What causes surge or water hammer in a pumping system?
The sudden closure of a valve with the pump running or the loss of power to the pump creates a dramatic change in pressure, which can often have dangerous and catastrophic results. Surge Shield™ can give and accept the pressure energy change to keep your pump’s piping safe and running smoothly. When coupled with Blacoh's patented SurgeWave™ Transient Pressure Monitoring System, you have the comprehensive answer to show what is happening to your system during a surge event and how to protect it.

With 40 years of experience, Blacoh introduces the next evolution of surge vessels.

**STANDARD: 25-500 GALLONS**

Custom: up through 40,000+ gallons

Surge Shield™ is the latest advancement of pump and pipeline protection from Blacoh. This innovative line is specifically designed to address the challenging water hammer conditions found in your facility's pumping system. With standard sizes to fit tight confines and material variety to cover diverse applications, Surge Shield™ is ready to give you the long term solution for maintaining pump and piping integrity.

**INDUSTRIES & APPLICATIONS:**

- Chemical Process
- Petrochemical
- Industrial Process
- Wastewater/Potable Water
- Mining Process

**ENGINEERED FOR THE ESSENTIALS**
STANDARD FEATURES FOR ALL SIZES:

- Inlet Port: standard 4" ANSI 150# flange; larger flange sizes available
- MAWP: 275 psi
- Temperature: 0-120 °F
- Safety Relief Valve: Stainless Steel
- Gauge: Stainless Steel
- Gas Fill Valve: Stainless Steel
- Bladder Options: PVC, Polyurethane, Buna, & Viton
- Coating: NSF-61 Epoxy (Inside), Primer & 2-Coat Epoxy (Outside)
- ASME Section VIII, Division 1 with U Stamp

For customized materials and additional options, contact Blacoh.