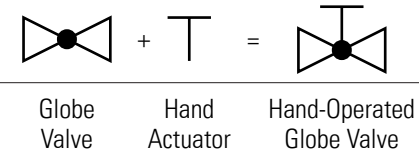


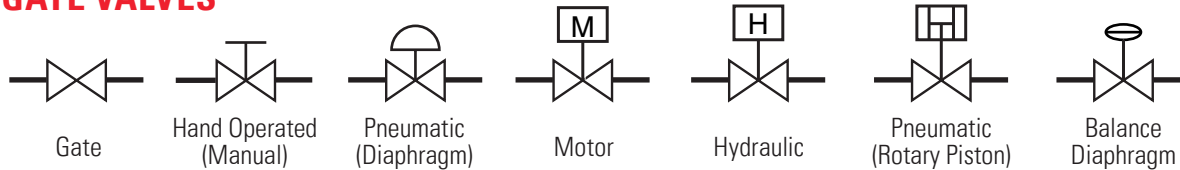
# P&ID Reference Guide

## SYMBOLS – COMMON VALVE SYMBOLS AND COMBINATIONS

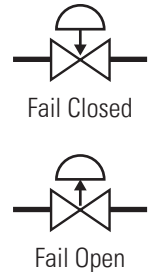
Combining control valve symbols with actuators symbols can yield a variety of results. Below are some final control elements with actuators and a variety of other common instrument symbols.



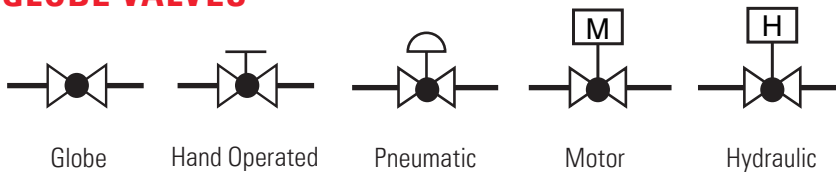
### GATE VALVES



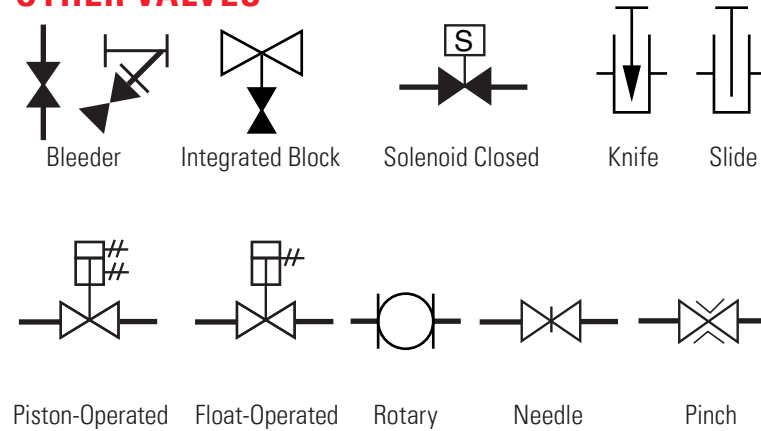
### FAIL-SAFE POSITION



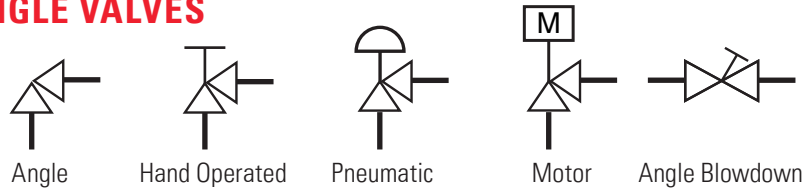
### GLOBE VALVES



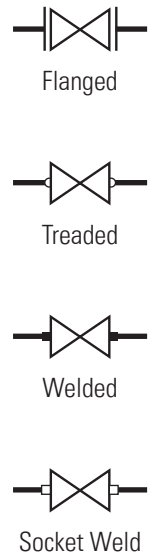
### OTHER VALVES



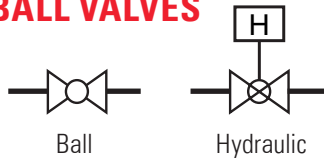
### ANGLE VALVES



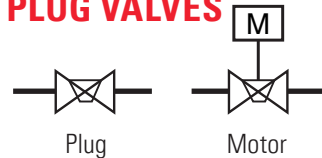
### END CONNECTION



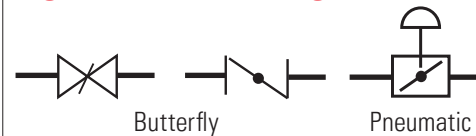
### BALL VALVES



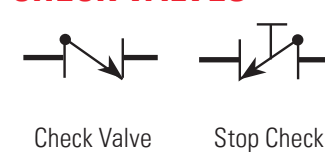
### PLUG VALVES



### BUTTERFLY VALVES



### CHECK VALVES



### DIAPHRAGM VALVES



### SAFETY



### RELIEF



### QUARTER TURN



### EQUIPMENT

