

Figure 1.7-1—P&ID Symbol Legend

| VESSELS | FILTERS/SILENCERS | MISCELLANEOUS | SENSORS | MOTORS/ACTUATORS | LINE TYPE |
|--|-----------------------------------|-----------------------------|-----------------------|--|------------------------|
| REACTOR VESSEL | FILTER | RUPTURE DISK DEVICE | PRESSURE | ELECTRIC MOTOR | STEAM LINE |
| STEAM GENERATOR | SILENCER/MUFFLER | DRAIN TRAP | TEMPERATURE | TURBINE | FLOW LINE |
| PRESSURIZER | IODINE FILTER | NOZZLE | LEVEL | MANUAL | SLUDGE WATER |
| | SEPARATOR | PUSH BUTTON | RADIATION | DIAPHRAM | ADJACENT SYSTEM |
| | GAS/AIR FILTER | STIRRER | FLOW ELEMENT | PISTON | BUILDING |
| COMPRESSORS | DEMINERALIZER | CONTAINMENT PENETRATION | MOISTURE | SOLENOID | OIL PIPE |
| FAN, BLOWER TYPE | LIQUID FILTER | PROTECTIVE GRATING | BORON | ACTUATOR (GENERIC) | AIR PIPE |
| COMPRESSOR/VACUUM PUMP | LIQUID FILTER | DESIGN AREA BREAKS | DIFFERENTIAL PRESSURE | VALVES | GASES |
| PUMPS | MIXING PIPE | DISC-TYPE CENTRIFUGE | POSITION | BUTTERFLY | CONCRETE |
| PUMP | PIPE FITTING/FLOW ELEMENTS | SCREW-TYPE CENTRIFUGE | VELOCITY/VIBRATION | GENERIC | HVAC |
| EXCHANGERS | FLOW RESTRICTOR | LIQUID TO LIQUID EVAPORATOR | TOXIC GAS | GLOBE | AIR SHUT-OFF DAMPER |
| HEAT EXCHANGER | REDUCER | EVAPORATOR COLUMN | HYDROGEN | 3-PORT | LOUVER DAMPER |
| HEAT EXCHANGER | FLEXIBLE HOSE | TANKS | OXYGEN | PRESSURE-REDUCING | FIRE DAMPER |
| HEAT EXCHANGER COIL | CAP | TANK | SMOKE | PRESSURE REDUCING CONTROL | GAS-TIGHT DAMPER |
| TURBINE SURFACE CONDENSER | FUNNEL | POOL/BASIN | CONDUCTIVITY | ANGLE GLOBE | BACKDRAFT DAMPER |
| U-TUBE HEAT EXCHANGER | DRAIN PAN | SUMP | | CHECK | AIR INLET |
| HUMIDIFIER | SPRAY NOZZLE | | | MINIMUM FLOW | AIR OUTLET |
| AIR HEAT EXCHANGER | EPANSION JOINT | | | SAFETY RELIEF ANGLE GLOBE | FIRE PROTECTION |
| AIR HEAT EXCHANGER WITH ELECTRICAL PREHEATER | HALF COUPLING | | | SAFETY RELIEF ANGLE GLOBE ACTUATED BY MEDIUM IN LINE | OUTDOOR HYDRANT |
| AIR HEAT EXCHANGER FOR HVAC | SCREWED PLUG | | | HVAC CONTAINMENT ISOLATION VALVE | FIREHOSE VALVE |
| | HEAT TRACE | | | VACUUM BREAKER | POST INDICATOR VALVE |
| | NOZZLE WITH ORIFICE | | | | |
| | FLANGE | | | | |