GLOSSARY

Ambient Temperature - Environmental (outside) temperature surrounding a valve; normally ranging from (-20º F to 100º F).

AML - Approved Manufacturer List.

ANSI - American National Standards Institute - codes and standards set for pressure vessels, etc.

API - (1) American Petroleum Institute - codes and standards for industry equipment. (2) Automated Precision, Inc.- metrology equipment & standards to address precision measurement and sensing challenges encountered in a manufacturing environment. Confirms API 6D satisfied.

ARO - After Receipt of Order.

ASL - Approved Suppliers List.

ASME - American Society of Mechanical Engineers - codes and standards for pressure vessels, valves, fittings, etc.

ASNT - American Society of Non-destructive Testing.

ASTM - American Society of Testing Materials.

Backseat - Auxiliary seat in the bonnet of a gate or globe valve that provides seal between stem and bonnet to enable packing replacement while the valve is under pressure.

Bar - 1 bar = 14.5psi (metric unit of pressure).

BB - Bolted Bonnet.

Bellow seal - Cylindrical metal bellows which enhance the packing seal, (to prevent fugitive emission leakage in gate and globe valves).

BG - Bevel Gear.

Bore - Diameter of the smallest opening through a valve.

BS - British Standards Institute.

BW - Butt Weld.

GLOSSARY

Bypass - Short pipeline mounted on a valve (containing a stop valve) that connects the inlet and outlet to bypass flow control element.

CA - Corrosion Allowance.

Cast Steel - Liquid metal poured into a mold.

CFR46 Category A - Federal policy for protection of human subjects (i.e., R&D work that requires manual manipulation of valves, etc.).

CFR - Code of Federal Regulations.

CMTR - Certified Material Test Report.

CS - Carbon Steel.

Cv - Measure of flow capacity of liquid through a valve.

Disc - Flow control element found on gate, globe, check and butterfly valves.

Drain - Opening within a valve body for removal of fluid which may be filled with a removable plug or will have a pipe nipple and a stop valve which is normally closed.

End Entry - Pertains to ball valves-whereby ball, seat, and other internal components within body are accessible from "one end" (unlike split body ball where internals are between the ends.

ETA - Estimated Time of Arrival.

FBE - Fusion Bonded Epoxy - type of non-corrosive coating used to line valves.

FF - Flat Face.

FHF - Full Hard Face.

Forged Steel - Liquid metal stamped or machine pressed into shape.

Fugitive Emissions - Used by Environmental Protection Agency referring to external leakage of hazardous gases from piping components.

Full-port - Bore that is approximately the same size as the diameter of the connecting pipe.

GO - Gear Operated.

HFS - Hard Face Seat.

ID - Inside Diameter.

GLOSSARY

ISO - International Organization for Standardization.

ISRS - Inside Rising Stem.

LCC - Low-temperature Carbon.

LNG - Liquefied Natural Gas.

LP - Liquid Dye Penetrant testing, *aka* DPE/PT/LD/LPI.

MOP - Maximum Operating Pressure.

MOV - Motor Operated Valve.

MRO - Maintenance, Repair & Operations.

MSS - Manufactures Standardization Society of the Valves and Fittings Industry.

MT - Magnetic particle Testing, *aka* MPE/MP/MX.

MTR - Material Test Reports (provides chemical composition, strength, etc.) for product such as valve(s), pipe, etc.

NACE - National Association of Corrosion Engineers.

NCR - Non-Conformance Report.

NDE - Non-Destructive Examination.

NPS - Nominal Pipe Schedule-dimensions of piping specified for valve installation in U.S.

NPT - Nominal Pipe Thread.

NRS - Non-Rising Stem.

OD - Outside Diameter.

OEM - Original Equipment Manufacturer.

OS&Y - Outside Screw and Yoke.

PED - European Pressure Equipment Directive - standards developed from the European Commission.

PMI - Positive Material Identification.

Port - Fixed opening within a valve, normally the inside diameter of a seat ring, through which fluid passes.

GLOSSARY

PSB - Pressure Seal Bonnet.

PSI - Pounds per Square Inch.

PTFE - Teflon.

PWHT - Post Weld Heat Treatment.

Reduced Port - Valve bore found on valves that is smaller than full bore, approximately one pipe size.

RF - Raise Face.

RGA - Return Goods Authorization.

RS - Rising Stem; stem that comes out of valve (rises) as the valve is opened.

RTJ - Ring Type Joint.

RT - Radiography (radiographic) Testing, *aka* X-Ray/XR/RX.

Seat - The portion of valve body that flow control element comes in contact with seal against internal leakage.

Sour Service - See NACE - natural gas containing a significant amount of hydrogen sulfide.

SS - Stainless Steel.

Stem - Part of valve that moves the disc, wedge and ball (flow control element).

SW - Socket Weld.

Threaded end - Valve end that has female pipe threads cut into it to allow for screwing in male threaded connecting pipe.

Trim - Refers to internal components of a valve (disc, seat, stem, backseat).

UT - Ultrasonic Testing.

Venting - A hole is drilled into the wedge to relieve upstream pressure.

Wedge - Another name for gate valve disc.

WOG - Water, Oil & Gas.