

Material specification for EV, IsoBar - Glandless cast iron pumps\_

April 2003

Pump part	material	standard	name/trademark	content of elements %					
				C	Si	Mn	P	S	
Pumpcasing	cast iron GG20	DIN 1691.1	Meehanite GE 200	3.25-3.45	1.75-2.5	0.6-0.8	max. 0.4	max. 0.14	
Impeller	cast iron GG15	DIN 1691.1	Meehanite GF 150	3.3-3.6	2.4-3.0	0.4-0.6	max. 0.5	max. 0.14	
Motor shaft	Stainless steel	DIN 1.4034	X40Cr13						
Impeller	PSU- 30% glassfiber		Polysulfone						
O-ring	Rubber EPDM		Ethylene Propylene rubber						
Bearings axial	Ceramic		Ceramic Al.ox. Hilox 961						
Bearings radial	Carbon/graphfit		FH42Z2						
airvent. screw	brass	DS 5170-04	CuZn39Pb3	Cu 57-59	max 39		Pb 2.5-3.5		
metal parts	Stainless steel	AISI 316	17Cr12Ni2.5Mo	C max. 0.05	Cr 16.0-18.5	Ni 10.5-14.0	Mo 2.0-2.5		