

ASME B31.3-2012 Piping Option

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Corken now offers an ASME B31.3 piping option for all of its compressor packages/skids. This piping option is designed, built, and inspected for Normal Fluid Systems with welded 2" and 3" A106 carbon steel pipe as specified in ASME's B31.3-2012 code.

Corken will keep records of visual, radiographic, and hydrostatic test results for each weldment (all welded connections) made for your process gas piping. More specifically, Corken will perform the following services:

1. Design the process piping as specified in the code and apply the following procedures:
 - Use pre-qualified components wherever possible.
 - Non-prequalified components will be qualified for use by being proof tested as described in ASME B16.9.
2. Perform visual examinations of 100% of the welds in every weldment.
3. Submit 5% of the welds in every weldment for radiographic examination.
4. Perform a hydrostatic leak test at 1.5 times the design pressure on every weldment in the process piping network.
5. Perform an air test at 1.1 times the design pressure on the completely assembled process piping network.
6. Make the records of these examinations and tests available to the owner's inspector at an appointed time prearranged by the owner and Corken.
7. Provide one copy of the following records to the owner:
 - Radiograph interpretations by a 3rd party lab (copies of the films are not available, Corken retains the films).



Now Available

- Inspection and test record for the individual weldments in the piping network.
- Inspection and test record for the air leak test.

The design specifications, services, tests, examinations, and records described above are the full extent of Corken's implementation of ASME B31.3-2012 code specifications.

If the owner has specifications not specifically described above, they should be discussed with Corken before ordering this service.

ASME B31.3 applies to the process and instrumentation piping only. It does not apply to framework, welded structural components, or piping supports bolted to the process piping, pressure vessels, coolers, or compressors.

It is the owner's responsibility to engage the services of a qualified inspector, if they so choose.

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