

## Temperature control: bi-metal actuator

- We needed a robust and simple thermostat valve to open for cold oil at a set temperature (about 220 deg. C) on the heating side
- A pipe in pipe method was constructed, where an inner pipe rotates and opens for overlapping holes between the pipes
- A bi-metal spring was attached to an inner pipe and the unit is submerged in the oil to be temperature controlled by the inflow of cold oil
- The system is simple and works well

