

Piping Questionnaire - Part 4: Gaskets and Flange Face Finishes

Q1. How are gaskets classified based on their construction? Gaskets are classified into the following types:

- Full Face
- Spiral Wound Metallic
- Ring Type Joint (RTJ)
- Metal Jacketed
- Inside Bolt Circle

Q2. Which type of gasket is recommended for high-temperature and high-pressure applications? The Spiral Wound Metallic Gasket is highly recommended for extreme temperature and pressure services.

Q3. What are the criteria for selecting the material for a spiral wound gasket? The material depends on three main factors:

1. The corrosive nature and concentration of the fluid.
2. The operating temperature of the fluid.
3. The relative cost of alternative winding materials.

Q4. What are the types of serrated finishes provided on a flange face? Flange serrations can be either:

- Concentric Serrations (distinct circular grooves)
- Spiral / Phonographic Serrations (one continuous spiraling groove)

Q5. What should be the AARH finish on a flange face when using a spiral wound gasket? The recommended Arithmetic Average Rough Height (AARH) finish on the flange face for a spiral wound gasket is 125-250 AARH.

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