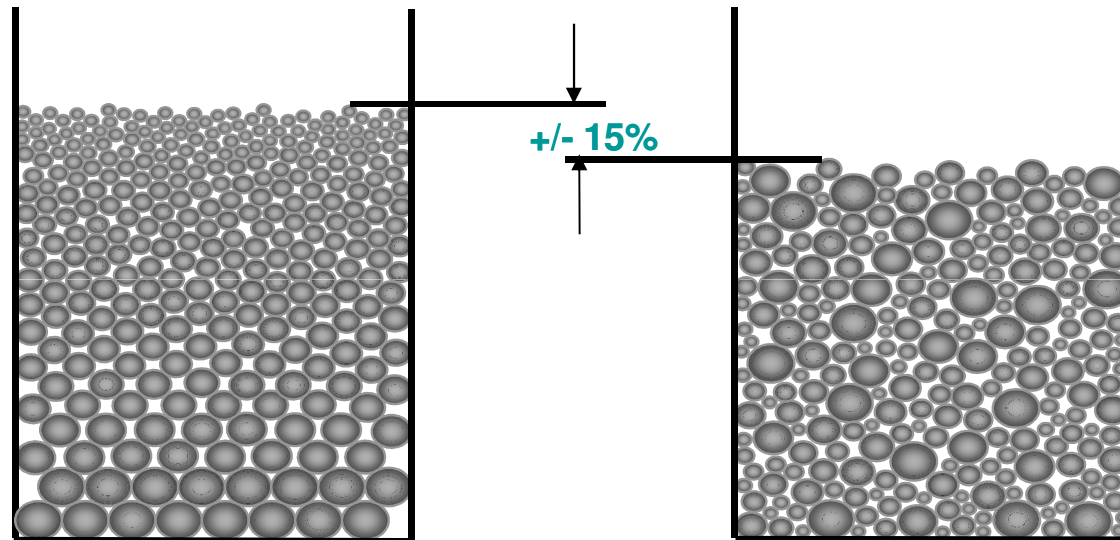


Density

- Useful comparative parameter
- Indicator of pore structure
 - Low density, more porous
- Good indication of spent carbon loading
- Real density
 - Density of graphite
 - 2100 – 2200 kg/m³
- Wetted particle density
 - 1200 – 1400 kg/m³
- Apparent density
 - Highest density on a dry basis
 - Simple
 - Repeatable
 - Good QC parameter
- Bulk density
 - 10% less than apparent density
- Bed density
 - = AD x 0.925
 - Typical property

Difference between Apparent and Backwashed & Drained Density



Backwashed and
drained density
(Segregated)

Apparent Density
(Fully mixed)

