

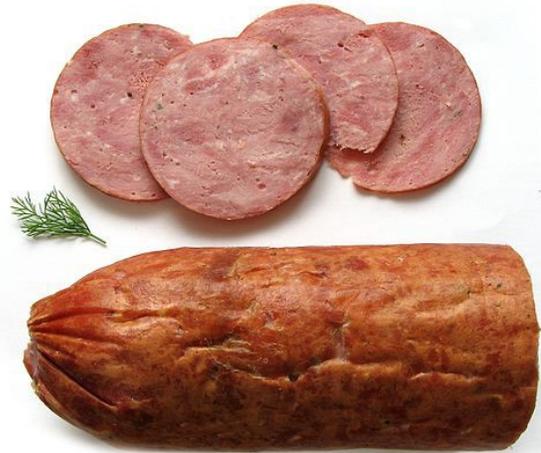
# Monitor elasticity and leak test

## APPLICATION C158

Type of Company: [Manufacturer, Edible Collagen Casings](#)

Location: [New Jersey](#)

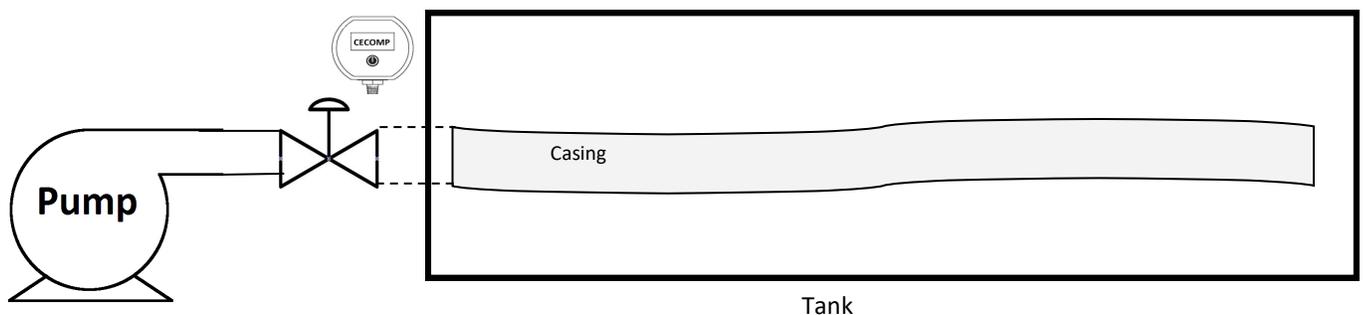
Collagen has a wide variety of applications, from food to medical. It is widely used in the form of collagen casings for sausages (interestingly also used in the manufacture of musical strings!). The importance of collagen is that it is a biopolymer, a natural material which is readily assimilated by the human body. During the sausage casing manufacturing process, 30 foot links of casing must be inflated to 1.5 psi and submerged in a water bath. This tests the casing for both elasticity and leakage.



By Mariuszbie - Own work, <https://commons.wikimedia.org/w/index.php?curid=2908283>

## The Engineering Issue

- The engineer has to accurately and reliably monitor the air pressure inside the inflated and submerged casing.
- They also want an easy-to-read local visual indication of the pressure.



The engineer used a Cecom DPG1000B to monitor the pressure test. This gauge is ultra-rugged, very accurate and easy to read.

**Problem. Solved.**