Auto-ignition problem titanium of oxygen and possible ways of solving

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Noting the negative feature of titanium alloys spontaneous combustion in an oxygen environment, which prevents their widespread use in autoclave equipment operating with oxygen. The basic tenets of the theory of metals in fire destruction with an explanation of the anomalous ability of titanium to spontaneous combustion in oxygen. Concluded that the exclusion of self-ignition of titanium alloys in an oxygen environment autoclaves can be achieved developing technical measures to prevent the heating of the potential sites of friction titanium structures to auto-ignition temperature T * alloys at these partial pressures of gaseous reactants.