

FLUID Centrifugal pump with sanitary design



The new range of FLUID centrifugal pumps has been developed for the transfer of all types of products in the chemical, food, pharmaceutical and cosmetics industries.

Its internal design has been developed with particular attention to geometry in order to obtain a unit with a very high degree of hygiene levels that meets the requirements of EHEDG regulations. All this allows the pumps in this range to be used with a guarantee of total cleanliness after undergoing a CIP or SIP cleaning and disinfecting process, without disassembly.

The FLUIDMIM technical department has developed a high-efficiency impeller design using computational design software and 3D printing that allows it to provide flow rates of up to 100 m³/h with high performance and lower power consumption. The characteristics of the new impellers can reduce the NPSH required, lowering the risk of cavitation and improving safety during operation.

FLUID pumps are optionally equipped with a balanced single internal mechanical seal that is easy to assemble and offers a sanitary design while being EHEDG standards-compliant.

The motors used to drive the FLUID pump range comply with IEC standards both in terms of energy efficiency and in terms of its configuration with B5 flanges and B3 foot mounts.

All this means that the FLUID pumps are efficient pumping units that offer high performance and guarantee a very high level of sanitation.

CHARACTERISTICS

Final finish level: Sanitary
High-performance semi-open impeller
C/SS/EPDM mechanical seal
Simplicity of parts
CLAMP
DIN 11851 connections
EHEDG standards-compliant

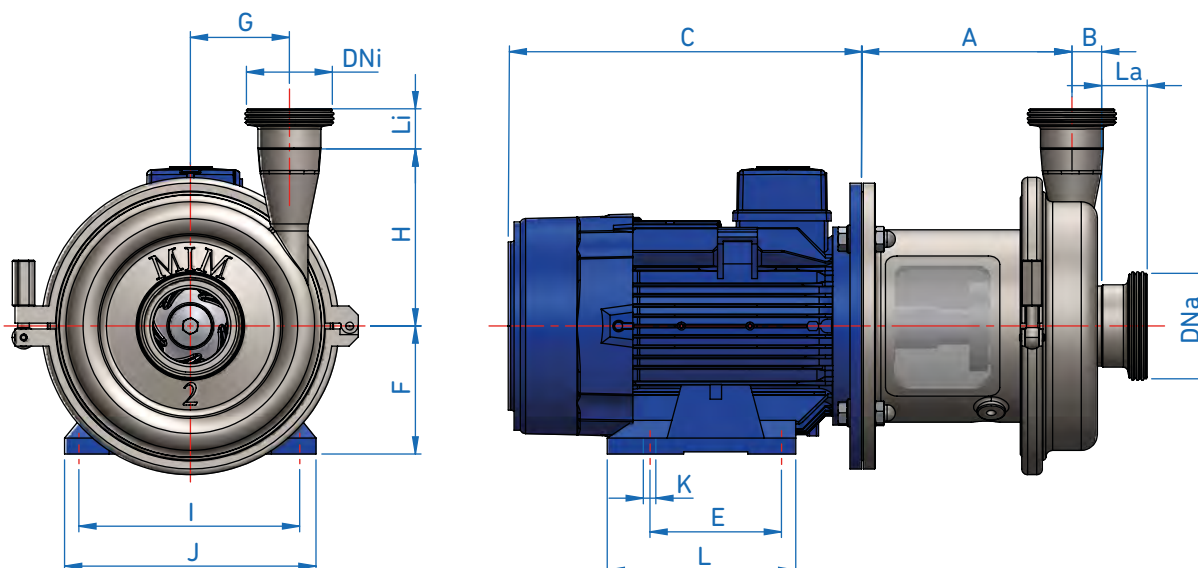
MATERIALS

Impeller, body and flange made of AISI 316L stainless steel
Lantern ring, feet and cover in AISI 304L stainless steel
EPDM gaskets

OPTIONS

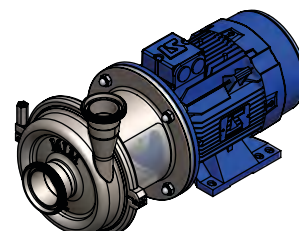
Other connections: DIN 11861, GAS, CLAMP, SMS, RJT, etc.
Gaskets available in nitrile, Viton and other materials
Contact surfaces: Tungsten carbide, silicon carbide, etc.
Sanitary mechanical seal, EHEDG standards-compliant
Double mechanical seal cooled by thermosyphon
Sanitary surface finish with Ra<0.5 µm
Body with heating chamber
Control box
Variable frequency drive
Motor available with different voltages, frequencies and protections
Motor for explosive atmospheres or increased safety
Drainage
Feet and motor cover
Base plate, trolley

FLUID MODEL GENERAL DIMENSIONS

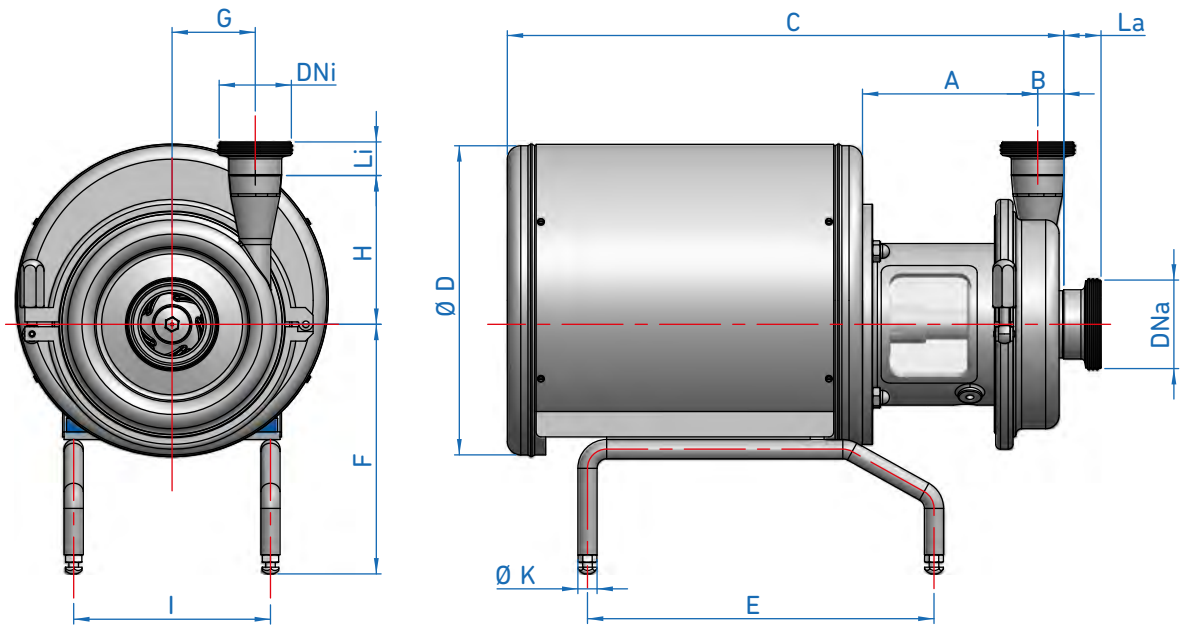


MODEL	MOTOR				DIMENSIONS																	
	T	KW	Dna	Dni	A	B	C*	E*	F	G	H	I*	J*	K*	L*	WEIGHT (Kg)						
FLUID 101	71	0.37	50	40	140	21	210	90	71	68.5	143	112	136	7	110	20						
		0.55															21					
	80	0.75			160		225	100	80			125	154	10	125	21.5						
		1.1																	22.5			
	90	1.5					260	100	90			140	170	10	125	25						
		2.2																	150	30		
FLUID 102	90	1.5	65	50	169	26	240	100	90	86.5	155	140	174	10	155	35						
		2.2					260	125									37					
	100	3			184		290	140	100			160	195	12	180	45						
	112	4														335	140	112	190	225		50
	132	5.5			208		470	178	132			216	252	14	226	75						
		7.5																			85	
	FLUID 103	112			4		80	65	195			29	533	140	195	107	195	190	225	12	190	55
		132			5.5				220				495	178	220			216	252	14	226	83
7.5											90											
160		11	250	581	210	250			254	296	14		296	165								
		15		620	154														182			
		18.5													190							
FLUID 104	112	4	80	65	202.5	33.5	533	140	112	125.5	215	190	225	12	190	67						
	132	5.5			227.5		505	178	132			216	252	14	226	98						
		7.5																104				
	160	11			255		581	210	160			254	296	14	296	180						
		15					620	254											196			
		18.5															202					
	180	22										650	279	180			179	341		319	212	

	FLUID 101				FLUID 102				FLUID 103/104			
RACCORD	Dna	Dni	La	Li	Dna	Dni	La	Li	Dna	Dni	La	Li
DIN 11851	50	40	23	22	65	50	25	23	80	65	45	40
CLAMP	2"	1 1/2"	21.5	21.5	2 1/2"	2"	28,5	21,5	3"	2 1/2"	49	49
SMS	51	38	25	25	63	51	30	25	71	51	30	25



FLUID MODEL GENERAL DIMENSIONS



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	T	KW	Dna	Dni	A	B	C*	D*	E*	F	G	H	I*	K*							
FLUID 101	71	0.37	50	40	140	21	410	250	295	209	68.5	143	180	16	23						
		0.55			160		430			325			218		135	29					
	80	0.75															480	228	150	26.5	
		1.1																			
	90	1.5						34													
		2.2																			
FLUID 102	90	1.5	65	50	169	26	493	325	295	228	86.5	155	150	20	36						
		2.2			184		550		361	248			210		81						
	100	3														580	375	280	216	236	91
		4																			
	112	5.5			208		816	280	216	236		91									
		7.5																			
	FLUID 103	112			4		80	65	195	29		593	325		361	260	107	195	210	25	60
					132				5.5			220	690			375			280		236
7.5		250	860	450		465			310		299			200							
160					11																
					15																
18.5																					
FLUID 104	112	4	80	65	202.5	33.5	596	325	361	260	125.5	215	210	25	73						
		132			5.5		227.5	700		375			280		236	110					
	7.5																				
	160	11			255		870	450	465	310			299		210						
		15																			
	18.5																				
	180	22														890	475	330	324	220	

	FLUID 101				FLUID 102				FLUID 103/104			
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DIN 11851	50	40	23	22	65	50	25	23	80	65	45	40
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SMS	51	38	25	25	63	51	30	25	71	51	30	25

FLUID SELECTION DIAGRAM

- FLUID 104
- FLUID 103
- FLUID 102
- FLUID 101

