

Construction materials

Base material AISI 316 stainless steel

The base material for all parts is stainless steel AISI 316. This is an austenitic stainless steel that outperforms the cheaper AISI 304 material as often used in pumps.

Base material AISI 329 duplex stainless steel

In the chemical process industries the use of duplex stainless steels is increasing rapidly. Duplex stainless steel is better resistant against pitting in chloride based environments and in saline and sea water. It is also better wear resistant than AISI 316. This material can also be used at lower pH's.

Increase wear resistance

For applications where increased abrasion resistance is required the standard AISI 316 pump with impeller and wear liner in duplex is a good alternative. In more demanding applications it's possible to supply the volute/seal housing in duplex too.

Bolts, nuts and shaft and related parts

The standard material is AISI 316. Upon order these parts are also available in AISI 329.

Pump side shaft seal

The mechanical seal is a rubber bellows type with seal faces from sintered silicon carbide. This material is better suitable for most chemicals. The rubber parts are in Viton (FPM) or optionally in EPDM or KALREZ. The metal parts are in AISI 316Ti.

Elastomers

Both the AISI 316 and AISI 329 pumps come standard with Viton (FPM) elastomers. As an alternative Teflon coated or EPDM O-rings can be supplied.

Cables

The SubCab cable, specially developed for underwater use, is with an outer sheet from oil resistant and flame retardant chlorinated polyethylene. Upon demand a HCR (heat and chemical resistant) cable in Fluor ethylene propylene is available. The most widely used option is a flexible stainless steel protection sheath in AISI 316Ti that hermetically seals the cable from the medium.

