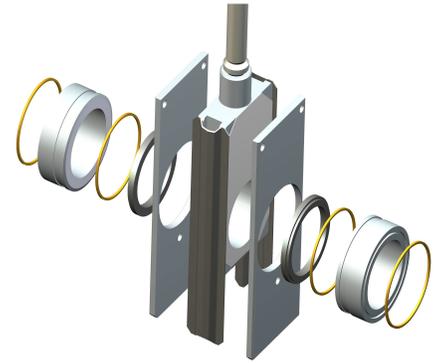




API Spec. 6A Material Class Explanation of Material Class



AA Standard Trim

For essential noncorrosive liquids or gases, like crude and refined oils, natural or refined gases and processed hydrocarbons. Typical uses are wellheads, manifolds, flow lines and other similar installations requiring a through conduit valve.

BB Stainless Trim

Suitable where the corrosion resistance of 13 Chrome Stainless Steel internal parts is desirable, Also usable for mildly corrosive of the internal body surfaces is acceptable. Recommended when partial pressure of CO₂ is greater than 30.

CC Full Stainless Trim

Suitable for any liquids or gaseous product where the resistance of the 13 Chrome Stainless Steel is adequate. Also used where the resistance of Stainless Steel is desirable from the standpoint of product purity. Recommended when partial pressure of CO₂ is greater than 30.

DD Low Temperature - Sour Gas and Oil

Recommended for sour gas and oil where resistance to Hydrogen Sulfide embitterment is needed. Also suitable for other chemicals, products or hydrocarbons when H₂S is present. May be used when CO₂ is present in smaller amount than H₂S.

EE Sour Gas and Oil

Recommended for sour gas and oil where resistance to Hydrogen Sulfide embitterment is needed. Also suitable for other chemicals, products or hydrocarbons when H₂S is present. May be used when CO₂ is present in smaller amount than H₂S.

FF Stainless Sour Gas and Oil Trim

Recommended for sour gas and oil when the CO₂ exceeds the H₂S content. It provides resistance to the metal loss type of corrosion usually associated with CO₂ plus resistance to Hydrogen Sulfide embitterment.

EE Waterflood (Uninhibited)

Recommended for use in untreated or uninhibited brackish saline water typically associated with oilfield water flood projects and/or disposal wells in which the internal plastic coating of the body surface provides resistance to salt water corrosion. The internal parts are also resistant to Sulfide embitterment and corrosion.