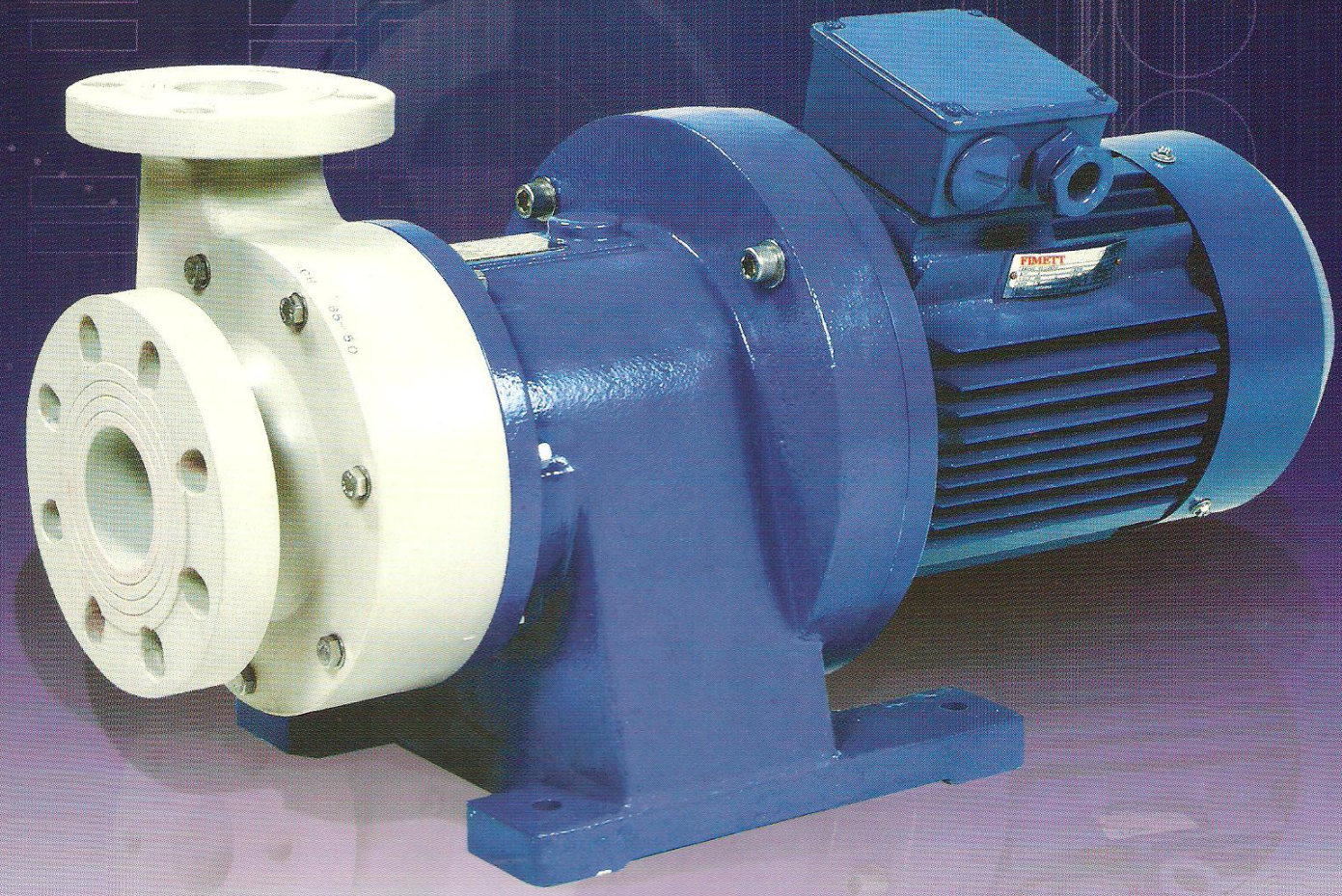
FIMETT

Magnetically Driven Sealless Pump











PMCH range

FIMETT

Magnetically Driven Sealless Pump

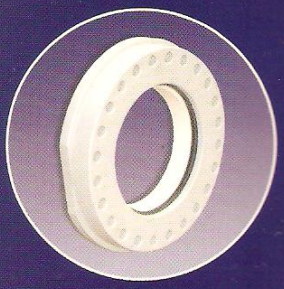


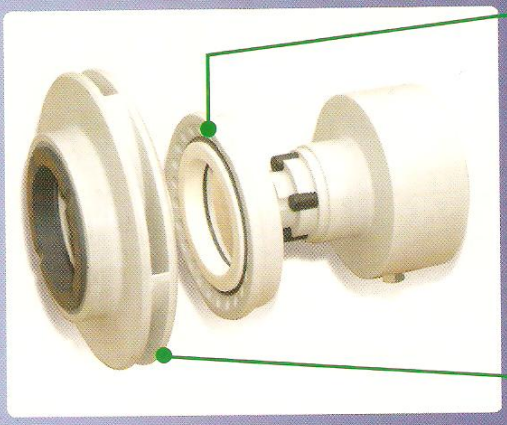
Motor

- *Direct starting motor*
- *IEC Standard*

Mounting Bracket

- *Strong mounting Bracket for stable performance.*





Impeller Rear-Support

- *Extra impeller rear-support for stable performance; reduce effects of cavitation; improve heat transfer*
- *Wet end cartridge.- modular designs, allows low cost replacements impeller, thrust bearing, shaft, Impeller read-support shaft bearing.....*



Impeller

- *Oversized axial thrust washer*
- *Modular impeller allows for modifying performances*



Rear Casing and shaft

- *Strong casing tested with 20bar performance.*
- *Oversized shaft for stable performance, available in silicone Carbide & 99.7% pure alumina ceramic.*
- *Non-metallic reinforced polymer eliminates heat & efficiently losses.*
- *Single (fully confined) O-ring for better sealing reliability.*



Casing

- *Machined from solid block PP or PVDF with raised face flanges for superior performance & ensure zero leakage*
- *Heavy walled, machined construction provides far greater resistance to permeation and migration of corrosive.*
- *Strong & thermal stability resists deformation & maximum chemical resistance.*
- *Perfect design to mimise effect of cavitation*

PM range

FIMETT

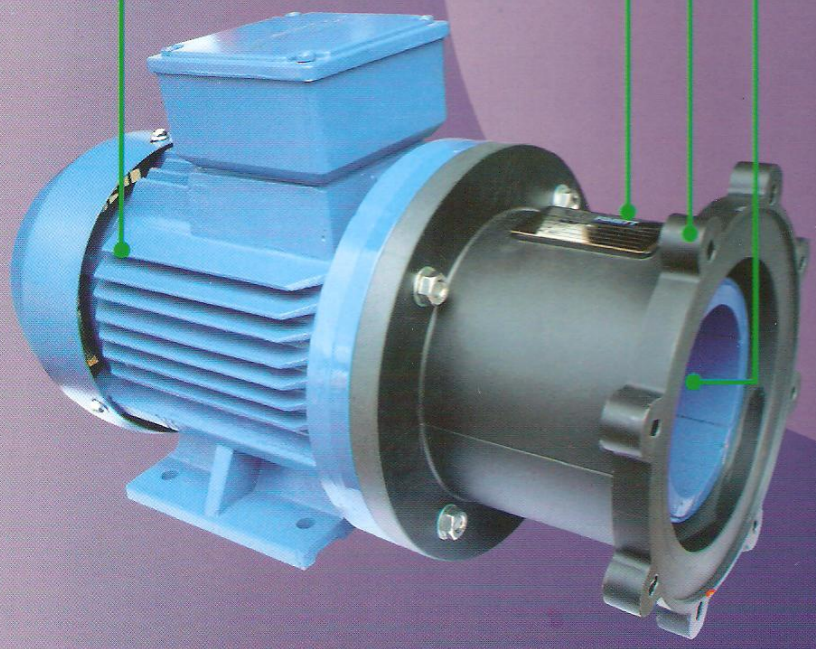
Magnetically Driven Sealless Pump

Electric driven motor & sus bolt & nuts is the only metal in the whole of pump

Non-mettalic Pump Bracket advoiding Chemical corrosion

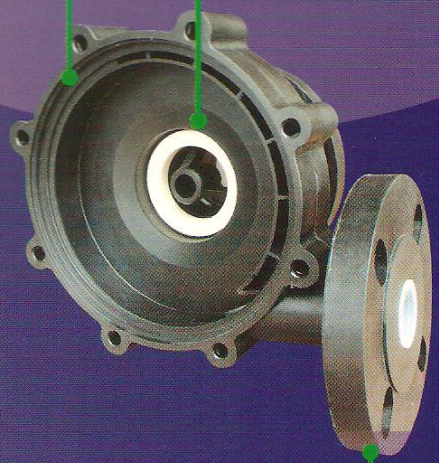
Perfomance Guaranteed with manufacture clearance accoding to ISO 3555 / UNI 6871 - 71P categoria II specification

High torque & light weight magnets



Low NPSH required

Tough Casing



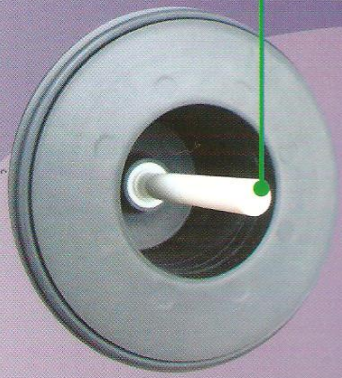
High purities Alumuna Ceramic (99.5%)

High Temperature Handling

PP : 60°C Continues duty
82°C Intermitent duty

PVDF : 90°C Continues duty
100°C Intermitent duty

Flanged Connections available in ANSI / DIN / JIS standard





High Performance Short Bush in PTFEC, better Lubrication

FIMETT Pump

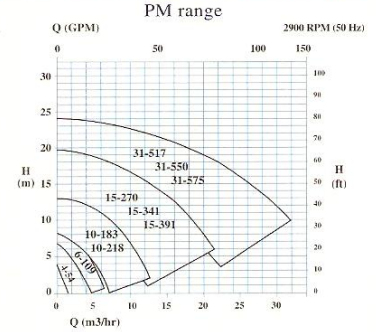
FIMETT

Magnetically Driven Sealless Pump

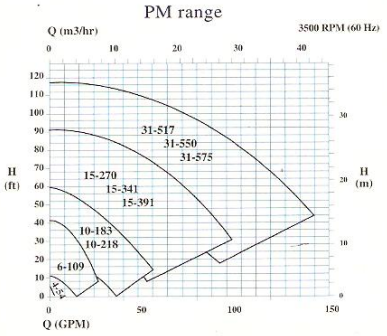
Tables & Drawings

	Range	Connection Size (Jis10k / Din) Inlet	Outlet	Flowrate (lpm) Max. (50Hz)	Head (meter) Max. (50Hz)	NPSHr (meter) Min.	Motor kw
PM	4-54	1"	½"	54	7.50	0.40	0.12
	6-109	1"	¾"	109	6.75	0.40	0.25
	10-183	1 ½"	1"	183	10.00	1.00	0.55
	10-218	1 ½"	1"	218	13.75	1.00	0.75
	15-270	1 ½"	1 ¼"	270	10.25	1.00	1.10
	15-341	1 ½"	1 ¼"	341	15.00	1.00	1.10
	15-391	1 ½"	1 ¼"	391	20.00	1.00	1.50
	31-517	2"	1 ½"	517	14.50	1.50	1.50
	31-550	2"	1 ½"	550	20.00	1.50	2.20
	31-575	2"	1 ½"	575	24.00	1.50	3.70
PMCH	065-50	3"	2"	600	21.00	2.25	2.20
		3"	2"	783	34.00	2.25	3.70
	080-65	4"	3"	966	18.00	1.50	3.70
		4"	3"	1500	36.50	1.50	7.50
	100-80	4"	3"	1833	28.00	1.50	7.50
		4"	3"	2200	48.00	1.50	15.0
Max (C°) Temperature	PM	PP : 65°C Continues duty 82°C Intermitent duty PVDF: 90°C Continues duty 100°C Intermitent duty					
	PMCH	PP : 65°C Continues duty 80°C Intermitent duty PVDF: 110°C Continues duty 120°C Intermitent duty					

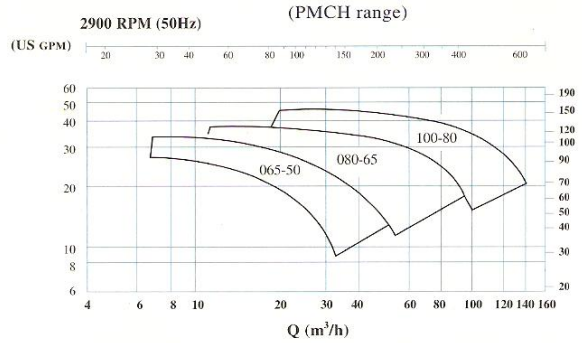
PM range



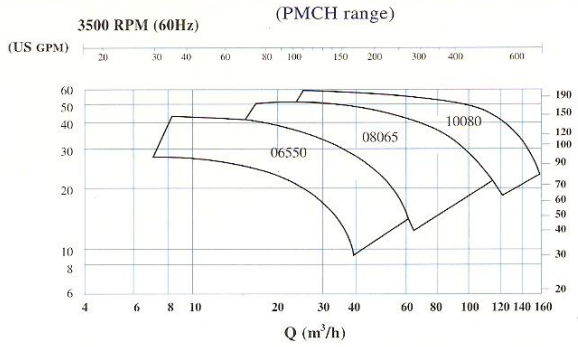
PM range



(PMCH range)



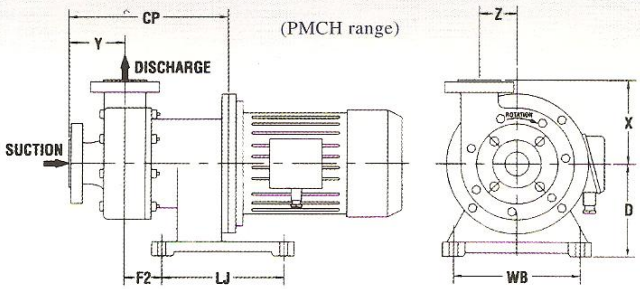
(PMCH range)



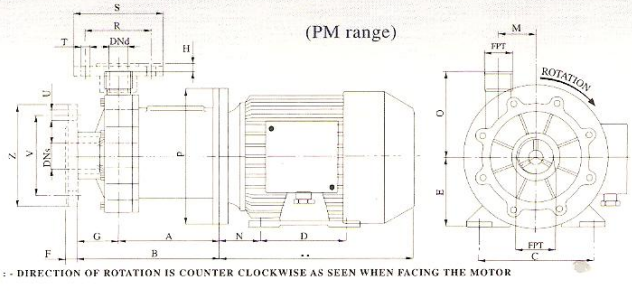
Model	A	B	C	D	E	F	G	H	DHs	DNd	M	N	O	P	R	S	T	U	V	Z
	Dimensions (mm)																			
4-54	76	115	90	71	56	18	39	14	25	15	34	35	80	120	65	95	14	14	85	115
6-109	84	143	100	80	63	18	59	8	25	20	46	40	91	140	75	105	14	14	85	115
10-183	110	180	112	90	71	20	70	7	40	25	45	45	100	160	85	115	14	18	110	150
10-218	120	190	125	100	80	20	70	7	40	25	45	50	100	200	85	115	14	18	110	150
15-270/341	150	232	125	100	80	20	82	6	40	32	63	50	125	200	100	140	18	18	110	150
15-391	160	242	140	100	90	20	82	6	40	32	63	56	125	200	100	140	18	18	110	150
31-517/550	187	278	140	125	90	22	91	6	50	40	66	56	140	200	110	150	18	18	125	165
31/575	197	288	160	140	100	22	91	6	50	40	66	63	140	250	110	150	18	18	125	165

MODEL		IMP.	SUCTION FLANGE	DISCHARGE FLANGE	D	X	Y	Z	CP	F2	LJ	WB
PMCH 065-50	(mm)	152	80mm PN16 ISO / Jls	50mm PN16 ISO / JIS	175	171	103	73	321	59	250	220
PMCH 080-65	(mm)	165	100mm PN16 ISO / Jls	80mm PN16 ISO / JIS	200	198	121	82	368	73	290	250
PMCH 100-80	(mm)	178	100mm PN16 ISO / Jls	80mm PN16 ISO / JIS	200	277	129	102	379	76	290	250

(PMCH range)



(PM range)



NOTE : - DIRECTION OF ROTATION IS COUNTER CLOCKWISE AS SEEN WHEN FACING THE MOTOR