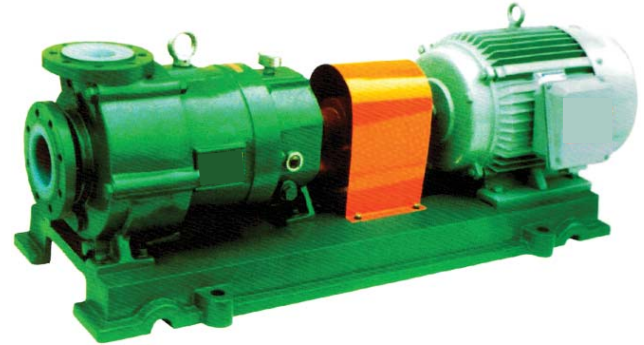


MSP Magnetic Sealless Pump

• Application •

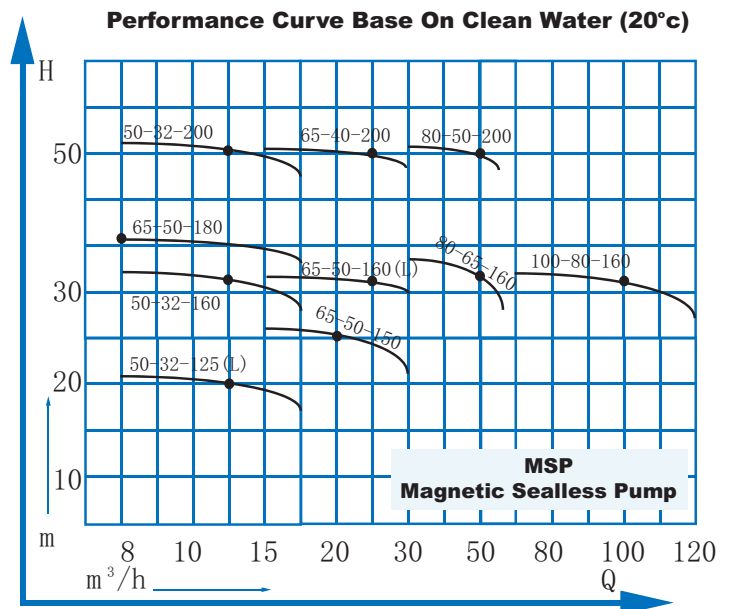
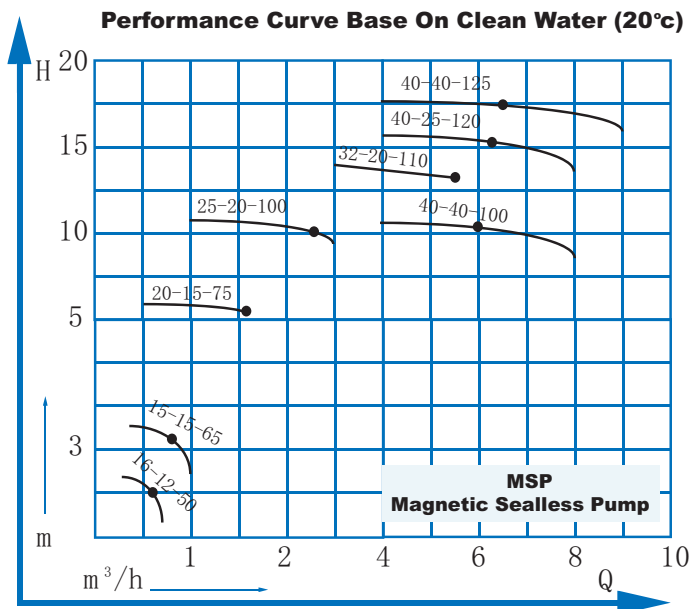
Petrochemical, Chemical Processing, Bulk Unload & Transfer, Plating Recirculation / Filtration, PCB Etching / Rinse, Fumes Scrubber, Waste Water Treatment, Electronics Manufacturing, Underground Storage Tank, Top Opening Tank, Sumps, Pharmaceutical & Photo Processing, And Any Hazardous Chemical Applications...



Flow (m³/hr)	0.6 - 120
Max. Head (m)	2 - 52
Temperature (°C)	-20 °C - 100 °C
Design	Direct Coupled, Back Pull Out End Suction Coupling
Features	Fully PFA, PFA Lined

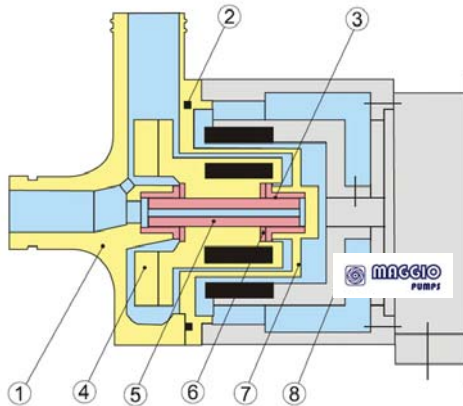
*PFA-Perfluoroalkoxy, Teflon-PFA

Performance Curve



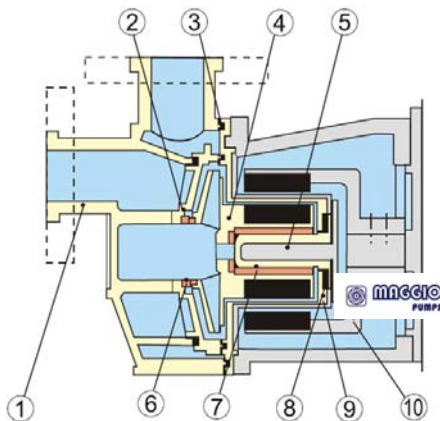
Structure Diagram & Material

● MSP 16-12-50F ● MSP 20-15-75F ● MSP 15-15-65F ● MSP 25-20-100F



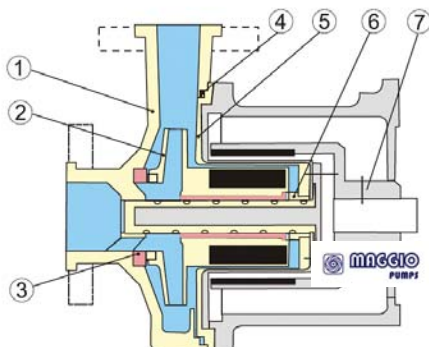
No	Structure	Material
1	Pump Body	PFA-Teflon
2	O-Ring	Viton/PTFE
3	Bearing	High Density Carbon
4	Impeller	PFA-Teflon
5	Shaft	Ceramic
6	Stop Ring	High Density Carbon
7	Back Plate	PFA-Teflon
8	Drive Assembly	Neodymium Iron

● MSP 40-40-125F



No	Structure	Material
1	Pump Body	PFA-Teflon
2	Ring	PFA-Teflon
3	O-Ring	Viton/PTFE
4	Impeller	PFA-Teflon
5	Shaft	PTFE
6	Seal Ring	Ceramic
7	Bearing	Ceramic
8	Back Plate Ring	Viton/PTFE
9	Back Plate	FEP/1Cr18Ni 9Ti
10	Drive Assembly	Neodymium Iron

● MSP 32-20-110F ● MSP 40-25-120F ● MSP 40-40-100F ● MSP 50-32-125F

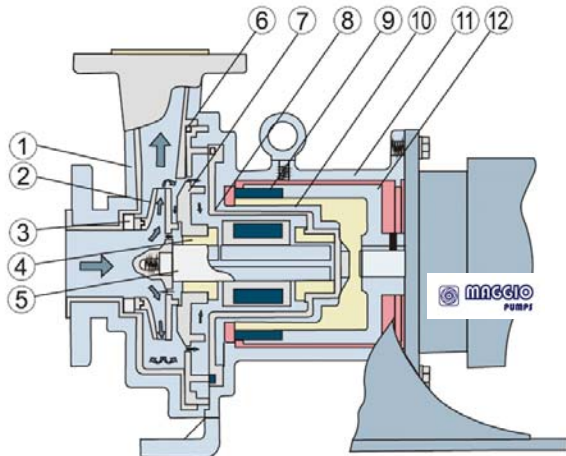


No	Structure	Material
1	Pump Body	PFA-Teflon
2	Impeller	PFA-Teflon
3	Seal Ring	Ceramic
4	O-Ring	Viton/PTFE
5	Back Plate	PFA-Teflon
6	Bearing	High Density Carbon
7	Drive Assembly	Neodymium Iron

*PFA-Perfluoroalkoxy, Teflon-PFA

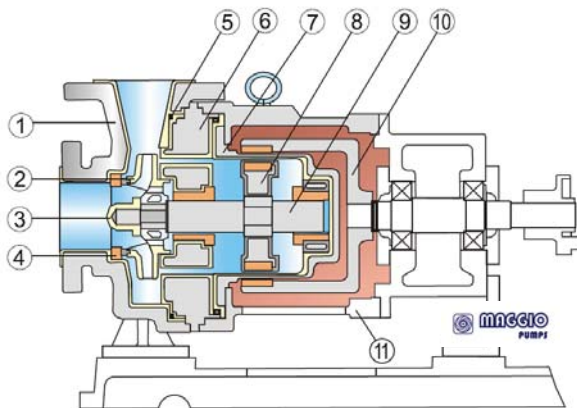
Structure Diagram & Material

● MSP 65-50-150F ● MSP 65-50-160F ● MSP 65-50-180F



No	Structure	Material
1	Pump Body	FEP/HT200
2	Impeller	PFA-Teflon
3	Seal Ring	Ceramic
4	Bearing	PTFE
5	Shaft	Ceramic
6	O-Ring	Viton/PTFE
7	Inner Shaft Support	PFA-Teflon
8	Back Plate	FEP/1Cr18Ni 9Ti
9	Drive Magnet	Neodymium Iron
10	Outer Back Plate	1Cr18Ni 9Ti
11	Motor Adaptor	HT200
12	Drive Assembly	HT200

● MSP 50-32-125FA ● MSP 50-32-160FA ● MSP 50-32-200FA ● MSP 65-40-200FA ● MSP 65-50-160FLA
● MSP 80-65-160FA ● MSP 80-50-200FA ● MSP 100-80-160FL

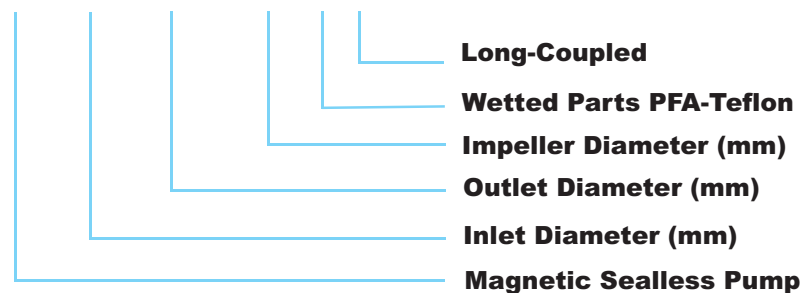


No	Structure	Material
1	Pump Body	FEP/HT200
2	Impeller	PFA-Teflon
3	Impeller Nut	PTFE
4	Seal Ring	Ceramic
5	O-Ring	Viton/PTFE
6	Pump Cover	FEP
7	Back Plate	FEP
8	Spindle	FEP
9	Drive Magnet	Neodymium Iron
10	Shaft	Silicon Carbide
11	Pump Housing	HT200

*PFA-Perfluoroalkoxy, Teflon-PFH

Type Keys

MSP 80 - 50 - 200 F L



Note : All specifications subject to change without prior notice.



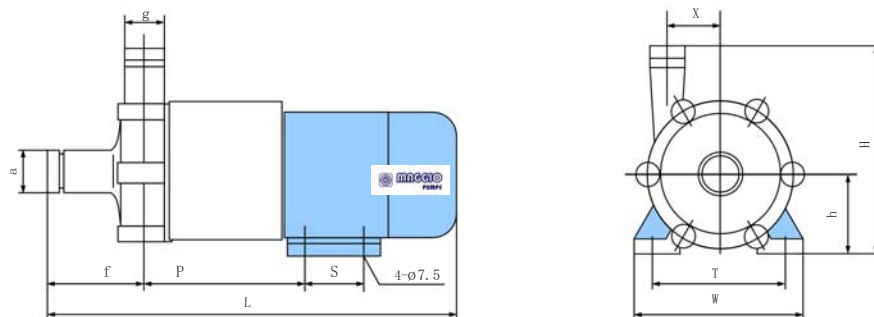
Specifications

No	Model	Flow Rate (m ³ /hr)	Head (m)	Efficiency (%)	NPSH (m)	Inlet/Outlet Diameter (mm)	Speed (r/min)	Power (kw)	kg
1	MSP16-12-50F	*0.6	2	8	9.0	16X12	2900	0.025	5
		0.8	1.5	10					
2	MSP15-15-65F	*0.8	3.2	16	6.0	15X15	2900	0.180	7
		1	2.8	18					
3	MSP20-15-75F	1	7	20	6.0	20X15	2900	0.180	8
		*1.6	7	22					
4	MSP25-20-100F	1	10.5	25	6.0	25X20	2900	0.370	12
		*2.5	10.5	28					
5	MSP32-20-110F	4	13.5	30	6.0	32X20	2900	0.550	18
		*5.5	13	35					
6	MSP40-25-120F	4	15	36	5.0	40X25	2900	0.750	35
		*6.3	15	42					
		8	12	42					
7	MSP40-40-100F	4	11	38	5.0	40X40	2900	0.550	20
		*6	11	43					
		8	9	45					
8	MSP40-40-125F	4	19	35	3.7	40X40	2900	1.1	40
		*6.5	17.5	42					
		9	16	40					
9	MSP50-32-125F	7	22	28	3.5	50X32	2900	1.5	45
		*12	20	42					
		15	19	46					
10	MSP50-30-125FA	7	22	28	3.5	50X32	2900	2.2	105
		*12.5	20	42					
		15	19	46					
11	MSP50-32-160FA	7	33	30	3.5	50X32	2900	4.0	140
		*12.5	32	39					
		15	29	41					
12	MSP50-32-200FA	7	52	20	3.5	50X32	2900	7.5	210
		*12.5	50	31					
		15	48	35					
13	MSP65-50-150F	15	26	40	4.0	65X50	2900	4.0	100
		*20	25	48					
		25	24	52					
14	MSP65-50-160F	15	32	38	4.0	65X50	2900	4.0	100
		*17.5	32	40					
		20	29	47					
15	MSP65-50-180F	6	37	22	4.0	65X50	2900	5.5	120
		*8	36	28					
		10	33	30					
16	MSP65-50-160FL	15	33	41	4.0	65X50	2900	7.5	210
		*25	32	51					
		30	29	55					
17	MSP65-40-200FA	15	51	41	4.0	65X40	2900	11.0	250
		*25	50	48					
		30	49	54					
18	MSP80-65-160FA	35	34	45	4.0	80X65	2900	11.0	285
		*50	32	60					
		60	28	52					
19	MSP80-50-200FA	35	52	50	4.0	80X50	2900	18.5	320
		*50	50	60					
		60	45	60					
20	MSP100-80-160FL	70	34	53	5.0	100X80	2900	18.5	300
		*100	32	58					
		120	30	60					

Note : All specifications subject to change without prior notice.

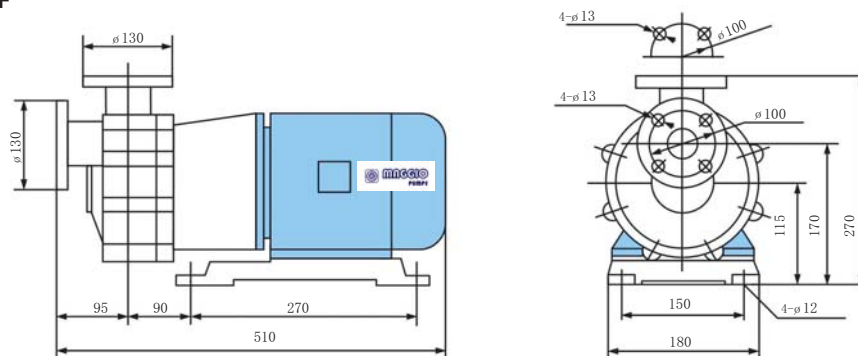
Dimensions

● MSP16-12-50F ● MSP15-15-65F ● MSP20-15-75F ● MSP25-20-100F

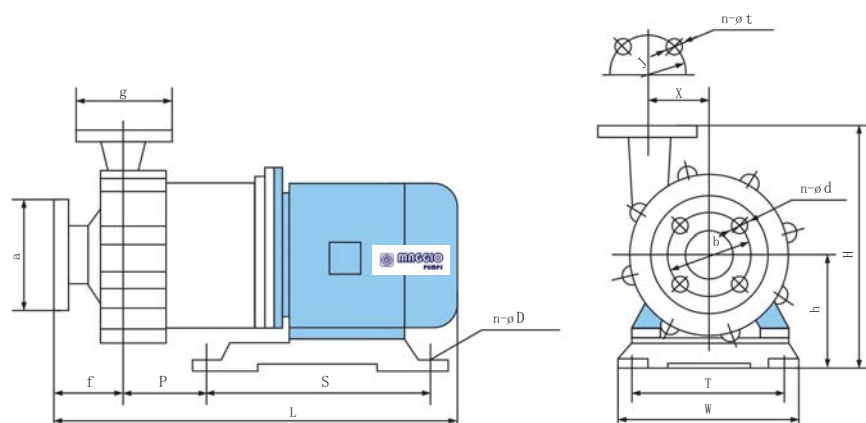


Model	L	S	P	f	W	T	H	h	a	g	x
MSP16-12-50F	200	56	80	30	90	71	100	45	24	17	22
MSP15-15-65F	290	71	115	40	112	90	125	56	20	20	25
MSP20-15-75F	316	71	120	55	112	90	138	56	27	20	38
MSP25-20-100F	360	80	150	60	125	100	165	63	34	26	49

● MSP40-40-125F



● MSP32-20-110F ● MSP40-25-120F ● MSP40-40-100F ● MSP50-32-125F

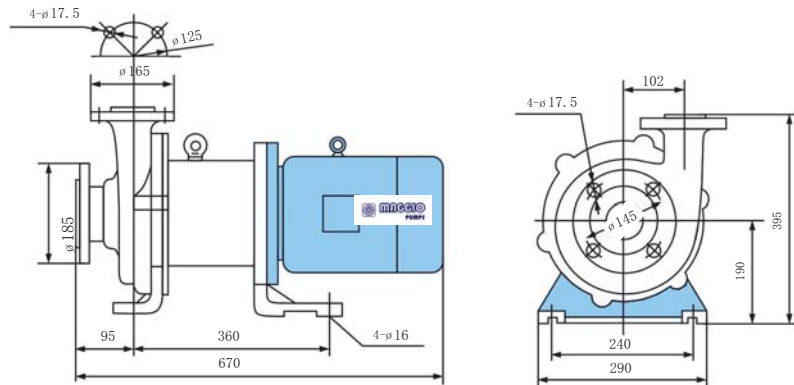


Note : All specifications subject to change without prior notice.

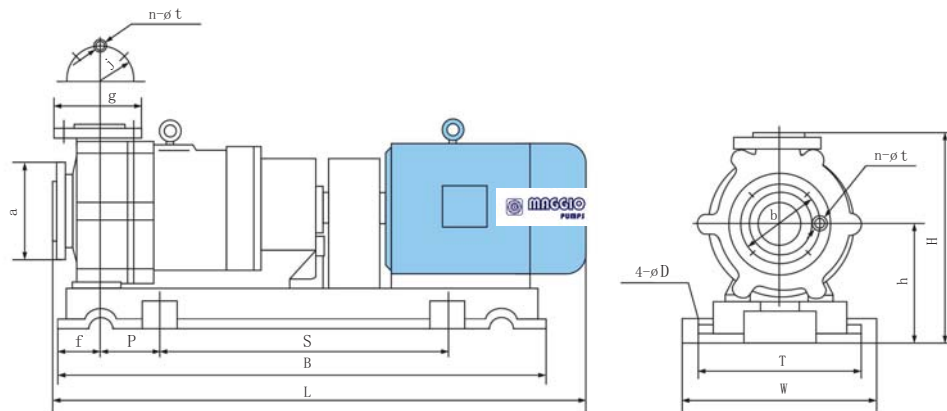
Dimensions

Model	L	S	P	f	W	T	H	h	a	g	b	j	x	n- ϕ d	n- ϕ t	n- ϕ D
MSP32-20-110F	430	200	125	65	148	115	216	105	120	90	90	65	60	4- ϕ 13	4- ϕ 11	4- ϕ 12
MSP40-25-120F	435	270	65	50	175	150	244	113	140	100	100	75	67	4- ϕ M12	4- ϕ 11	4- ϕ 12
MSP50-32-125F	510	225	65	85	192	158	268	128	130	120	100	90	76	4- ϕ 13	4- ϕ 11	4- ϕ 13
MSP40-40-100F	430	200	125	65	148	115	216	105	130	130	100	100	60	4- ϕ 13	4- ϕ 13	4- ϕ 12
MSP40-40-125F	510	270	90	95	180	150	270	115	130	130	100	100	-	4- ϕ 13	4- ϕ 13	-

● MSP65-50-150F ● MSP65-50-160F ● MSP65-50-180F



● MSP50-32-125FA ● MSP50-32-160FA ● MSP50-32-200FA ● MSP65-50-160FL ● MSP65-40-200FA ● MSP80-65-160FA
● MSP80-50-200FA ● MSP100-80-160FL



Model	L	B	S	P	f	W	T	H	h	D	a	b	g	j	n- ϕ d	n- ϕ t
MSP50-32-125FA	950	895	590	75	80	395	330	352	212	24	165	125	140	100	4- ϕ 18	4-M16
MSP50-32-160FA	1025	920	590	100	80	390	330	392	232	24	165	125	140	100	4- ϕ 18	4- ϕ 18
MSP50-32-200FA	1040	990	650	90	80	450	380	440	260	25	165	125	140	100	4-M16	4- ϕ 18
MSP65-50-160FL	1035	990	650	170	80	150	380	392	232	24	185	145	165	125	4-M16	4- ϕ 18
MSP65-40-200FA	1180	1130	720	105	80	500	435	440	260	24	185	145	150	110	4-M16	4-M16
MSP80-65-160FA	1305	1160	730	130	100	480	430	420	240	24	200	160	185	145	8-M16	8-M16
MSP80-50-200FA	1420	1160	730	130	100	480	430	440	240	24	200	160	165	125	4-M16	8- ϕ 18
MSP100-80-160FL	1255	1130	720	130	100	485	435	500	280	24	220	180	200	160	8-M16	8-M16

Note : All specifications subject to change without prior notice.