

It is strongly recommended that users rearrange the fields in the Valve table with the “Required” Fields showing first. Those fields not used and or not populated should be at the end.

MAOP is for GAS lines and refers to the Maximum Allowable Operating Pressure.

MOP is for LIQUIDS lines and refers to the Maximum Operating Pressure.

**From Measure:** Stationing where MAOP/MOP starts on the line

**To Measure:** Stationing where MAOP/MOP ends on the line

**From RouteID:** Pressure System GlobalID or Facility Line GUID where MAOP/MOP record starts

**To RouteID:** Pressure System GlobalID or Facility Line GUID where MAOP/MOP record ends

**Status:** This should match the status on the pipe. Auto-populates with In-service.

**Pressure Type:** Design, Certificate, Grandfather, Special Permit, Other, Pressure Type, Unknown, Operator Assigned, Historical, Strength Test

**Pressure Value:** Reported pressure for MAOP or MOP from an Establishment form (B.10/7T-234, etc.)

**Unit of Measure:** Auto populates with PSI

**DetFactorMethodology:** Auto-populates with Unknown. This comes straight from the **Code of Federal Regulations** (CFR) and can be accessed here: <https://www.ecfr.gov/current/title-49/subtitle-B/chapter-I/subchapter-D/part-192> and here: <https://www.ecfr.gov/current/title-49/subtitle-B/chapter-I/subchapter-D/part-195>

The **192** designation should **ONLY** be used for Gas lines.

The **195** designation should **ONLY** be used for Liquid lines.

<b>192.619(a)(1)</b> Design Pressure	Typically when the line is built (design). Use this when there is not a form showing the pressure.
<b>192.619(a)(2)</b> Post-Constr. Pressure	After the line is built and a hydro has been performed; Uses the test pressure to calculate MAOP.
<b>192.619(a)(3)</b> High Actual Oper. Pressure	Highest Actual Oper Pressure during 5 yrs preceding date; Mostly when (a)(1) or (a)(2) can not be used; this is NOT Grandfathered Clause
<b>192.619(a)(4)</b> History of Pipe	History of Pipe (corrosion and actual operating pressure)
<b>192.619(c)</b> (Grandfathered)	MAOP of a pipe segm at the highest actual oper pressure to which it had been subjected to during the five years preceding July 1, 1970, as long as the pipe segment is in good condition
<b>192.619(d)</b> Alternative MAOP (192.620)	MAOP determined using a different design factor than that used in 192.619(a)(1) or 192.619(a)(2)
<b>192.619(d)</b> Alternative MAOP (192.620) – Special Permit	MAOP where transmission pipe has a waiver or Special Permit from PHMSA
<b>192.619</b> Other	If MAOP is NOT based on any paragraph within 192.619
<b>195.406</b> Maximum Operating Pressure	For Liquids, this is what you will choose 95% of the time.

<b>195.406(a)(2) Component Design Pressure</b>	Used when no MOP Establishment form is available, and components installed are designed to run below a specified pressure
<b>195.406(a)(3) 80% Test Pressure Part E</b>	A calculation of 80% of the hydrotest pressure for any part of the line that has been tested under subpart E (found here: <a href="https://www.ecfr.gov/current/title-49/subtitle-B/chapter-I/subchapter-D/part-195/subpart-E">https://www.ecfr.gov/current/title-49/subtitle-B/chapter-I/subchapter-D/part-195/subpart-E</a> )
<b>Safe Operating Pressure</b>	Used for instances not established in 192.619 options. Mostly in conjunction with Gathering Compliance forms

**MAOP Establishment Date:** Date on the MAOP/MOP Establishment document (B.10/7T-234, etc.)

**MAOP Establishment Report No:**

**Date Determined:** Date on the MAOP/MOP Establishment document

**Verified By:** Name on the MAOP/MOP Establishment document

**Pressure Test Verified:** Yes, No, Unknown. Were you able to verify the pressure test? Whatever is on the 'Pressure Test' for VTC should be shown here. It should be the same.

**Materials Verified:** Yes, No, Unknown. Were you able to verify the materials on the line? Whatever is on the 'Pipes' for VTC should be shown here. It should be the same.

**Comments:** various

**Comment Text:** various

**MLVS:** Pressure System (Valve Section) that this MAOP or MOP applies to

**TempPressureRestriction:** This is populated with the temporary MAOP/MOP value when a Temporary Pressure Restriction has been placed on the line.

**TempPressureExpiry:** This is populated with the expiration date when a Temporary Pressure Restriction has been placed on the line.

**GRANDFATHERED:** NULL, 0, 1, 1813.5, 18135, 18164, 18165, 18166, No, Yes, Unknown

**Date Reviewed:**

**VSMNOP:** various numbers 0 to 1286

**From Date:** Date

**To Date:** Date

**DEFICIENCY:** NULL, 500, F, T. Do not populate.

**EventID:** NULL, 02/02/2021, 1, 13004, 3511, 6288, 09/20/2016, MOC 6263, MOC 6265, MOC 6266. Do not populate.

**Scab:** various numbers 0 to 741. Do not populate.

**Location Error:** Do not populate

**Legacy ID:** Do not populate

**Historic Begin Station:** Only populate with former stationing when a line stationing reversal occurs.

**Historic End Station:** Only populate with former stationing when a line stationing reversal occurs.

**Historic Begin Series:** Do not populate.

**Historic End Series:** Do not populate.

**Beg\_X\_Loc:** Do not populate

**Beg\_Y\_Loc:** Do not populate

**End\_X\_Loc:** Do not populate

**End\_Y\_Loc:** Do not populate