



INTERPRETATION: IIAR SC 2022-1, IIAR 2 Valve Flanges

FINALIZED: October 24, 2022

SUBJECT: Valve Flange Compliance Standards

BACKGROUND:

IIAR 2-2021, Section 13.2.6.1 states, “Flanges shall be in accordance with ANSI/ASME B16.5, shall comply with the requirements of ASME B31.5, and the flange class shall be based on the design working pressure and the maximum working temperature at the design working pressure.

QUESTION 1 (paraphrased):

Does this mean that flanges supplied as part of traditionally-used, smaller-sized, ammonia refrigeration valves, which do not meet the dimensional requirements of ANSI B16.5, cannot be used unless required as part of the valve or equipment to which it has been tested?

ANSWER 1: No. It is permitted to use flanges that meet the requirements of ASME B31.5 but that do not necessarily meet the dimensional requirements of ASME B16.5.

COMMITTEE

ACTION:

In the next revision cycle, revise IIAR 2, Section 13.2.6.1 to read: “Flanges not in accordance with the dimensional requirements of ANSI/ASME B16.5 shall comply with the requirements of ASME B31.5 and the flange class, or pressure and temperature rating, shall be based on the design working pressure and the maximum working temperature at the design working pressure.”