

Material specification for EV - Glandless bronze pumps

April 2003

Pump part	material	standard	name/trademark	content of elements %					
				Al	Cu	Fe	Mn	Ni	P
Pumpcasing	Bronze RG5	DIN 1705	CuSn5Pb5Zn5	Al	Cu	Fe	Mn	Ni	P
				0.01	84-86	0.3	0.1	2.0	0.05
				Pb	S	Sb	Si	Sn	Zn
				4.0-6.0	0.1	0.25	0.01	4.0-6.0	4.0-6.0
Impeller	Bronze RG 9	DIN 1705	CuSn9Pb2Zn4	Al	Cu	Fe	Mn	Ni	p
				0.01	83.5-85.5	0.3	0.2	2.0	0.05
				Pb	S	Sb	Si	Sn	Zn
				1.5-3.0	0.1	0.35	0.01	8.0-10	3.0-5.0
Impeller	Bronze RG 10	DIN 1705	CuSn10Pb1.5Zn2.5	Al	Cu	Fe	Mn	Ni	p
				0.01	84.5-86.5	0.3	0.2	2.0	0.05
				Pb	S	Sb	Si	Sn	Zn
				1.0-2.0	0.1	0.35	0.01	9.0-11	1.5-3.5
Impeller	PPS- 30% glassfiber		Polyphenylene sulfide						
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	max	Pb			
				57-59	39	2.5-3.5			
metal parts	Stainless steel	AISI 316	17Cr12Ni2.5Mo	C	Cr	Ni	Mo		
				max. 0.05	16.0-18.5	10.5-14.0	2.0-2.5		