

SYMBOLS:

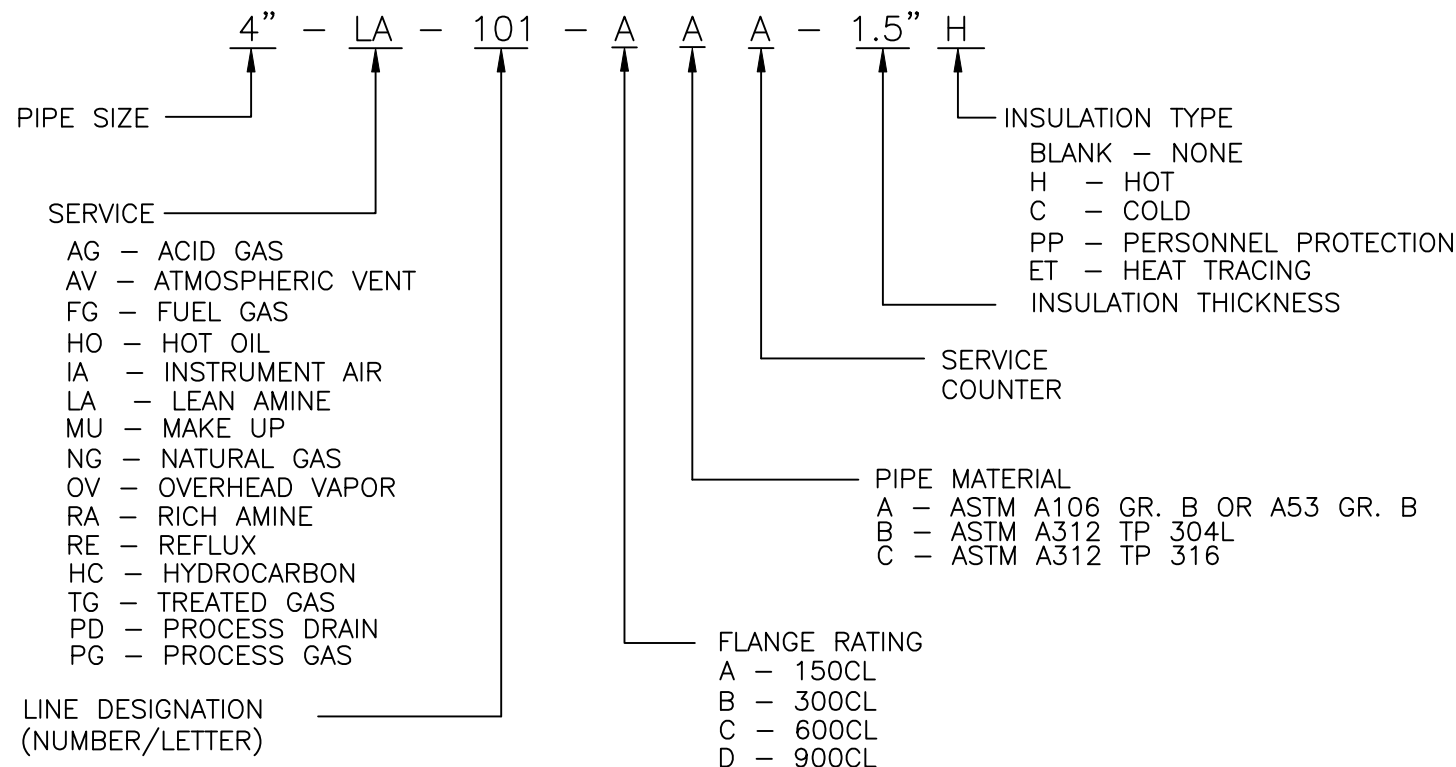
- BALL VALVE
- GATE VALVE
- GLOBE VALVE
- BUTTERFLY VALVE
- BALL CHECK VALVE
- SWING CHECK VALVE
- WAFER CHECK VALVE
- NEEDLE VALVE
- CONTROL VALVE
- SHUT DOWN VALVE
- BACK PRESSURE CONTROL VALVE
- SOLENOID VALVE
- OFF-LINE SINGLE SOLENOID WITH SINGLE ACTUATOR
- PRESSURE SAFETY VALVE
- INSTRUMENT BALL COCK VALVES
- Y-TYPE STRAINER
- CONE STRAINER
- SPECIFICATION CHANGE
- DIAPHRAGM ACTUATOR
- SINGLE SOLENOID ACTUATOR
- ORIFICE
- UNION CONNECTION
- FLANGE CONNECTION
- REDUCER
- BLEED RING
- FLOW INDICATOR

- PROCESS LINES
- ELECTRICAL LINES
- PNEUMATIC LINES (GAS OR AIR)
- SOFTWARE LINK

IDENTIFICATION SYMBOL

- BA - BURNER ALARM
- BALL - BURNER ALARM - LO-LO W/ SHUTDOWN
- BE - BURNER ELEMENT
- ESD - EMERGENCY SHUT DOWN
- ET - HEAT TRACING
- EV - EMERGENCY VALVE
- FC - FLOW CONTROLLER
- FE - FLOW ELEMENT
- FI - FLOW INDICATOR
- FIT - FLOW INDICATOR TRANSMITTER
- FOS - FAST/OFF/SLOW
- FT - FLOW TRANSMITTER
- FSHH - FLOW SWITCH HIGH HIGH W/SHUTDOWN
- FSLL - FLOW SWITCH LOW LOW W/SHUTDOWN
- FV - FLOW CONTROL VALVE
- HHLL - HIGH HIGH LIQUID LEVEL
- HOA - HAND/OFF/AUTO
- HS - HAND SWITCH
- JB - JUNCTION BOX
- JB I - JUNCTION BOX INSTRUMENT/CONTROL
- JBS - JUNCTION BOX SHUTDOWN
- LC - LEVEL CONTROLLER
- LG - LEVEL GAUGE
- LC - LOCAL LIQUID LEVEL CONTROLLER
- LLLL - LOW LOW LIQUID LEVEL
- LSH - LEVEL SWITCH - HI
- LSHH - LEVEL SWITCH - HI-HI W/ SHUTDOWN
- LSL - LEVEL SWITCH - LO
- LSLL - LEVEL SWITCH - LO-LO W/ SHUTDOWN
- LT - LEVEL TRANSMITTER
- LV - LEVEL VALVE
- NLL - NORMAL LIQUID LEVEL
- PC - PRESSURE CONTROLLER
- PV - PRESSURE VALVE
- PCV - PRESSURE REGULATOR
- PDI - PRESSURE DIFFERENTIAL INDICATOR
- PDIT - PRESSURE DIFFERENTIAL INDICATOR TRANSMITTER

PIPE IDENTIFICATION



- PDT - PRESSURE DIFFERENTIAL TRANSMITTER
- PI - PRESSURE INDICATOR
- PIT - PRESSURE INDICATOR TRANSMITTER
- PSH - PRESSURE SWITCH - HI
- PSHH - PRESSURE SWITCH - HI-HI W/SHUTDOWN
- PSL - PRESSURE SWITCH - LO
- PSLL - PRESSURE SWITCH - LO-LO W/SHUTDOWN
- PSV - PRESSURE SAFETY VALVE
- PT - PRESSURE TRANSMITTER
- RO - RESTRICTION ORIFICE
- SDV - SHUT DOWN VALVE
- SOV - SOLENOID OPERATED VALVE
- STR - STRAINER
- TC - TEMPERATURE CONTROLLER
- TV - TEMPERATURE VALVE
- TE - TEMPERATURE ELEMENT (THERMOWELL)
- TI - TEMPERATURE INDICATOR
- TIC - TEMPERATURE INDICATOR CONTROLLER
- TIT - TEMPERATURE INDICATOR TRANSMITTER
- TT - TEMPERATURE TRANSMITTER
- VSHH - VIBRATION SWITCH - HI-HI W/SHUTDOWN
- "X"Y - I/P TRANSDUCER
- ZSC - LIMIT SWITCH CLOSE
- ZSO - LIMIT SWITCH OPEN

SYMBOL BALLOONS

- FIELD MOUNTED
- TIE-IN POINT
- REMOTE PLC
- REMOTE DCL

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
 FRACTIONAL ±1/16"
 STRUCTURAL ±1/16"
 2 PLACE DECIMAL ±0.015"
 3 PLACE DECIMAL ±0.010"
 ANGULAR DIMENSIONS ±30'

REV.	DESCRIPTION	DATE	DRAWN	CHKD	APPRD	REV.	DESCRIPTION	DATE	DRAWN	CHKD	APPRD	SCALE	DATE	REV.
D	ADDED MONITORING HARDWARE	20OCT2022	ZKB	ZKB	QZR							1:1		
C	CHANGED VALVE SIZE AND TYPE	07JULY2022	ZKB	ZKB	QZR									
B	POST MEETING CHANGES	05JULY2022	ZKB	ZKB	QZR									
A	ISSUED FOR REVIEW	13APR2022	ZKB	ZKB	QZR									

TITLE: 250 MSCFD JT SKID
 DRAWING NO. JT-100 - PID-00
 SHEET 0 OF 2

