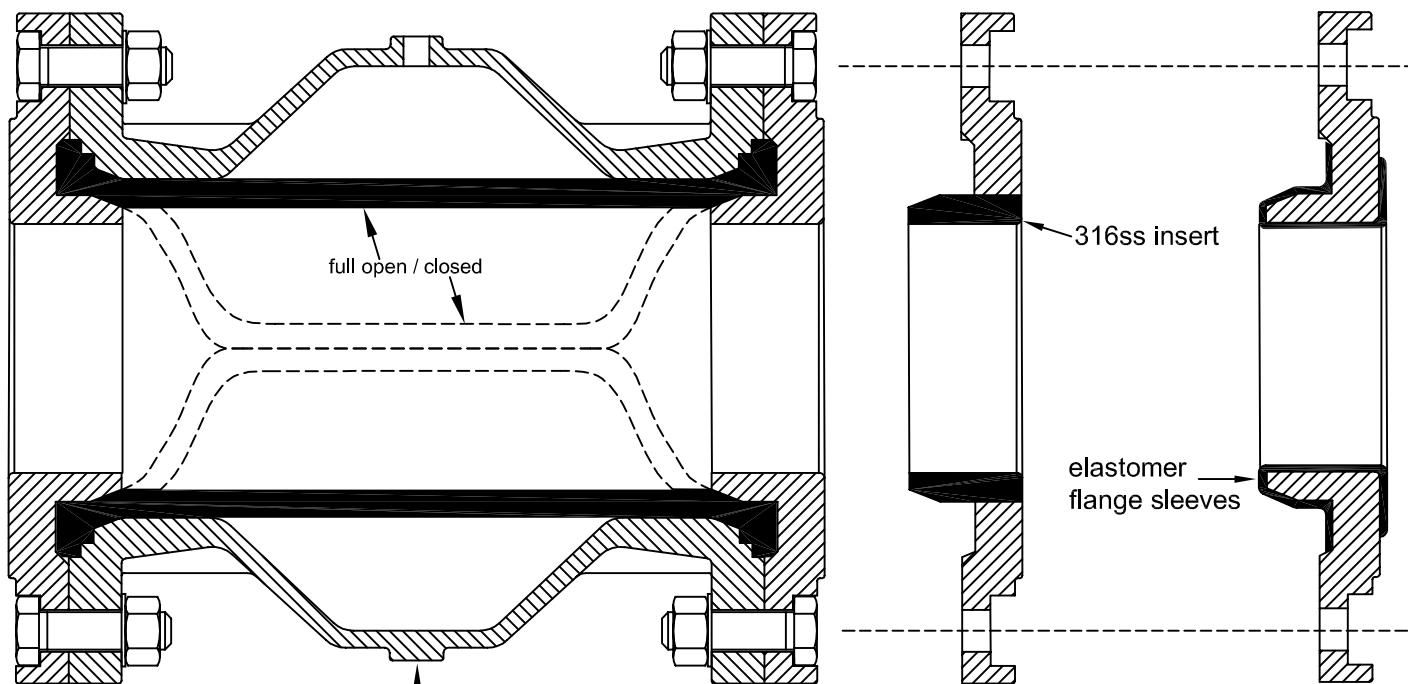


AK Series 1.5"-10" Pinch Valve Materials of Construction



Standard Design: *aluminum body with cast iron end flanges.*
(AK25 is all mild steel)

Body & Flange Materials

Body & Flange Materials	cast aluminum body & cast iron flange ends (aluminum flange ends optional) (AK25 is all mild steel)
Flange Options	316 stainless steel inserts or elastomer flange sleeves (sleeves are available in the same range of materials as liners)

Liner & Flange Sleeve Materials

Elastomers	Max. Temp.	Applications <small>(these are general properties - not recommendations)</small>
White Natural Rubber (food grade)	176°F	suitable for foods, wine, potable water, alcohol
Neoprene	194°F	resistant to dilute solvents, oils, acids, lubricants
Natural Gum Rubber (standard)	212°F	high abrasion resistant to sand, mineral slurries, waste water - <i>not oil resistant</i>
EPDM	266°F	resistant to hot water, steam, acids, alkalis - suitable for foods
Hypalon	266°F	resistant to hot water, steam, oxidants, acids, bases
Viton	302°F	resistant to solvents, oils, petrochemicals, aromatic hydrocarbons - avoid abrasives
Butyl	302°F	resistant to inorganic acids, & bases, hot water, steam, aliphatic hydrocarbons
Nitrile	302°F	resistant to petrochemicals, inorganic acids & alkalis
Silicone	320°F	resistant to abrasives, solvents, steam, petrochemicals, H ₂ SO ₄ and HCL

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