

# Sanitary Clamp Comparison

See the Difference in Safety and Performance



## When Safety Matters Most, Choose a Clamp Designed to Protect

In regulated pharmaceutical and hygienic processing environments, clamp performance directly impacts safety and compliance. ACL Hygienic Safety Clamps are engineered with 316L stainless steel, patented leak-before-burst protection, and integrated lockout security to reduce corrosion risk, prevent accidental release, and protect validated processes under high pressure and high temperature conditions.

	ACL Safety Clamp	Competitive Lever-Style Sanitary Clamp
<b>Design Features</b>	Safety-first, tamper-resistant design with <b>leak-before-burst performance</b> to help prevent sudden catastrophic failure	Preset lever closure that can over-compress or release unexpectedly
<b>Compression Method</b>	<b>Patented stepped eyebolt</b> with gated clamp requires deliberate loosening, reducing risk of accidental opening	Lever mechanism adjusted each use, increasing variability and improper compression risk
<b>Safety / Lockout</b>	Shrouded hex nut with <b>integrated lockout</b> accepts standard locks for controlled process security	Limited lockout capability not designed for regulated access control
<b>Performance</b>	Design promotes repeatable hygienic sealing and contamination control, even during pressure fluctuations	Dependent on manual adjustment, creating variability in sealing performance
<b>Material</b>	<b>316L Stainless Steel:</b> Higher corrosion resistance for CIP, SIP, steam, and aggressive media	304 Stainless Steel: Lower corrosion resistance in harsh cleaning environments
<b>Compliance</b>	<b>CE, ASME BPE, PED, ASME BPVC</b> compliant for regulated pharmaceutical applications	ASME BPE capable only
<b>Pressure Rating</b>	<b>Up to 725 PSI</b> depending on size, supporting demanding high-pressure processes	Up to 450 PSI depending on size and temperature, limiting use in critical systems
<b>Color Coding</b>	<b>Color-coded wing nuts and hex nuts</b> for fast visual identification and process control	Silicone bands for basic identification
<b>Key Benefits</b>	Enhanced operator safety, contamination control, higher pressure capability, regulatory confidence, patented protection	Faster changeovers with limited safety and pressure performance