# SERIES'MP'&'MK' MAGNETIC-COUPLED PUMPS

## RELIABLE, TROUBLE-FREE PUMPING Seal-less and "Leak-proof" for Total Solution Containment

CORROSIONRESISTANT

Polypropylene - SERIES'MP'
PVDF-SERIES'MK'
Referto Chemical Resistance Chart

- CENTRIFUGAL-Quiet, vibration-free
- FLOWS to 1250 LPM or to 35 MTDH at 50 Hz
- MAXIMUMLIQUIDTEMPERATURE

Polypropylene: 60°C continuous

80°C intermittent

PVDF: 90°C continuous intermittent

RUGGED CONSTRUCTION

Designed for continuous duty. Fabricated intough, chemical-resistant polymers. The internal magnetis encased in the same material.

MOTOR

Standard motors are TEFV, hose-protected to IP55 specification, 380-415 volt, 3 phase, 50 Hz. Flame proof (Ex-D) and other types, including single phase, are available on request.



**SERIES'MP' &'MK' Magnetic Coupled Pumps** are seal-less, providing formaintenance-free and "leak-proof" operation. The magnetic coupling acts as a clutch to provide overload protection. The broad range of construction materials allows for a variety of applications and service with most corrosive solutions.

The impeller magnet assembly floats in the radial magnetic field set up by the motor driven external drive

magnet. The impeller is designed to deliver the maximum flow and pressure utilizing the available strength of the synchronized magnets.

Pumps are available with choice of 3 impellers:

Series 1 - For liquids up to 1.2 S.G. & viscosity 20 cp.

Series 2 - For liquids up to 1.5 S.G. & viscosity 25 cp.

Series 3 - For liquids up to 1.8 S.G. & viscosity 45 cp.

TYPICAL	APPLICATIONS: Filteri	ng, Circulation, Processir	ng and Transfer

RECOMMENDED FOR WASTE TREATMENT, FUME SCRUBBING, CHEMICAL MACHINERY, PHOTOGRAPHIC SOLUTIONS. ACIDS. & PLATING

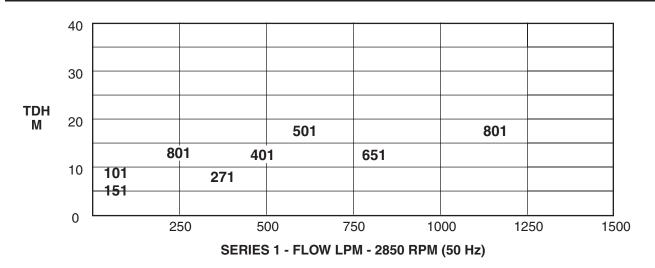
#### STANDARD MATERIALS OF CONSTRUCTION:

Pump body, impeller	PP and PVDF
Shafts	Ceramic (99.8% alumina)
Bearings	PTFE/graphite(uptoMP151)
	Rulon® (MP271 and above)
Thrustbearing	PTFE/graphite (up to MP 151)
	Rulon® (MP271 and above)
"O"-ring seal	Viton®
Magnets	Ferrite

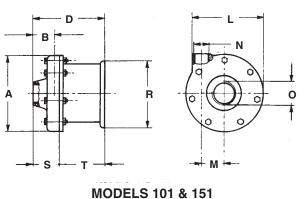
Standard Series 1 pump impeller is designed to pump solutions with densities up to 1.2 S.G. For solutions with higher densities up to 1.8 S.G. maximum, Series 2 & 3 pumps have impellers with reduced diameters. Flow rates will thus be proportionately reduced.

Pumpslistedare Series 1. Toorder Series 2 & 3 pumps, change last digit in Model Number and suffix in Price Code No.

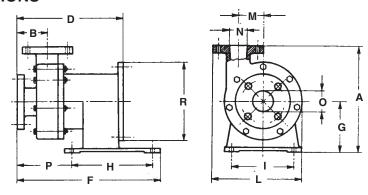
For example: Change Model MP151 to MP152 or MP153. Change Price Code No. from -1 to -2 or -3.



### **DIMENSIONS**







MODELS 271, 401, 501, 651 & 801

MODE		PRICE	DIMENSIONS mm (or as indicated)														
PUMP	MOTOR KW	CODE NUMBER	Α	В	D	F	G	Н	ı	М	N	0	R	S	Т		
MP101 MK101	DM .55	44-6655-1 56-1	160	62	207					151	40	F <sub>"</sub> BSP	1¼" BSP		160	85	122
MP151 MK151	DM 1.1	44-6658-1 59-1	180	70	220					173	50	1¼" BSP	1½" BSP		200	94	126
MP271 MK271	DM 2.2	44-6661-1 62-1	278	84	267	360	136	190	155	229	62	40	50	147	200		
MP401 MK401	DM 3.0	44-6664-1 66-1	346	103	321	433	175	250	220	292	65	F0	65	162	250		
MP501 MK501	DM 4.0	44-6668-1 70-1	346	103	321	433	1/5	250	220	292	00	50	65	102	230		
MP651 MK651	DM 5.5	44-6672-1 74-1	398	121	368	515	200	290	250	334	78	65	80	195	300		
MP801 MK801	DM 7.5	44-6698-1 6700-1	390	121	300	313	200	230	200	554	/ 0	05	60	195	300		

#### Geoff:

Please note that I have put the frame for the photograph on the left to match the layout of our other bulletins. I have also added the words "choice of" for the impeller selection. Your bulletin does not have reference to ordering pumps without motors. I assume this will be taken care of on the parts list and we will use the assigned Price Code Numbers on that sheet.

We can paste up the parts sheet to spread it out for you in order to take up more length on your A4 paper. However, you can probably do that yourself, unless you need to have it typeset, in which case we can do it then.

The following is the list of Price Code Nos. we have assigned for the Caster Pumps thus far. Of course, the -1, -2 or -3 are part of each of these numbers. Note the change in the number I recently sent you for the MK801. See new numbers for MP & MK801 models without motors, as you requested. I hope these matches your records. Please notify us as soon as possible if they do not.

I think we are making good progress on this and the drum pump bulletin. I dislike having jobs sit around forever, and never getting completed.

Thanks again for your prompt responses, Jan Bernstein

PUMP MODEL	PRICE CODE NO.						
POWP WIODEL	WITH MOTOR						
MP101	WITHQUT MOTOR	44-6640					
MK101	6656	6657					
MP151	6658	6638					
MK151	6659	6660					
MP271	6661	6639					
MK271	6662	6663					
MP401	6664	6665					
MK401	6666	6667					
MP501	6668	6669					
MK501	6670	6671					
MP651	6672	6673					
MK651	6674	6675					
MP801	6698	6699					
MK801	6700	6701					