

SFE SERIES | FOR SUPERCRITICAL FLUIDS

Regulators and valves optimized for use in supercritical applications

*We have been working in conversation with supercritical systems engineers to optimize a new series of regulators and valves for use in supercritical fluid applications. Premier Industries **SFE Series** regulators and valves are elastomer free, designed to stand up to the aggressive, solvent-like qualities of supercritical fluids like $s\text{CO}_2$, while providing reliable and precise pressure regulation in the most demanding application conditions.*

SFE SERIES SEALS

Supercritical processes are tough on seals. That's why we developed a proprietary sealing system that uses elastomer-free polymers, specially formulated for use in dynamic conditions.

MODEL SELECTION

Our unique sealing system allows us to fit a variety of Premier Industries regulators and valves for use in supercritical applications. So, whether you are looking for a pressure reducing or a back pressure regulator, a high pressure or a low pressure regulator, our team here at Premier would be happy to work with you to find the a Premier SFE Series regulator for your application.

MATERIAL SELECTION

*All SFE regulators are available in a variety of materials and configurations. Contact a Premier Industries representative to configure a **SFE Series** regulator to suit the demands of your application.*