

ABBREVIATED PIPING TERMS AND ACRONYMS

Abbreviation	Description	Abbreviation	Description
AARH	Arithmetic Average Roughness Height	SAW	Submerged Arc Welding
AL	Aluminum	SCH	Schedule
ATM	Atmosphere	SI	Silicon
B&S	Bell & Spigot	SMLS	Seamless
BB	Bolted Bonnet	SO	Slip On
BBE	Bevel Both Ends	SOL	Socketlet
BE	Beveled End	SP-WD	Spiral Wound
BF	Blind Flange	SPA	Spacer
BR	Bronze	SR	Short Radius
BTM	Bottom	SS	Stainless Steel
BW	Butt Weld	ST	Seat
CA	Corrosion Allowance	STD	Standard
CALC	Calculated	SW	Socket Weld (preferred)
CI	Cast Iron	SWG	Swage
CM	Centimeter	EA	Each
CONC	Concentric	ECC	Eccentric
CONN	Connection	EFW	Electric Fusion Welded
CPLG	Coupling	ELL	Elbow
CPVC	Chlorinated Polyvinyl Chloride	EOL	Elbolet
CR	Chromium	EPDM	Ethylene-Propylene-Diene Terpolymer
CS	Carbon Steel	EQ	Equal
CU	Copper	ERW	Electric Resistance Welded
DEG	Degree	F	Fahrenheit
DI	Ductile Iron	F-F	Face-to-Face
DIA	Diameter	FEP	Perfluoro (Ethylene-Propylene) Copolymer
DIM	Dimension	FF	Flat Face
DIN	Deutsche Industrie Normen	FIG	Figure
DN	Diameter Nominal (Metric)	FIN	Finish
DWG	Drawing	FLEX	Flexible
GR	Grade	FLG	Flange
GRP	Glass Reinforced Plastic	FMU	Fitting Make Up
GSKT	Gasket	FNPT	Female National (Taper) Pipe Threads
HDPE	High Density Polyethylene	FP	Full Port
HEX	Hexagonal	FRP	Fiberglass Reinforced Plastic
HF	Hard Faced	FV	Full Vacuum
T&C	Threaded and Coupled	GALV	Galvanized
T&G	Tongue and Groove	GO	Gear Operator
T/SW	Threaded by Socketweld	MFG	Manufacturer
TAN	Tangent	MI	Malleable Iron
TBE	Thread Both Ends	MIN	Minimum
TEMP	Temperature	MISC	Miscellaneous
TFE	Tetrafluoroethylene	MJ	Mechanical Joint
HW	Handwheel	MO	Molybdenum
ID	Inside Diameter	N/A	Not Applicable
IN	Inch	NBR	Nitrile-Butadiene/Nitrile or BunaN Rubber
ISO	Isometric Drawing	NI	Nickel
ISRS	Inside Screw Rising Stem	NPS	Nominal Pipe Size
KCS	Killed Carbon Steel	NPT	National (Taper) Pipe Thread
KG	Kilogram	NRS	Non-Rising Stern
LDPE	Low Density Polyethylene	OD	Outside Diameter
LJ	Lap Joint	OS&Y	Outside Screw & Yoke
LTCS	Low Temperature Carbon Steel	P&ID	Piping and Instrumentation Diagram

WOL	Weldolet	P-T	Pressure Temperature
WT	Wall Thickness	PE	Polyethylene; Plain End
XS	Extra Strong	PFA	Perfluoro (Alkoxyalkane) Copolymer
LR	Long Radius	PIV	Post Indicator Valve
LWN	Long Welding Neck	PP	Polypropylene
M	Meter	PRESS	Pressure
MAX	Maximum	PTFE	Polytetrafluoroethylene
MDMT	Minimum Design Metal Temperature	PVC	Polyvinyl Chloride
PVDF	Polyvinylidene Fluoride	PVDC	Polyvinylidene Chloride
PWHT	Postweld Heat Treatment	THK	Thick
RA	Roughness Average (Replaced AARH)	THRD	Thread; Threaded
RAD	Radius	TI	Titanium
RAT	Rating	TOL	Thredolet
RED	Reducer; Reducing	TYP	Typical
REINF	Reinforced	UB	Union Bonnet
REPAD	Reinforcing Pad	UG	Underground
REQD	Required	UNC	Unified National Coarse Thread
REV	Revision	UNF	Unified National Fine Thread
RF	Raised Face	UNS	Unified Numbering System
RJ	Ring Joint	UT	Ultrasonic Testing (Exam)
RP	Reduced Port	V/D	Vents and Drains
RS	Rising Stem	W/	With
RT	Radiographic Testing (Exam)	W/O	Without
RTFE	Reinforced TFE	WB	Welded Bonnet
RTP	Reinforced Thermosetting Plastic	WN	Weld Neck
RTR	Reinforced Thermoset Resin	XXS	Double Extra Strong