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Issue 1, August 2005

Materials Of Construction Metal Parts

This is not a bill of materials and should be used for guideline purposes only.

Wetted Metal Parts

Components	Pump Range	Production Method	Standard	
			AISI	Deutsche Stoff No.
Housing plate; impeller back plate, vane plate and lock nut.	H, CH, D, GP	Each component machined from a single billet of solid bar	316L	1.4404 ¹
Pump cover (casing)		Fabricated from: (1) tube (2) components machined from solid bar		
All	CR, CF	Investment cast		
Mechanical seal ²	All		316	1.4401
All	CA	Investment cast		

¹Stainless steel 316L with a maximum of 3% delta ferrite (1.4435) is available on request.

²We shall advise customers in circumstances where a mechanical seal is supplied whose *wetted* metal parts are *not* of stainless steel 316 (1.4401).

Non-wetted Metal Parts (excluding motor³)

Components	Pump Range	Production Method	Standard	
			AISI	Deutsche Stoff No.
Adaptor plate; Stub shaft	H, CH, D, GP	Each component machined from a single billet of solid bar	316L	1.4404
Flanged adaptor	(C)H160, (C)H190, D2, GP	Machined from a single billet of solid bar		
	(C)H220, (C)H240, (C)H260	Assembled from two components that were machined from solid bar		
	D3-D6	Fabricated from: (1) flat bar (2) components machined from solid bar		
Clamp ring	H, CH, D, GP	Fabricated from flat bar		
Clamp ring handle		Fabricated from components that were machined from solid bar		
All	CR, CF	Investment cast		
Impeller key	All		316	1.4401
Clamp ring washer	H, CH, D, GP	Pressed		
Mechanical seal ⁴	All			
Flanged adaptor bolts	H, CH, D, GP			
All	CA	Investment cast		
Adaptor plate screws	H, CH, D, GP			
Outer cowl	All	Rolled sheet ⁵	304	1.4301
Free-Standing Base (or cowl pedestal)	All	Fabricated from: (1) flat bar or box section		
		(2) feet machined from solid bar		

³The shaft clamp, where applicable, is also excluded.

⁴We do *not* advise customers in circumstances where a mechanical seal is supplied whose *non-wetted* metal parts are *not* of stainless steel 316 (1.4401), unless this information is requested.

⁵Where a repeat of an old-style cowl is supplied for a D or GP pump, this may also include a spinning.