

Fluid service affects design and examination

ASME B31.3 Process Piping — Engineering Requirements for Process Piping
<https://niktrd.com/asme-b31-3>

Service group	General logic	Engineering effect
Normal Fluid Service	Base case for services not assigned to a special category	General design, fabrication, examination and test rules
Category D	Low-hazard fluid under code-defined limits	Some simplified requirements after all definition criteria are satisfied
Category M	Very small leakage can create serious exposure	More stringent material, fabrication, examination and leakage controls
High Pressure Fluid Service	Designated by the owner for the high-pressure chapter	Dedicated component design, fatigue and fabrication rules
High Purity Fluid Service	Special contamination and cleanliness control	Service-specific surface, joining, cleaning and fabrication details