

Technical Data Sheet										LEWA																									
Customer PFI Flowtechnik A/S					Customer Reference No. PFI FLOWTEKNIK																														
Baldersbuen 49					19829																														
2640 Hedehusene					LEWA-Quotation-No. --000			LEWA-Commission-No. P12-584870		LEWA-Position 010																									
1	Element				a				Page 1 of 1																										
Enquiry Data (If operating data are incomplete LEWA takes no responsibility for the pump selection!)																																			
2	Fluid				Polymer				dangerous acc. 67/548/EEC ☐																										
3					min		max				min																								
4	Concentration [%]				100.00		100.00		Vapour pressure [bara]		0.03																								
5	Fluid temperature [°C]				20		20		Solidifying point [°C]		-																								
6	Density [g/cm3]				1.00		1.00		Solids Concentration [%]		-																								
7	Viscosity [mPa s]				1.00		50.00		Density [g/cm3]		-																								
8	Required flow [l/h]						2.00		Solids sizes [mm]		-																								
9	Operat. press. disch. [bar]						30.00		Hardness [Mohs]		-																								
10	Operating press. suct. [bar]								Settling rate [m/s]		-																								
11	Area classification								Compressibility [%]		0.15																								
12	Ambient conditions (temperature, climate,...)																																		
Design data																																			
13	No. 1				LEWA-Serial-No. 584870-010 . 001																														
14	Type LCA1				horiz. (h) / vertical (v) v				Custom.-Item-No.																										
15	Drive unit		Type	LCA		Driver		Make	VEM																										
17	Rod thrust		[N]	1350		Type		K21R 63G4																											
18	Stroke adjustment		manual (HHV)			Power		[kW]	0.18																										
19	Eccentricity		[°]	0		Rpm		[min-1]	1361																										
20	Gear reduction		10.00			Ex-protection		-																											
21	Strokes per minute min/max		[min-1]	136 / 136		Protection / Insulation		IP55 / F																											
22	Intermed. elem.-Type/Width		[mm]	- / -		Voltage		[V]	400																										
23	Pumphead		Type	M910S		Phases / Frequency		[Hz]	3 / 50																										
24	Plunger-Ø		[mm]	6		Size / Mounting		063 / V18																											
25	Flow @ max. op. press.		[l/h]	2.68		Flange-Ø		[mm]	C090																										
26	Max. perm. op. press.		[bar]	30.00		Shaft-Ø		[mm] x [mm]	11Dx23																										
27	Diaphragm condition monitor		1/2"NPT FEM.			Thermistors		3																											
28	Vent screw		no			design (VIK,CSA,-)		-																											
29	Type of plunger sealing		ground bush			Additional remarks :																													
30	Plunger linkage		m																																
31	Valve Suction / DN		K1D / 5			Variable frequency drive																													
32	Spring load		[bar]	-		Range		[Hz]	50-50																										
33	Valve Discharge / DN		K1D / 5			Start-up against load		yes																											
34	Spring load		[bar]	-		Rated torque at max. press.		[Nm]	0.22																										
35	Sett. PRV pumphead int.		[bar]	36.00		Start-up torque at max. press.		[Nm]	0.78																										
36	Sett. PRV external		[bar]	36.00		Additional remarks :																													
37	Inlet pressure loss		[bar]	0.03																															
38	Min. req. suct. press.		[bara]	0.06		General																													
39	Connection Suction		ISO G 3/8 fem.			Paint		RAL 5015																											
40	Discharge		ISO G 3/8 fem.			Name plate		EN																											
41	Connection Flushing		-			Weight		[kg]	26																										
42	Heating / Cooling		-			Sound pressure		[dB(A)]	< 70																										
43	Materials LEWA material-Code		3			Ex-protection (pump)		-																											
44	Pumphead / Valve body		316L / 1.4571			Accessories / Documentation / Remarks : flowrate with water 2.67 [l/h] at operating pressure																													
45	diaphragm		PTFE																																
46	Valve Seat / Insert ring		1.4571 / -																																
47	Guide / ball		1.4571 / OK-USP																																
48	Spring / Sealing ring		- / Gyl																																
49	Type of plunger sealing		-																																
50	Hydraulic fluid (diaphragm head)		DIN 51517-3 CLP 100																																
51	Intermed. fluid (sandwich diaphr.)		SI-FDA																																
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