

These are common industry terms and abbreviations

AC	Alternating Current	EXP VLV	Expansion Valve	PSIA	Pounds Per Square Inch Absolute
ALL IRON	All-Iron Construction	F	Degree Fahrenheit	PSIG	Pounds Per Square Inch Gage
AMER STD	American Standard	FF	Flat Face	RECIRC	Recirculate(d)
AMS	Aeronautical Material Specifications of the Society of Automotive Engineers	FtoF	Face to Face	RF	Raised Face
APPROX	Approximate	FLG	Flanged End	RPM	Revolutions per Minute
ASME	American Society of Mechanical Engineers	FM	Indicates product has been approved by Factory Mutual Laboratories	RS	Rising Stem
ASTM	American Society of Testing Materials	F/S	Factor of Safety	S.A.E.	Society of Automotive Engineers
ATM	Atmosphere	FSPS	Female Standard Pipe Size	SB	Screw-in Bonnet
BB	Bolted Bonnet	FT LB	Foot Pound	SE	Screwed (Threaded) End
BLR	Boiler	GPH	Gallons Per Hour	SJ	Solder Joint
B/M	Bill of Material	GPM	Gallons Per Minute	SPEC	Specification
BTU	British Thermal Unit(s)	IBBM	Iron Body, Bronze Mounted	STD	Standard
C	Degree Centigrade	IN LB	Inch-pound	SWP	Steam Working Pressure
CxC	Copper to Copper	IPS	Iron Pipe Size	TEMP	Temperature
CDA	Copper Development Association	MSS	Manufacturers Standardization Society of the Valve and Fitting Industry	TRIM	Term designating certain valve parts such as discs, seat rings, stems, and repacking seat bushings
COND	Condenser	NEC	National Electrical Code	UB	Union Bonnet
COP	Copper	NPT	American Standard Taper Pipe	UL	Indicates product has been

			Thread		approved by Underwriter's Laboratories, Inc.
CSA	Canadian Standards Association	NRS	Non-Rising Stem	VAC	Vacuum
CV	Check Valve	OD	Outside Diameter	VOL	Volume
CWP	Cold Working Pressure	OS&Y	Outside Screw and Yoke	WOG	Water, Oil, Gas Working Pressure
CYL	Cylinder	PNEU	Pneumatic	WWP	Water Working Pressure
DC	Direct Current	PRESS	Pressure		
DD	Double Disc	PRV	Pressure Reducing Valve		
		PSI	Pounds Per Square Inch		

Piping Symbols

		Flanged	Threaded	Bell & Spigot	Welded	Soldered
1.	Angle Valve					
	1.1 Check					
	1.4 Globe (elevation)					
	1.5 Globe (plan)					
	1.6 Hose Angle	Same as Symbol 9.1				
2.	Automatic Valve					
	2.1 By-Pass					
	2.2 Governor-Operated					

	2.3 Reducing					
3.	Check Valve					
	3.1 Angle Check	Same as symbol 1.1				
	3.2 (straight way)					
4.	Cock					
5.	Diaphragm Valve					
6.	Float Valve					
7.	Gate Valve					
	7*.1					
	7.4 Motor-Operated					
*Also used for general STOP VALVE symbol when amplified by specification.						

		Flanged	Threaded	Bell & Spigot	Welded	Soldered
8.	Globe Valve					
	8.1					
	8.2 Angle Globe	Same as Symbols 1.4 & 1.5				
	8.3 Hose Globe	Same as Symbol 9.3				
	8.4 Motor-Operated					
9.	Hose Valve					
	9.1 Angle					
	9.2 Gate					
	9.3 Globe					

10.	Lockshield Valve					
11.	Quick-Opening Valve					
12.	Safety Valve					
13.	Stop Valve	Same as Symbol 7.1				
14.	Tee					
	14.7 Side Outlet (outlet down)					
	14.8 Side Outlet (outlet up)					
15.	Union					