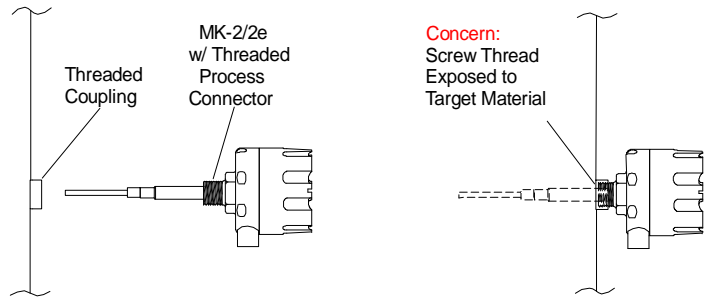


Many industries make use of either **screw threads** or **flange** plates when attaching a level sensor to a process vessel. However, some specialty industries use yet a different type of process connector know as **Tri-Clamp**.

Tri-Clamp fittings are typically used by industries which produce biologically or chemically sensitive substances, including food production. Such industries frequently clean and sanitize their process vessels. These industries find the mounting thread and flange schemes difficult to thoroughly clean. The **Tri-Clamp** connection scheme addresses these difficulties. It significantly improves the inerrant cleanliness of the mounting and reduces the time required to dismount a sensor for the required periodic cleanings.

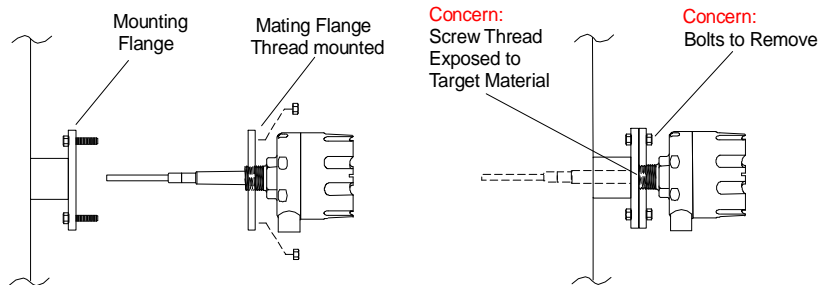
Screw Thread

- PRO:
- Economical
 - Common
- CON:
- Difficult to remove sensor, often requires wire disconnections
 - Threads can harbor residue from previous process cycles



Flange Plates

- PRO:
- Capable of High Pressure Seal
 - Common in some Industries (i.e. petrochem)
- CON:
- Much work to remove sensor, often requires tools
 - Recesses, seams, joints, and threads can harbor residue from previous process cycles



Tri-Clamp

- PRO:
- Sanitary, readily cleaned
 - Allows quick removal of sensor without tools
- CON:
- Cost

