



Manufacturer of flexible metal hose and gas piping products



DoubleTrac ASME / NFPA / CFC / MSS Compliance

ASME B31.1:

- DoubleTrac is in compliance with ASME B31.1 specifically:
- ASME B31.1, specifies approved materials, Table 126.1 Lists ASTM A240 as an approved material. DoubleTrac primary pipe is manufactured from stainless steel per ASTM A240 which puts it in compliance.

ASME B31.3:

- DoubleTrac is in compliance with ASME B31.3 specifically:
- ASME B31.3, specifies approved materials, Appendix A, Specification Index, lists ASTM A240 as an approved material. DoubleTrac primary pipe is manufactured from stainless steel per ASTM A240 which puts it in compliance.

ASME B31.4:

- DoubleTrac is in compliance with ASME B31.4 specifically:
- ASME B31.4, specifies approved materials, Table 423-1-1, lists ASTM A240 as an approved material. DoubleTrac primary pipe is manufactured from stainless steel per ASTM A240 which puts it in compliance.

ASME B31.9:

- DoubleTrac is in compliance with ASME B31.9 specifically:
- ASME B31.9, specifies approved materials, in Mandatory Appendix I, and listed materials in ASME B31.1. ASME B31.1, specifies approved materials, Table 126.1 Lists ASTM A240 as an approved material. DoubleTrac primary pipe is manufactured from stainless steel per ASTM A240 which puts it in compliance.

NFPA 30 Section 27:

- DoubleTrac is in compliance with NFPA 30 specifically:
- NFPA 30 Section 27.4.1 Materials Specifications: Material must meet ASME B31.1, which compliance is addressed above.
- NFPA 30 Section 27.4.6.1 Nonmetallic Piping: Additionally pipe materials shall be in accordance with UL 971, of which, DoubleTrac is listed to UL971A, which puts it in compliance.

NFPA 37 Chapter 6.8:

- DoubleTrac is in compliance with NFPA 37 Chapter 6.8 specifically, 6.8.1 specifies compliance to NFPA 30 which has been addressed above.
- Additions, NFPA 37 6.8.1 specifies that piping must be steel, which DoubleTrac pipe is stainless steel, per ASTM A240. This is in compliance with NFPA 30 Section 27 which refers to ASME B31.1, and ASTM A240 is an approved material per table 126.1 in ASME B31.1.

2010 CFC Section 3403.6 Piping Systems:

- DoubleTrac is in compliance with 2010 CFC3403.6
- Specifically, 3403.6.2.1 states nonmetallic piping must be per NFPA Section 27.4.6, which specifies compliance to UL971 for which DoubleTrac is UL Listed.
- 3403.6.10 Pipe Joints – DoubleTrac fittings on the primary pipe are a mechanical metal to metal seal, not reliant on the plastic portion to maintain a seal. The primary pipe to fitting joint does not utilize any O-rings or gaskets and will not leak during a fire.
- 3403.6.2.1 Clauses 1 through 3 are addressed by the design/installation.

2013 CFC Section 5703.6 Piping Systems:

- DoubleTrac is in compliance with 2013 CFC5703.6
- Specifically, 5703.6.2.1 states piping must be in accordance with the standards listed in Table 5703.6.2 ASME B31.1, ASME B31.3, ASME B31.4, and ASME B319.9, compliance to each of those is listed above.
- 5703.6.2 States that all nonmetallic piping must be per NFPA 30 Section 27.4.6, which specifies compliance to UL971 for which DoubleTrac is UL Listed.
- 5703.6.10 Pipe Joints – DoubleTrac fittings on the primary pipe are a mechanical metal to metal seal, not reliant on the plastic portion to maintain a seal. The primary pipe to fitting joint does not utilize any O-rings or gaskets and will not leak during a fire.
- 5703.6.2.1 Clauses 1 through 3 are addressed by the design/installation.

MSS SP-69:

- This has now been incorporated in MSS SP-58. Although this is not specifically a design requirement for DoubleTrac; the recommendation is that the installers utilize hanger Type 11 or Type 12 to facilitate mounting and securing DoubleTrac to the appropriate structure. These clamp types are readily available from a number of suppliers.