8/28/23

Bray Introduction Call

Full SD team

<people from Bray>

Our initial questions:

What type of actuated valves?

How is the valve going to be used?

What is the size of the valve?

What fluid medium?

What are the constrained characteristics/ properties of the final product?

Is there a degree of precision/ accuracy the final product should have?

Are there any vendors you prefer we use for manufacturing?

What resources from Bray are made available for us?

Are there any size constraints?

How does the collected data of torque and position of the valve increase the lifetime of the valve?

Meetings Notes:  
Oscar - senior design engineer (acctuator support)

Justin- ball valve engineer (valve support)

Added method of determining valve leakage

Using a ball valve or butterfly valve (Rotary valves) \*\*\*use cross section view\*\*\*

Torque bracket

Finding a way to get the torque measured embedded in the actuator

Determine leakage of valve in a very cost effective manner

Other sensors that can be added to add value to the valve

**Customers care about leakage**

**Customers care about torque**

Monitor performance of the valves and use trends to increase lifetime and locate the need for preventative maintenance