

## 12.3 Capability for resistance against wear & tear

The capability of resistance of a valve material against wear through cavitating liquids or fluids with solid substances is another important criterion for the selection of a suitable material. There are numerous and different reasons for wear i.e. different mechanisms which cause material removal. Worthy of note are the following influences which can be of critical importance for the durability of a control valve:

- Cavitation
- Erosion-corrosion
- Jet wear through solid particles
- High speed droplets with saturated steam
- Thermal erosion

