



**APPLICATION SUMMARY**

When one of your heart valves fail, you want the replacement to be able to endure the rigors of the human body. TAVR and TVMR valves need to have the durability and reliability to remain in a patient indefinitely. Durability in this case is survival at extremely high blood pressures, since the last thing the patient or the doctor wants is the valve to fail during a cardiac event. To accomplish this, a load cell is coupled between a linear actuator and a syringe piston that is pumped down forcing fluid into a small pressure vessel allowing the system to hold at a constant pressure.

**PRODUCTS IN USE**

1 LCM Series In-Line or LSB S-Beam Tension and Compression Load Cell paired with a USB220 Data Logging System.

All FUTEK application illustrations are strictly conceptual. Please contact us with questions.

