention of Sussman and Shamrock have been vital," added Harris. Pinnacle has purchased dozens of Sussman electric steam boilers for their skids.

Result

The Sussman electric steam boiler provides consistent and reliable operation when re-warming the solution. The boiler integrates seamlessly with the other components of the Pinnacle Stainless skid package to help maintain the highest levels of quality, clarity, yield, and product value when purifying CBD and THC.

