ASME Section I Code Requirements

A Lowest permissible water level, determined by the boiler manufacturer.

B Lowest point of visible range.
   - Must be at least 2" above lowest permissible water level (Ref. ASME Sec.I PG-60.1)

C Outer diameter edge of upper steam piping.
   - Highest point of visible range "E" must not encroach on "C" (Ref. ASME Sec.I PG-60.3.2)

D Outer diameter edge of lower water piping.
   - Lowest point of visible range "B" must not encroach on "D" (Ref. ASME Sec.I PG-60.3.3)

E Highest point of visible range.

Manufacturer Reference Dimension

F Start of visible.
   - Reference dimension, lower side connection CL to "B" lowest visible range.
   - Lower side connection CL, whether a gage valve or side flange gage chamber.
   - Often times multi-section gages or ported gages with side flange chamber, are not centered.