Abbreviations & Terms used in the Valve Industry

AARH – Arithmetic Average Roughness Height
AISI – American Iron and Steel Institute
API – American Petroleum Institute
ANSI – American National Standards Institute
ASME – American Society of Mechanical Engineers
ASTM – American Society for Testing and Materials
AWS – American Welding Society
BB – Bolted Bonnet
BHN – Brinell Hardness Number
Btu – British Thermal Unit
BWE – Butt Weld Ends
C or Cel – Celsius degrees
CI – Cast Iron
CI – Chlorine Institute
CR 13 – 13% Chromium Stainless Steel
CRES – Corrosion Resistant Steel
C v – The number of U.S. gallons per minute of water at 70°F which will flow through a valve at a pressure drop of one psi.
CWP – Cold Working Pressure
DN – Diameter Nominal (Metric)
ELL – Elbow
FAS – Free Alongside Steamer
F or Fahr – Fahrenheit degrees
F & D – Faced and Drilled
FF – Flat Face
FHF – Full Hard Faced
FLG – Flanged
FOB – Free on Board
FTTG – Fitting
G – Gas
gpm – Gallon per Minute
HF – Hard Faced
HW – Handwheel
ID – Inside Diameter
INT – Integral
ISRS – Inside Screw Rising Stem
ISNRS – Inside Screw Non. Rising Stem
Kg – Kilograms km – Kilometers
LH – Left Hand
MAV – Motor Actuated Valve
mm – Millimeter
MOV – See MAV
MSS – Manufacturers Standardization Society of the Valve & Fitting Industry
NACE – National Association of Corrosion Engineers (Formerly NACE International)
NPS – Nominal Pipe Size
NPT – National Standard Pipe Thread Taper
NRS – Non Rising Stem
OD – Outside Diameter
One-Piece Stem – An inseparable Stem and Disc made from one piece of metal.
OS&Y – Outside Screw and Yoke
OWG – Oil, Water & Gas (See CWP)
PN – Pressure Nominal (Metric)
Psi – Pounds per square inch
Psia – Pounds per square inch absolute
Psig – Pounds per square inch gage
P-T – Pressure-Temperature
Rc – Rockwell “C”
RF – Raised Face
RH – Right Hand
RMS – Root Mean Square Roughness Height
RS – Rising Stem
RTJ – Ring-Type Joint
S – Steam
SAE – Society of Automotive Engineers
SC – Swing Check Valve
Sch. or Sched. – Schedule (Pipe Wall Thickness)
SCFM – Standard Cubic Feet per Minute
Screw Bonnet – Body and Bonnet Threaded Together SE – Screwed Ends
Seal Weld – Threaded Joint Back Welded for Seal
SS – Stainless Steel
Stem Nut – Operating Nut
Stuffing Box – Packing Chamber
STD – Standard Wall Thickness
Stop Check – A Check valve in which the closure member can be mechanically closed.
SWE – Socket Weld End
SWP – Steam Working Pressure
T – Tee Valve
Thd. – Threaded
TIR – Total Indicator Reading
UB – Union Bonnet
W – Water
Wedge – Gate
WOG – Water, Oil and Gas (See CWP)
WSP – Working Steam Pressure
WWP – Working Water Pressure
XS – Extra Strong Wall Thickness
XXS – Double Extra Strong Wall Thickness
Y – Wye Valve
Yoke Bushing – Operating Stem Nut
Yoke Nut – Stem Nut