

Standard Piping Symbols

| Fitting or Valve Types | Flanged | Screwed | Bell and Spigot | Welded X or • | Soldered | Double Line |
|------------------------|---------|---------|-----------------|---------------|----------|-------------|
| Connecting Pipe Joint | | | | | | |
| Expansion Joint | | | | | | |
| Lateral Joint | | | | | | |
| Sleeve | | | | | | |
| Orifice Flange | | | | | | |
| Reducing Flange | | | | | | |
| Socket Weld Flange | | | | | | |
| Weld Neck Flange | | | | | | |
| Blind Flange | | | | | | |
| Bull Plug | | | | | | |
| Pipe Plug | | | | | | |
| Cap | | | | | | |

Illustration #176E - Commonly Used Fitting and Valve Symbols

Standard Piping Symbols

| Fitting or Valve Types | Flanged | Screwed | Bell and Spigot | Welded X or • | Soldered | Double Line |
|------------------------|-------------------------|---------|-----------------|---------------|----------|-------------|
| VALVES | Angle Check Valve | | | | | |
| | Angle Gate (Elevation) | | | | | |
| | Angle Gate (Plan) | | | | | |
| | Angle Globe (Elevation) | | | | | |
| | Angle Globe (Plan) | | | | | |
| | Angle Hose Valve | | | | | |
| | Ball Valve | | | | | |
| | Butterfly Valve | | | | | |
| | Straightway Check Valve | | | | | |
| | Cock or Plug Valve | | | | | |
| | Y-Valve | | | | | |
| | Strainer | | | | | |

Illustration #176B - Commonly Used Fitting and Valve Symbols

Standard Piping Symbols

| Fitting or Valve Types | Flanged | Screwed | Bell and Spigot | Welded X or • | Soldered | Double Line |
|------------------------|-----------------------|---------|-----------------|---------------|----------|-------------|
| VALVES | Gate Valve | | | | | |
| | Globe Valve | | | | | |
| | Motor Op. Gate Valve | | | | | |
| | Motor Op. Globe Valve | | | | | |
| | Gate Hose Valve | | | | | |
| | Globe Hose Valve | | | | | |
| | Diaphragm Valve | | | | | |
| | Lockshield Valve | | | | | |
| | Motor Control Valve | | | | | |
| | Quick Opening Plug | | | | | |
| | Solenoid Valve | | | | | |
| | Safety Relief Valve | | | | | |

Illustration #176A - Commonly Used Fitting and Valve Symbols