

Technical Data Product Specification Sheet

Compliance to ASME B31 Standards

ASME (American Society of Mechanical Engineers) B31 Piping Standard Committees developed piping design standards for: Power Piping (ASME B31.1), Process Piping (ASME B31.3) and Building Service Piping (ASME B.31.9). These standards are published as engineering design criteria for piping systems that are commonly used within these types of occupancies. Safety is the basic design consideration of the ASME B31 Piping Standard Committees. As with any published standard, the ASME B31 Piping Standards are not intended to replace common engineering design practices nor judgment. Standards are considered as “minimum” design requirements. Standards do not “approve,” nor “endorse” specific products or manufacturers articles for construction. The Standards do not limit nor hinder the application of other technology as it is developed.

Viega is the pioneer, developer & innovator of metallic press connection technology for piping systems. The Viega press connection systems have been used throughout the world for over forty (40) years, with guaranteed results. Viega’s press connection fittings comply with the world’s most restrictive standards and are accepted world-wide for a variety of piping applications.

Viega’s ProPress® Stainless is accepted for use on ASME B31 systems as indicated by the following ASME B31 passages.

ASME B31.1 Power Piping states the following:
102.2 Pressure-Temperature Ratings for Piping Components
102.2.1 Components Having Specific Ratings.
“Pressure-Temperature ratings for certain piping components have been established and are contained in some of the standards listed in Table 126.1.”

Table 126.1 Lists the following standards:

- ASTM A240 - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications
- ASTM A312 - Standard Specification for Seamless and Welded Austenitic Stainless Steel Pipe
- ASTM A403 - Standard Specification for Wrought Austenitic Stainless Steel Pipe Fittings

Viega’s ProPress® Stainless system complies with the ASTM standards listed above.

ASME B31.3 Process Piping states the following:

- 304.7 Pressure Design of Other Components*
- 304.7.1 Listed Components*

“Other pressure containing components manufactured in accordance with standards in Table 326.1...”

Table 326.1 Lists the following standards:

- ASME B16.9 - Factory-Made Wrought Steel Butt Welded Fittings
- 1 Scope, 1.3 Partial Compliance Fittings
- “Fittings may be made to special dimensions, sizes, shapes, tolerances, or of wrought materials other than those covered by this Standard...”*
- 4 Markings, 4.4 Partial Compliance Fitting
- “Fittings meeting all requirements of ASTM A234, A403, or A420 except for dimensions, sizes, shapes, or tolerances shall be identified by the marking symbol of the specification..”*
- ASME B36.19M - Stainless Steel Pipe
- Part 2 Pressure Design of Piping Components 303 General
- “Components manufactured in accordance with the standards listed in Table 326.1 shall be considered suitable...”*

ASME B31.9 Building Service Piping states the following:

- 902.2 Pressure-Temperature Design Criteria for Piping Components*
- 902.2.1 Components Having Specific Ratings*
- “(a) For Listed Components. Pressure-temperature ratings have been established for certain piping components and are contained in some of the standards listed in Table 926.1. “*

Table 926.1 Lists the following standards:

- ASTM A312 - Standard Specification for Seamless and Welded Austenitic Stainless Steel Pipe
- ASTM A403 - Standard Specification for Wrought Austenitic Stainless Steel Pipe Fittings

Viega’s ProPress® Stainless system complies with the ASTM standards listed above.

Viega’s ProPress® Stainless system meets or exceeds the following Standards:



- ASTM A240
- ASTM A312
- ASTM A403
- ASTM A554
- ASTM F1476



- NSF-61 Annex-G
- ‘Zero-Lead’ Components
- NSF-61 HW for Ball Valves



- ASME B31.1
- ASME B31.3
- ASME B31.9



- CRN – Canadian Registration Number-13492.5



- American Bureau of Shipping



- Ball valves for Potable Water

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301 N. Main, 9th Floor • Wichita, KS 67202 • Ph: 800-976-9819 • Fax: 800-976-9817 • E-Mail: service@viega.com • www.viega.com