

Valve Data

Field = Required **Field** = Not or Rarely Populated

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.

Measure: Stationing where the valve is installed on the line

RouteID: Pressure System GlobalID or Facility Line GUID

Type: There are 25 TYPES of Valves listed. You should only need to use one of the following:

Ball Valve	Control Valve	Needle Valve (for	Regulator
Butterfly	Gate Valve	small OD pipe)	Swing Valve
Check Valve	Globe Valve	Plug Valve	

Status: Valves auto-populate with “Proposed” status. This should match the status on the pipe.

Inlet Diameter: Wall thickness of the valve on the inlet side (the side product is flowing in to)

Outlet Diameter: Wall thickness of the valve on the outlet side (the side product is flowing out of)

Bore Diameter: Wall thickness of the valve on the inside

Branch Diameter: Do not populate with “Unknown”. If there is no Branch, use “N/A”

Material: This should match the material on the pipe.

Remote Operated: Unknown, Yes, No

Manufacturer: On Mill Test or Material List

Rating Class: Shown on Valve Cert as “600” or “900”; Should be enter as “ANSI ###”

(Can not list all of the entries—There are over 100 entries to choose from)

*** **A NOTE about Rating Class and Pressure Rating** ***

Below are the entries seen most often in work orders for Steel Valves. These increase proportionally by Rating Class, so you should be able to determine any ANSI Rating Classes that are not in the table below. For example: Rating Class ANSI 300 has a Pressure Rating of 720#, therefore a Rating Class ANSI 900 has a Pressure Rating of 2160#. ANSI 300 x 3 = ANSI 900, Pressure Rating If you have any other than these, ask for help.

Rating Class: ANSI 150 is Pressure Rating: 360#

Rating Class: ANSI 300 is Pressure Rating: 720#

Rating Class: ANSI 400 is Pressure Rating: 960#

Rating Class: ANSI 600 is Pressure Rating: 1440# or 1480#

Rating Class: ANSI 900 is Pressure Rating: 2160#

Rating Class: ANSI 1500 is Pressure Rating: 3600#

Pressure Rating: Should choose number with # after it (ex: 300#, 600# or 1960#). The choices with a range (ex: 0-20 or 0-1500) should not be used.

End Connect Inlet: You should only need to use WE or FE. All other fall into these 2 categories.

Choices: Unknown, ACEW, ARCW, FE, PE, SE, SW, WE, WxF, WxRTJ

End Connect Outlet: You should only need to use WE or FE. All other fall into these 2 categories.

Choices: Unknown, ACEW, ARCW, FE, PE, SE, SW, WE, WxF, WxRTJ

End Connect Branch: If no Branch (99% of the time), should be left blank.

Installation Date: Date the valve was installed
Inservice Date: Date the valve was put in service

Work Order ID: The WO that installed the valve
Project Number: The WO that installed the valve or an alternate WO#

Length: Length of the valve in FEET.

Asset Unit Code: The Valve Number ASSIGNED to your valve. For some companies, these are on the VLM, the PLD/P&ID or EAM. For other companies, a field person will have to give the Valve Number that is assigned to you. If you are not sure of the valve number, please ask. **It is very important that you ALWAYS populate this field!**

Facility ID: SCADA code for the facility where the valve is located. This could be found on a Gate Setting Boundary, Site Boundary, or Station Boundary (in SCADANAME field).

Comment Text: The correct format for all valves is **CL OD (in or ") Valve Type** (e.g. CL 12" Gate Valve or CL 12in Gate Valve).

Valve Use: What purpose does the valve serve? Is it used to **Isolate** the line (like a Mainline Valve), is it on a **Bypass** line, is it a **Blowoff**, or is it used to **Purge** the line (connected to a tank or other equipment)? Bypass, Blowoff and Purge are more-than-likely only on Detail Piping.

Normal Position: <Null>, Open, Closed. This is auto-populated with OPEN.

Present Position: <Null>, Open, Closed. This is auto-populated with OPEN.

Examples: Launcher/Receiver Valves = CLOSED
Kicker line valves = CLOSED
Blow off valves = CLOSED

Auto Close Ind: Unknown, Yes, No. This field means the same thing as Remote Operated.

RMV Type: RC (Remote Controlled), ASV (Automatic Shut-off), EFRD (Emergency Flow Restriction Device).

Location Description: Where the valve is located (e.g. Suction Line #1 at the Longville Pump Station).

Manufacture Date: On Mill Test

Manufacturer Model: On Mill Test

Manufacture Lot No: Sometimes on Mill Test

Barcode (Serial #): Serial Number (If given in work order)

Oper Manufacturer: Manufacturer of the Actuator/Operator

Oper Serial Number: Serial Number of the Actuator/Operator

Oper Model Number: Model Number of the Actuator/Operator

Oper Date Manufactured: Date Manufactured of the Actuator/Operator

Oper Type: Unknown, Electric, Gas, Hand Wheel, Manual, Motor, Lever

****Valve Operator Notes**: Most Valves have an operator except Check Valves. However, fill this part out only if you have the information in your work order. Also – Manufacturer of operator may NOT be the same as the Valve Manufacturer.

If Operator is listed as: Gear Operated, MGO, or MOV – use Motor
Hand – use Hand Wheel
Wrench – use Lever
Actuator – use Gas

Inlet Pressure: Same as pressure rating unless it is a Regulator

Outlet Pressure: Same as pressure rating unless it is a Regulator

Set Pressure: Do not populate

VTC Material Verified: Yes, No, Researching

VTC Date Verified: The date you were able to verify (or not verify) the record.

VTC Comments: Why you were able to verify (or not verify) the record.

VTC Verified By: Your username

VTC Method: Documentation and Records, NDE Test, Destructive Test, Test Sampling, Expanded Sampling

EAM Valve ID:

EAM Entity Name:

EAM Valve Comment:

Gas Trace Weight:

Bonded Indicator: Unknown, Yes, No

Clockwise to Close: Unknown, Yes, No

Turns to Close: How many turns of the hand wheel it takes to close the valve

Depth:

Depth to Nut:

Insulated Indicator: Unknown, Yes, No

Operating Classification: Non-Critical, Critical Inspection Required, Critical Inspection Not Required

CP System GlobalID:

Valve Section Source: Yes or No. This auto-populates to No.

Ancillary Role: None, Source, Sink. This auto-populates to None.

<https://images.app.goo.gl/EYDnrh9X2kBvRVaM9>

<https://images.app.goo.gl/bzwxMGsEzbWuewJx8>