

Figure 1.7-1—P&ID Symbol Legend

VESSLS	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
	DEMINERALIZER	CONTAINMENT PENETRATION	MOISTURE	SOLENOID	OIL PIPE
	LIQUID FILTER	PROTECTIVE GRATING	BORON	ACTUATOR (GENERIC)	AIR PIPE
	LIQUID FILTER	DESIGN AREA BREAKS	DIFFERENTIAL PRESSURE		GASES
<u>COMPRESSORS</u>	MIXING PIPE	DISC-TYPE CENTRIFUGE	POSITION	<u>VALVES</u>	CONCRETE
FAN, BLOWER TYPE	MOISTURE SEPARATOR PRE AIR FILTER	SCREW-TYPE CENTRIFUGE	VELOCITY/VIBRATION	BUTTERFLY	<u>HVAC</u>
COMPRESSOR/VACUUM PUMP		LIQUID TO LIQUID EVAPORATOR	TOXIC GAS	GENERIC	AIR SHUT-OFF DAMPER
<u>PUMPS</u>		EVAPORATOR COLUMN	HYDROGEN	GLOBE	LOUVER DAMPER
PUMP			OXYGEN	3-PORT	FIRE DAMPER
<u>EXCHANGERS</u>	<u>PIPE FITTING/FLOW ELEMENTS</u>	<u>TANKS</u>	SMOKE	PRESSURE-REDUCING	GAS-TIGHT DAMPER
HEAT EXCHANGER	FLOW RESTRICTOR	TANK	CONDUCTIVITY	PRESSURE REDUCING CONTROL	BACKDRAFT DAMPER
HEAT EXCHANGER	REDUCER	POOL/BASIN		ANGLE GLOBE	AIR INLET
HEAT EXCHANGER COIL	FLEXIBLE HOSE	SUMP		CHECK	AIR OUTLET
TURBINE SURFACE CONDENSER	CAP			MINIMUM FLOW	<u>FIRE PROTECTION</u>
U-TUBE HEAT EXCHANGER	FUNNEL			SAFETY RELIEF ANGLE GLOBE	OUTDOOR HYDRANT
HUMIDIFIER	DRAIN PAN			SAFETY RELIEF ANGLE GLOBE ACTUATED BY MEDIUM IN LINE	FIREHOSE VALVE
AIR HEAT EXCHANGER	SPRAY NOZZLE			HVAC CONTAINMENT ISOLATION VALVE	POST INDICATOR VALVE
AIR HEAT EXCHANGER WITH ELECTRICAL PREHEATER	EPANSION JOINT			VACUUM BREAKER	
AIR HEAT EXCHANGER FOR HVAC	HALF COUPLING				
	SCREWED PLUG				
	HEAT TRACE				
	NOZZLE WITH ORIFICE				
	FLANGE				