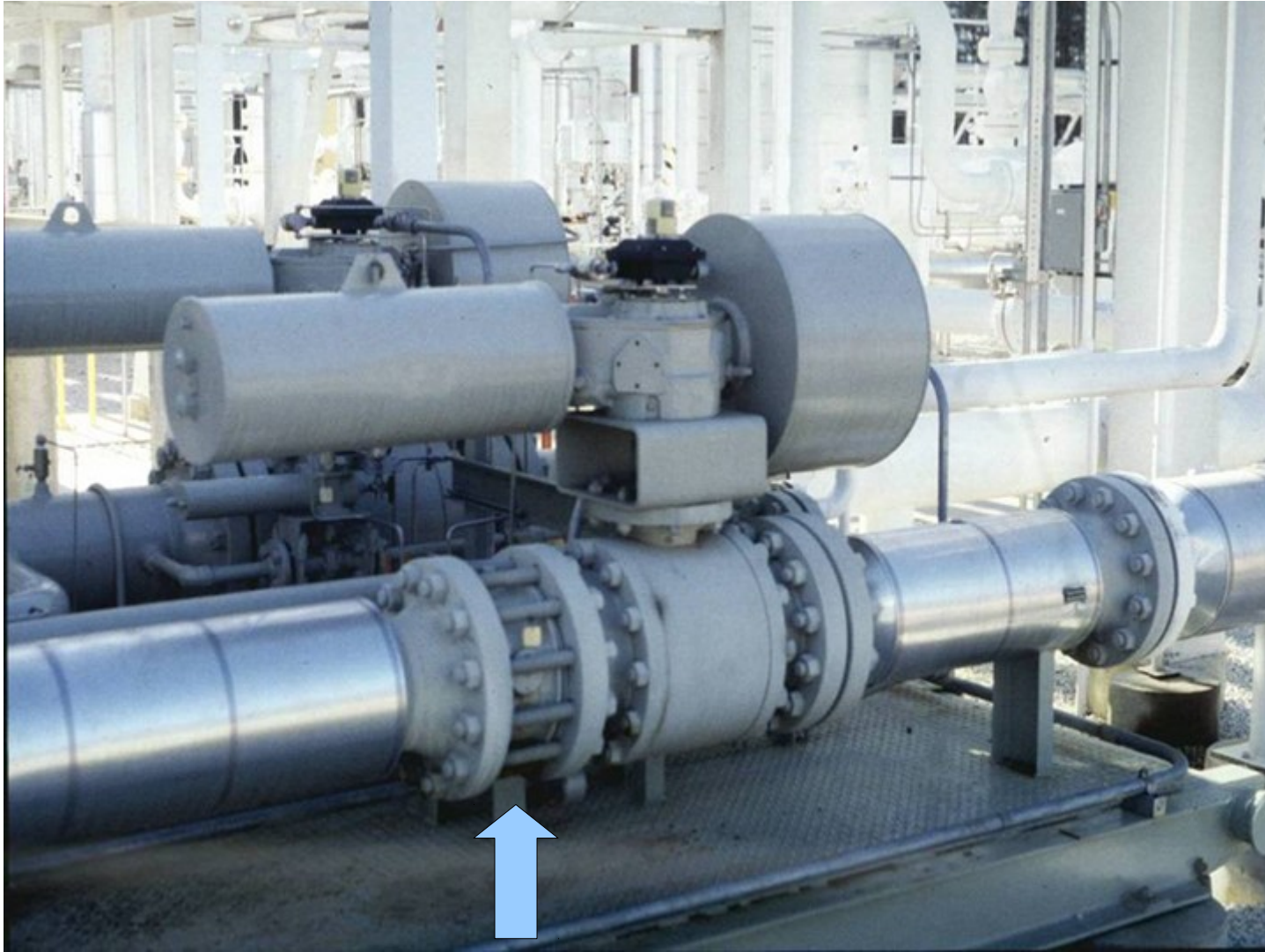


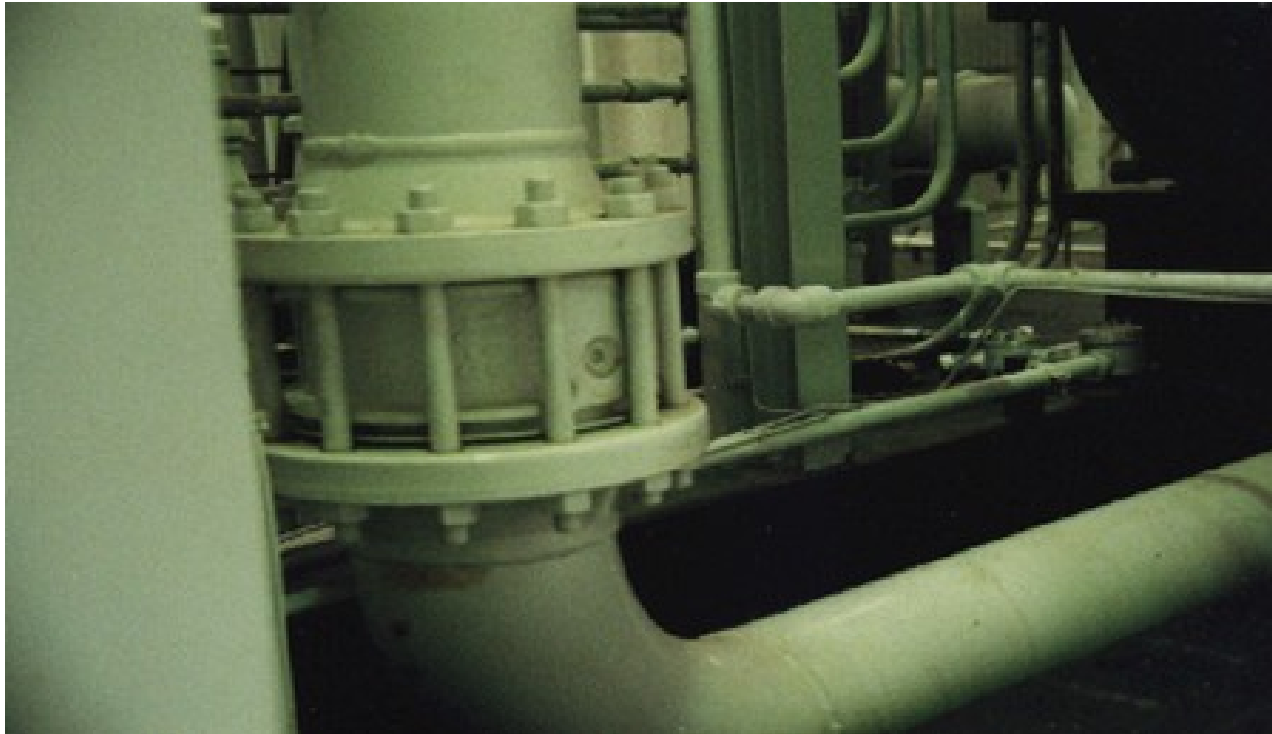


Long
Bolts

Long Bolt Usage



Usage



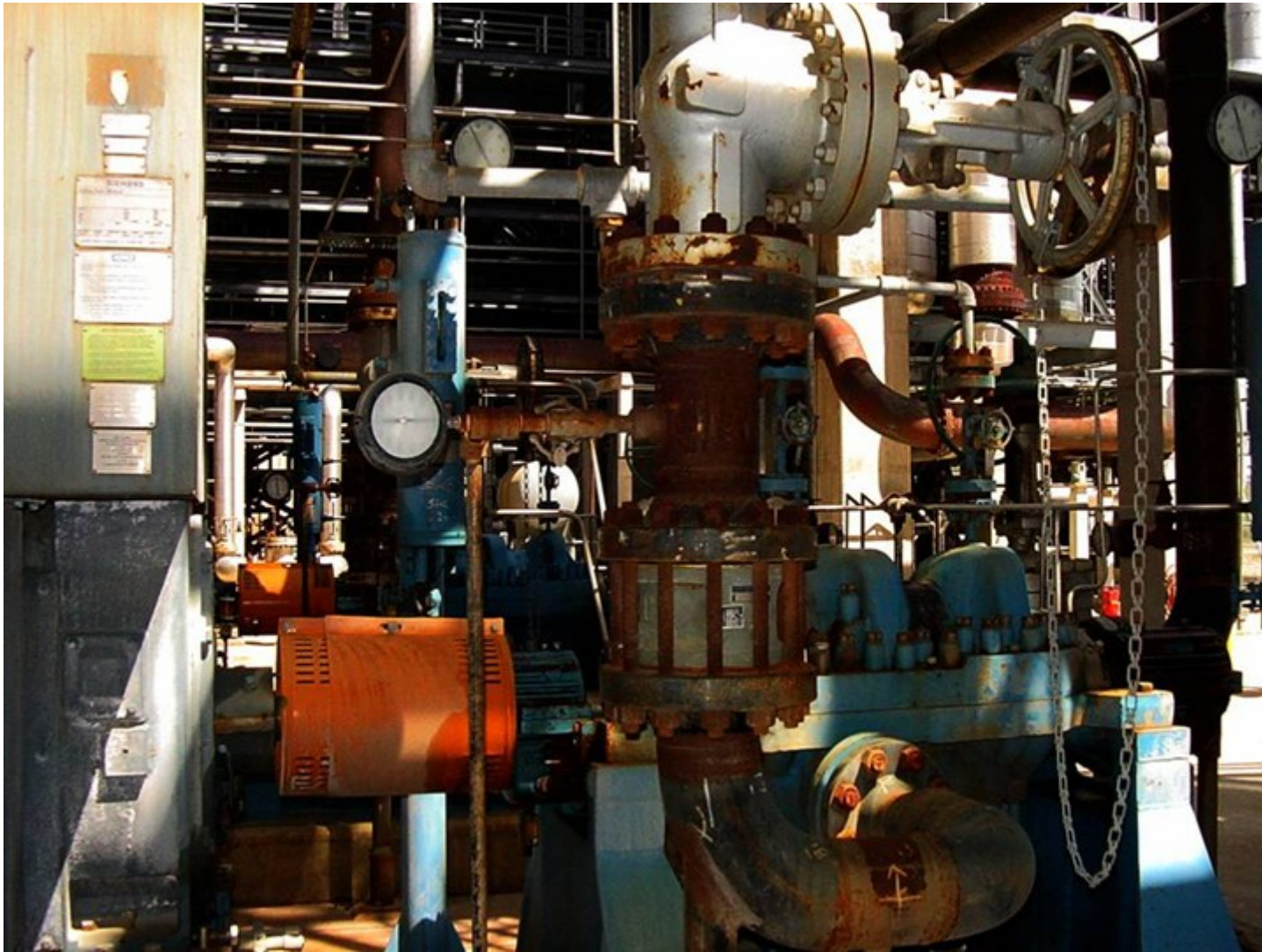
Could be a butterfly valve ...

During HAZOP



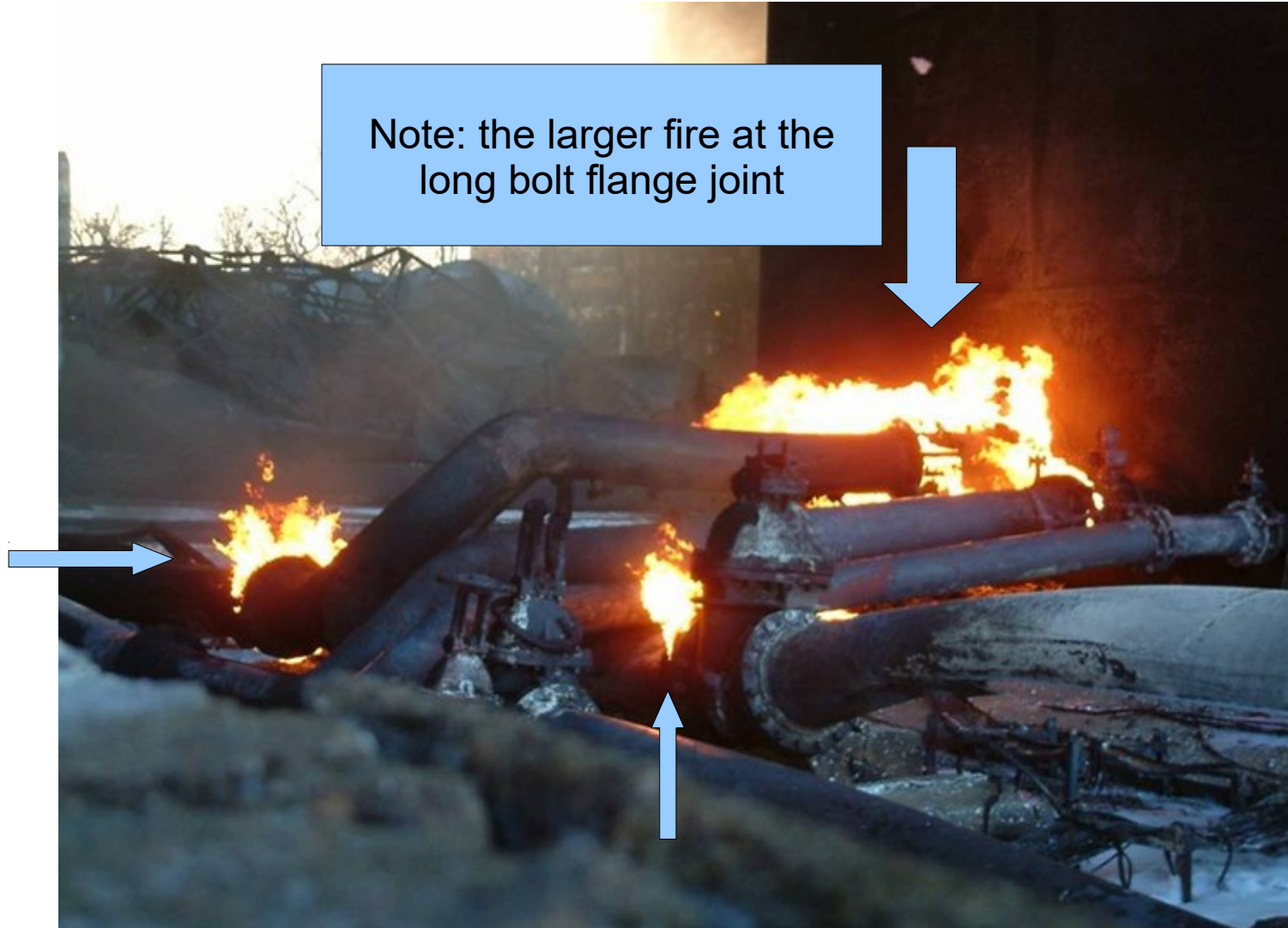
A local fire might be considered ...

Effect

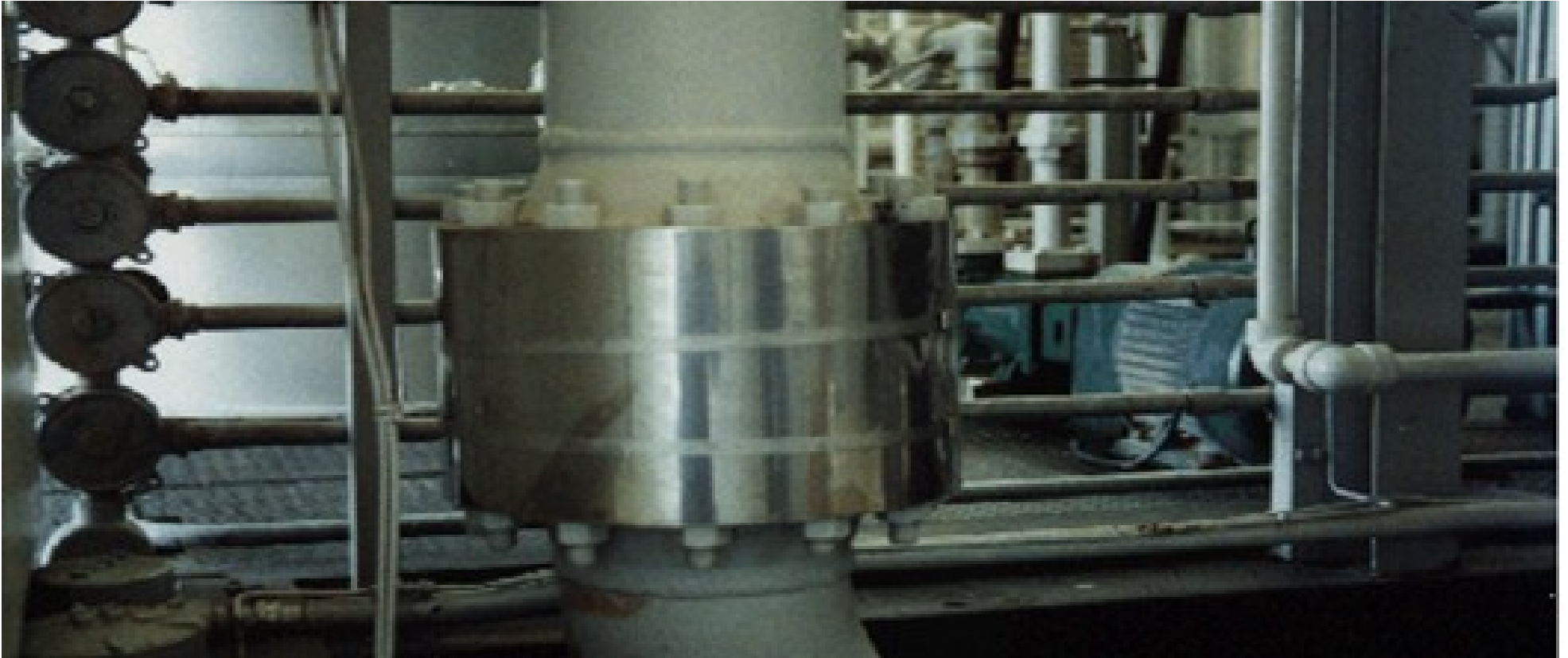


What will be the effect on long bolts?

Thermal Expansion



Possible Solution



Possible Solution cont'd

