

IWD-5222 Boundaries

(a) The pressure-retaining boundary for closed systems includes only those portions of the system required to operate or support the safety-related function up to and including the first normally closed valve (including a safety or relief valve) or valve capable of automatic closure when the safety function is required.

(b) The pressure-retaining boundary for nonclosed systems includes only those portions of the system required to operate or support the safety function up to and including the first normally closed valve, including a safety or relief valve, or valve capable of automatic closure when the safety function is required. Open-ended piping that is periodically pressurized to conditions described in [IWD-5221](#) shall be included in the test boundary.

(c) Portions of systems that are normally submerged in its process fluid such that the external surfaces of the pressure-retaining boundary are normally wetted during its pressurized conditions are excluded from the test boundary.

Delete "-related"