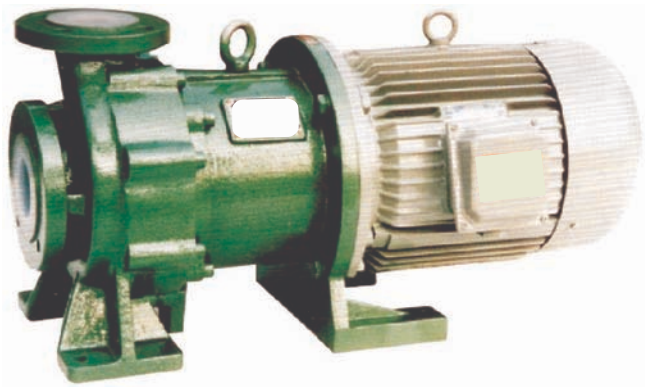
MCP Magnetic Drive Sealless Pump

● Typical 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, Phamaceutical & Photo Processing, And Any Hazardous Chemical Applications...

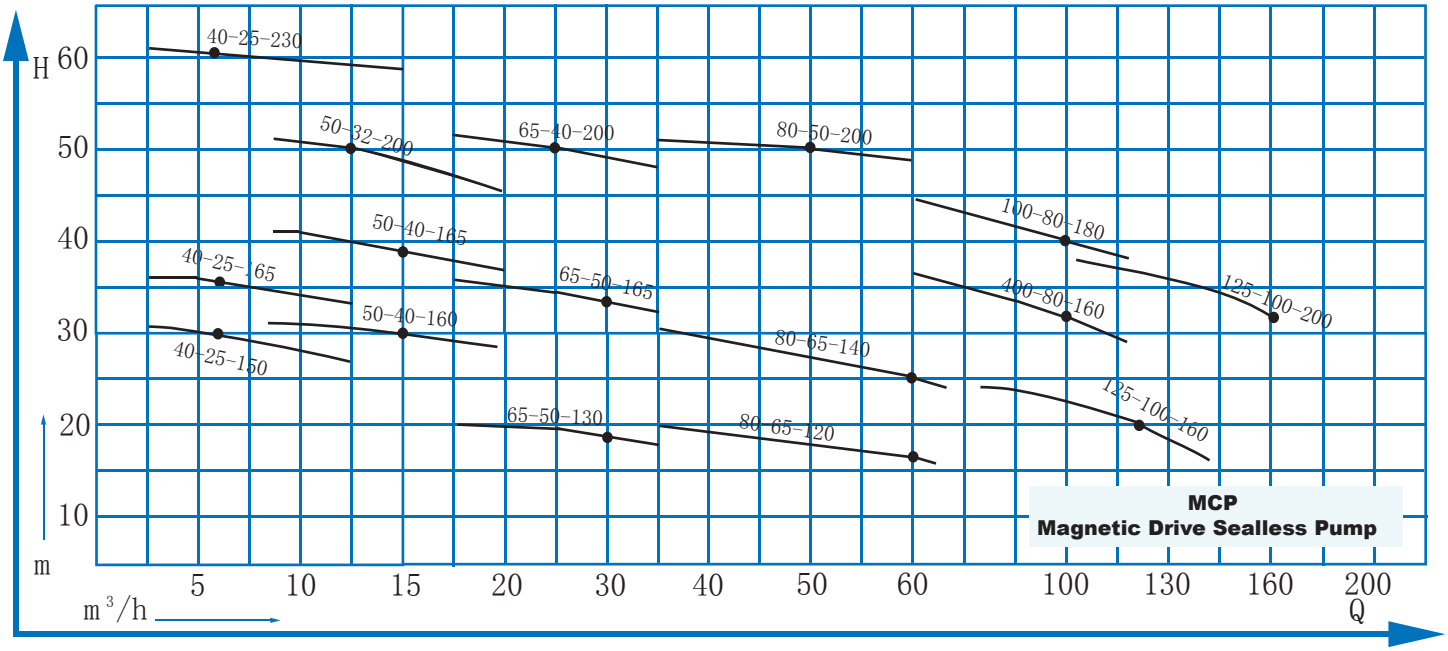


Flow (m /hr)	**0.7 - 160**
Max. Head (m)	**12 - 62**
Temperature (c)	**-20℃ - 100℃**
Design	**Direct Coupled**
Features	**PFA Lined**

***PFA-Perfluoroalkoxy, Teflon-PFA**

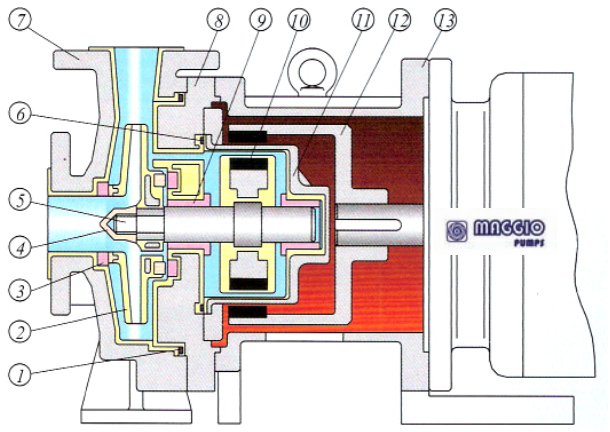
Performance Curve

Performance Curve Base On Clean Water (20˚c)



Structure Diagram & Material

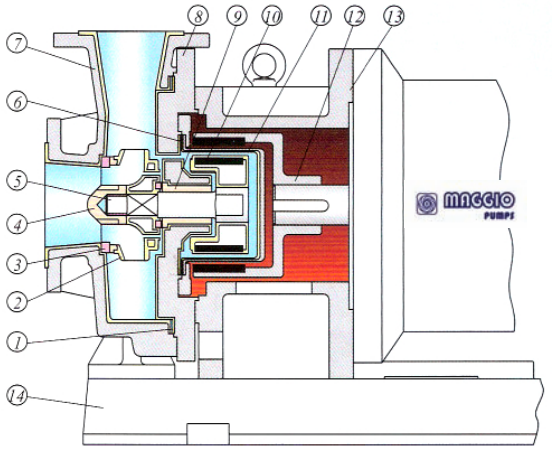
● MCP 40-25-150F ● MCP 40-25-165F ● MCP 40-25-170F ● MCP 65-50-120F ● MCP 65-50-130F
● MCP 50-40-150F ● MCP 50-40-160F ● MCP 50-40-165F ● MCP 80-65-120F ● MCP 80-65-140F



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

*PFA=Perfluoroalkoxy, Teflon-PFA

● MCP 50-32-200F ● MCP 50-32-195F ● MCP 65-40-200F ● MCP 80-65-120F ● MCP 80-65-140F
● MCP 80-50-200F ● MCP 100-80-160F ● MCP 100-80-180F ● MCP 125-100-160F



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

*PFA=Perfluoroalkoxy, Teflon-PFA

Note : All specifications subject to change without prior notice.

Specifications

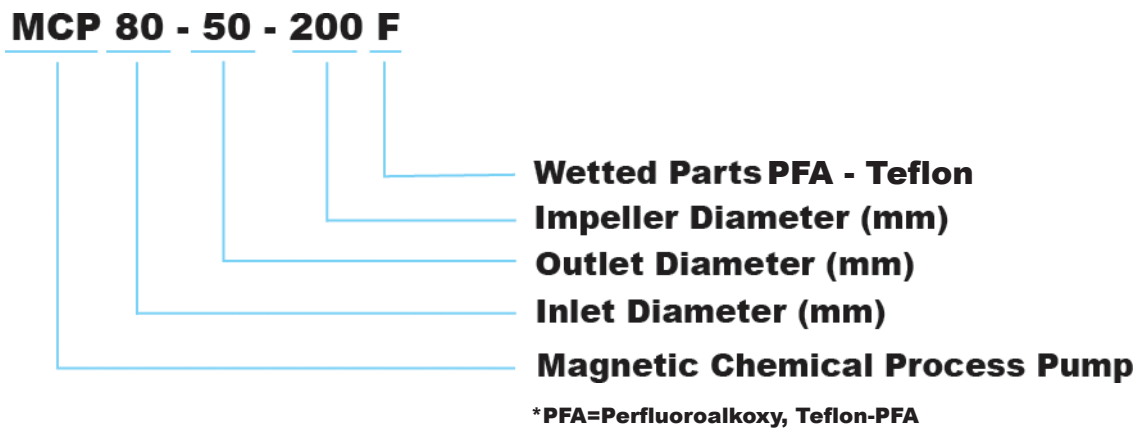
No	Model	Flow Rate (m^3/hr)	Head (m)	Efficiency (%)	NPSH (m)	Inlet/Outlet Diameter (mm)	Speed (r/min)	Power (kw)	kg
1	MCP40-25-130FA	4	21	25	3.0	40X25	2900	3	85
		*6	20	32					
		8	18	33					
2	MCP40-25-140FA	4	27	25	3.0	40X25	2900	3	85
		*6	26	32					
		8	24	33					
3	MCP40-25-150FA	4	31	25	3.0	40X25	2900	3	85
		*6	30	32					
		8	28	33					
4	MCP40-25-160FA	4	35	25	3.0	40X25	2900	3	85
		*6	34	31					
		8	32	32					
5	MCP40-25-165FA	4	37	25	3.0	40X25	2900	3	85
		*6	36	29					
		8	34	30					
6	MCP40-25-170FA	4	40	25	3.0	40X25	2900	4	90
		*6	39	28					
		8	36	29					
7	MCP40-25-185F	0.7	39	25	3.0	40X25	2900	3	85
		*1	39	28					
		2	38	28					
8	MCP40-25-230F	4	62	15	3.0	40X25	2900	7.5	170
		*6	60	20					
		10	57	32					
9	MCP50-40-140F	8	28	27	3.5	50X40	2900	5.5	140
		*15	26	40					
		20	23	41					
10	MCP50-40-150F	8	32	25	3.5	50X40	2900	5.5	140
		*15	30	38					
		20	27	39					
11	MCP50-40-160F	8	37	23	3.5	50X40	2900	5.5	140
		*15	36	36					
		20	33	39					
12	MCP50-40-165F	8	40	28	3.5	50X40	2900	5.5	140
		*15	39	40					
		20	36	43					
13	MCP50-32-200F	7	52	20	3.5	50X32	2900	7.5	170
		*12.5	50	31					
		15	47	38					
14	MCP50-32-195F	5	51	25	3.5	50X32	2900	7.5	170
		*7	50	28					
		10	48	33					
15	MCP65-50-120	20	21	40	4.0	65X50	2900	5.5	135
		*30	15	50					
		35	12	50					
16	MCP65-50-130F	20	20	45	4.0	65X50	2900	5.5	135
		*30	19	55					
		35	17	56					
17	MCP65-50-165F	20	35	40	4.0	65X50	2900	7.5	145
		*30	33	54					
		35	30	52					
18	MCP65-40-200F	15	52	25	4.0	65X40	2900	11	300
		*25	50	37					
		35	45	42					

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
19	MCP80-65-120F	35	19	35	4.0	80X65	2900	11	300
		*60	17	51					
		70	13	48					
20	MCP80-65-140F	35	28	35	4.0	80X65	2900	11	300
		*60	25	46					
		70	22	46					
21	MCP80-50-200F	35	52	50	4.0	80X50	2900	18.5	335
		*50	50	55					
		60	45	56					
22	MCP100-80-160F	60	34	50	5.0	100X80	2900	30	435
		*100	32	60					
		120	27	62					
23	MCP100-80-180F	60	42	50	5.0	100X80	2900	30	435
		*100	40	60					
		120	35	62					
24	MCP125-100-160F	80	22	50	6.0	125X100	2900	30	660
		*120	20	56					
		140	15	56					
25	MCP125-100-200F	100	40	50	6.0	125X100	2900	37	680
		*120	37	56					
		160	32	56					

Type Keys

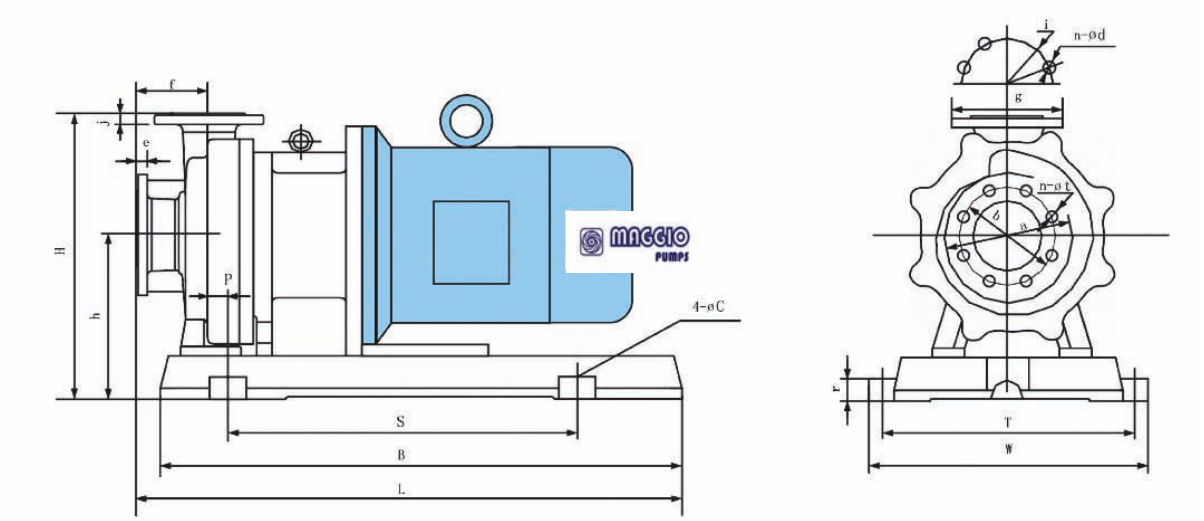


*PFA=Perfluoroalkoxy, Teflon-PFA

Note : All specifications subject to change without prior notice.

Dimensions

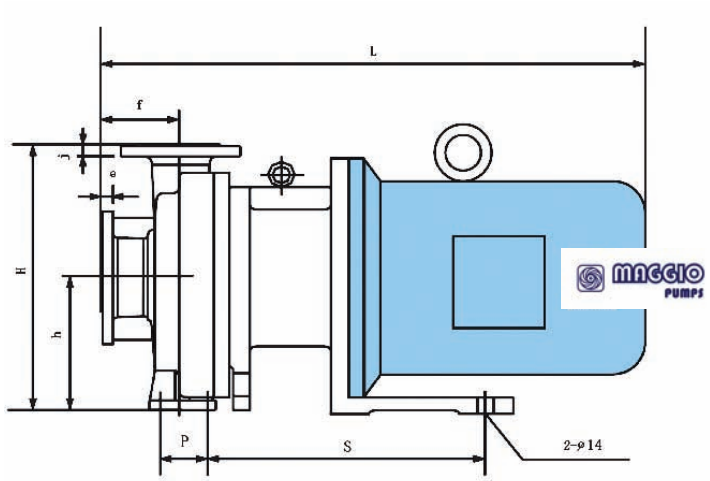
- MCP40-25-230F
- MCP50-32-195F
- MCP50-32-200F
- MCP65-40-200F
- MCP80-65-120F
- MCP80-65-140F
- MCP80-50-200F
- MCP100-80-160F
- MCP100-80-180F
- MCP125-100-160F
- MCP125-100-200F

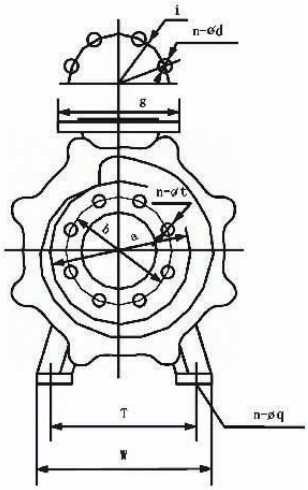


Model	L	S	P	B	f	W	T	H	h	a	b	e	r	g	i	j	n-ø t	n-ø d	n-ø q
MCP40-25-230F	745	530	36	710	90	340	310	425	240	ø150	ø110	20	25	ø115	ø 85	18	4-M16	4-M12	4-ø20
MCP50-32-195F	745	530	36	710	90	340	310	425	240	ø165	ø125	22	25	ø140	ø100	20	4-M16	4-M16	4-ø20
MCP50-32-200F	745	530	36	710	90	340	310	425	240	ø165	ø125	22	25	ø140	ø100	20	4-M16	4-M16	4-ø20
MCP65-40-200F	1000	740	5	950	100	490	440	510	310	ø185	ø145	22	40	ø150	ø110	22	4-ø18	4-M16	4-ø20
MCP80-65-120F	1000	740	5	950	100	490	440	510	310	ø200	ø160	22	40	ø185	ø145	22	4-ø18	4-M16	4-ø20
MCP80-65-140F	1000	740	5	950	100	490	440	510	310	ø200	ø160	22	40	ø185	ø145	22	4-ø18	4-M16	4-ø20
MCP80-50-200F	1000	740	5	950	100	490	440	525	310	ø200	ø160	22	40	ø165	ø125	22	8-ø18	4-M16	4-ø20
MCP100-80-160F	1170	740	30	1090	125	525	475	595	345	ø220	ø180	24	50	ø200	ø160	24	8-ø18	8-M16	4-ø25
MCP100-80-180F	1170	870	30	1090	125	525	475	595	345	ø220	ø180	24	50	ø200	ø160	24	8-ø18	8-M16	4-ø25
MCP125-100-160F	1170	870	30	1090	125	525	475	595	345	ø250	ø210	24	50	ø225	ø180	24	8-ø18	8-M16	4-ø25
MCP125-100-200F	1170	870	30	1090	125	525	475	595	345	ø250	ø210	24	50	ø225	ø180	24	8-ø18	8-M16	4-ø25

Dimensions

- MCP40-25-130F
- MCP40-25-140F
- MCP40-25-150F
- MCP40-25-160F
- MCP40-25-165F
- MCP40-25-170F
- MCP40-25-185F
- MCP40-25-230F
- MCP50-40-140F
- MCP50-40-150F
- MCP50-40-160F
- MCP50-40-165F
- MCP50-32-195F
- MCP50-32-200F
- MCP65-50-120F
- MCP65-50-130F
- MCP65-50-165F
- MCP65-40-200F
- MCP80-65-120F
- MCP80-65-140F
- MCP80-50-200F
- MCP100-80-160F
- MCP100-80-180F
- MCP125-100-160F
- MCP125-100-200F





Model	L	S	P	f	W	T	H	h	a	b	e	g	i	j	n-øt	n-ød	n-øq
MCP40-25-130FA	610	250	70	80	210	160	310	150	ø150	ø110	20	ø115	ø85	18	4-M16	4-M12	4-ø15
MCP40-25-140FA	610	250	70	80	210	160	310	150	ø150	ø110	20	ø115	ø85	18	4-M16	4-M12	4-ø15
MCP40-25-150FA	610	250	70	80	210	160	310	150	ø150	ø110	20	ø115	ø85	18	4-M16	4-M12	4-ø15
MCP40-25-160FA	610	250	70	80	210	160	310	150	ø150	ø110	20	ø115	ø85	18	4-M16	4-M12	4-ø15
MCP40-25-165FA	610	250	70	80	210	160	310	150	ø150	ø110	20	ø115	ø85	18	4-M16	4-M12	4-ø15
MCP40-25-170FA	610	250	70	80	210	160	310	150	ø150	ø110	20	ø115	ø85	18	4-M16	4-M12	4-ø15
MCP40-25-185F	610	250	70	80	210	160	310	150	ø150	ø110	20	ø115	ø85	18	4-M16	4-M12	4-ø15
MCP40-25-230F	730	336	70	100	275	212	370	180	ø150	ø110	20	ø115	ø85	18	4-M16	4-M12	4-ø15
MCP50-40-140F	730	330	70	80	265	212	360	180	ø165	ø125	20	ø150	ø110	20	4-M16	4-M16	4-ø15
MCP50-40-150F	730	330	70	80	265	212	360	180	ø165	ø125	20	ø150	ø110	20	4-M16	4-M16	4-ø15
MCP50-40-160F	730	330	70	80	265	212	360	180	ø165	ø125	20	ø150	ø110	20	4-M16	4-M16	4-ø15
MCP50-40-165F	730	330	70	80	265	212	360	180	ø165	ø125	20	ø150	ø110	20	4-M16	4-M16	4-ø15
MCP50-32-195F	730	330	70	90	265	212	365	180	ø165	ø125	22	ø140	ø100	20	4-M16	4-M16	4-ø15
MCP50-32-200F	730	330	70	90	265	212	365	180	ø165	ø125	22	ø140	ø100	20	4-M16	4-M16	4-ø15
MCP65-50-120F	725	318	95	80	265	212	360	180	ø185	ø145	20	ø165	ø125	20	4-M16	4-ø18	4-ø15
MCP65-50-130F	725	318	95	80	265	212	360	180	ø185	ø145	24	ø165	ø125	20	4-M16	4-ø18	4-ø15
MCP65-50-165F	730	318	95	80	265	212	365	180	ø185	ø145	22	ø165	ø125	24	4-M16	4-M16	4-ø15
MCP65-40-200F	928	410	70	100	290	220	430	230	ø185	ø145	22	ø150	ø110	22	4-ø18	4-M16	4-ø15
MCP80-65-120F	935	416	70	100	290	220	430	230	ø200	ø160	22	ø185	ø145	22	4-ø18	4-M16	4-ø15
MCP80-65-140F	935	416	70	100	290	220	430	230	ø200	ø160	22	ø185	ø145	22	4-ø18	4-M16	4-ø15
MCP80-50-200F	970	398	70	100	320	240	445	230	ø200	ø160	24	ø165	ø125	22	8-ø18	4-M16	4-ø15
MCP100-80-160F	1110	485	95	125	345	280	500	250	ø220	ø180	24	ø200	ø160	24	8-ø18	8-M16	4-ø15
MCP100-80-180F	1110	485	95	125	345	280	500	250	ø220	ø180	24	ø200	ø160	24	8-ø18	8-M16	4-ø15
MCP125-100-160F	1110	490	95	125	345	280	500	250	ø250	ø210	24	ø225	ø180	24	8-ø18	8-M16	4-ø15
MCP125-100-200F	1110	490	95	125	345	280	500	250	ø250	ø210	24	ø225	ø180	24	8-ø18	8-M16	4-ø15

Note : All specifications subject to change without prior notice.