

INTERPRETATION: IIAR SC 2012-1

SUBJECT: ANSI / IIAR-2, 2008 ADDENDUM A, Section 11.3.3

DATE ISSUED: JANUARY 6, 2012

REVISED: March 10, 2017

QUESTION:

Section 11.3.3 was revised to allow an exception for ASTM A120, A53/A120, or A53 Type F to be used as relief piping. Considering this exception, is it permissible to use type A 197 iron fittings in the piping network?

Revised Answer:

IIAR 2-2014 permits the use of malleable iron ASTM A197 fittings per Section 15.4.3, exception 2.

Original ANSWER:

Per the standard, the use of A 197 fittings is not currently allowed because it is not included in the list of allowed fittings. The Standards Committee examined various aspects of ASME B31.5 and the ASHRAE standard 15, and in doing so has found no compelling reason to allow type A 197 fittings at this moment. The committee has determined that in general, iron fittings are not acceptable for use with ammonia. Further, the IIAR tries to be harmonious with ASHRAE 15 so long as there are few or insignificant consequences of doing so. The use of type f piping was reluctantly accepted (with recommendations for handling) as a result of this reasoning, and the fact that it is steel. The Standards Committee does not wish to deviate from ASHRAE 15 on this issue in the form of an interpretation.

Original COMMITTEE ACTION:

This request will be logged and will be considered during the re-affirmation of IIAR 2 beginning in 2013. The issue will also be raised at the ASHRAE piping committee meeting in January, 2012.