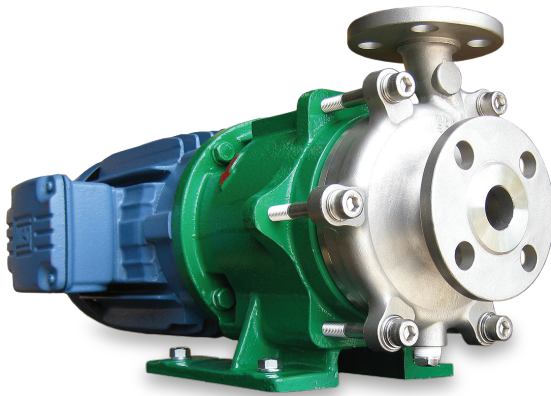


## MAGNATEX<sup>®</sup> MP Series

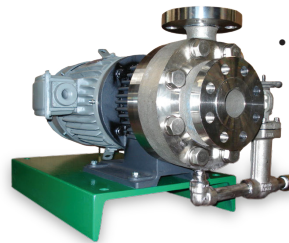
Close-coupled, compact, MP Series pumps are the efficient and dependable choice for medium-flow, medium-head applications. The MP Series pump features sub-ANSI sizes for efficient lower flow applications. Affordable, high-performance Magnatex<sup>®</sup> pumps give you higher efficiency with lower horsepower and a lower total cost of ownership.



### MAGNATEX<sup>®</sup> MP Series Specifications

Maximum Flow	150 GPM
Maximum Head	190 FT
Liquid Temperature	-112° F to +660° F
Maximum Power	10 HP
Maximum Working Pressure	150 psig
Connections	150# RF Flanges
Bearings	SiC/SiC-X Standard
Impeller	Enclosed
Speeds	Up to 3550 rpm
Magnets	Neodymium or Samarium Cobalt
Motor	NEMA or IEC Frame Mounted

- Standard SiC-X bearing system for enhanced dry running capability
- Straddle-mounted, double bearing design reduces shaft load and bearing wear when compared to our competitors' typical cantilevered, overhung designs
- Slip-fit construction allows easy maintenance and on-site repairs with no special tools required
- Large internal flow path handles solids: 1% at 500µ; 8% at 100µ.
- Close-coupled configuration eliminates coupling and motor alignment issues
- No expensive mechanical seals; eliminates costly shutdowns and pump repair, which helps eliminate "Reportable Release" issues
- Handles toxic, noxious and corrosive liquids for leak-free pumping with increased safety to plant personnel and the environment
- Optional high-temperature construction to handle up to 660°F
- Optional baffled rear casing design for enhanced solids handling

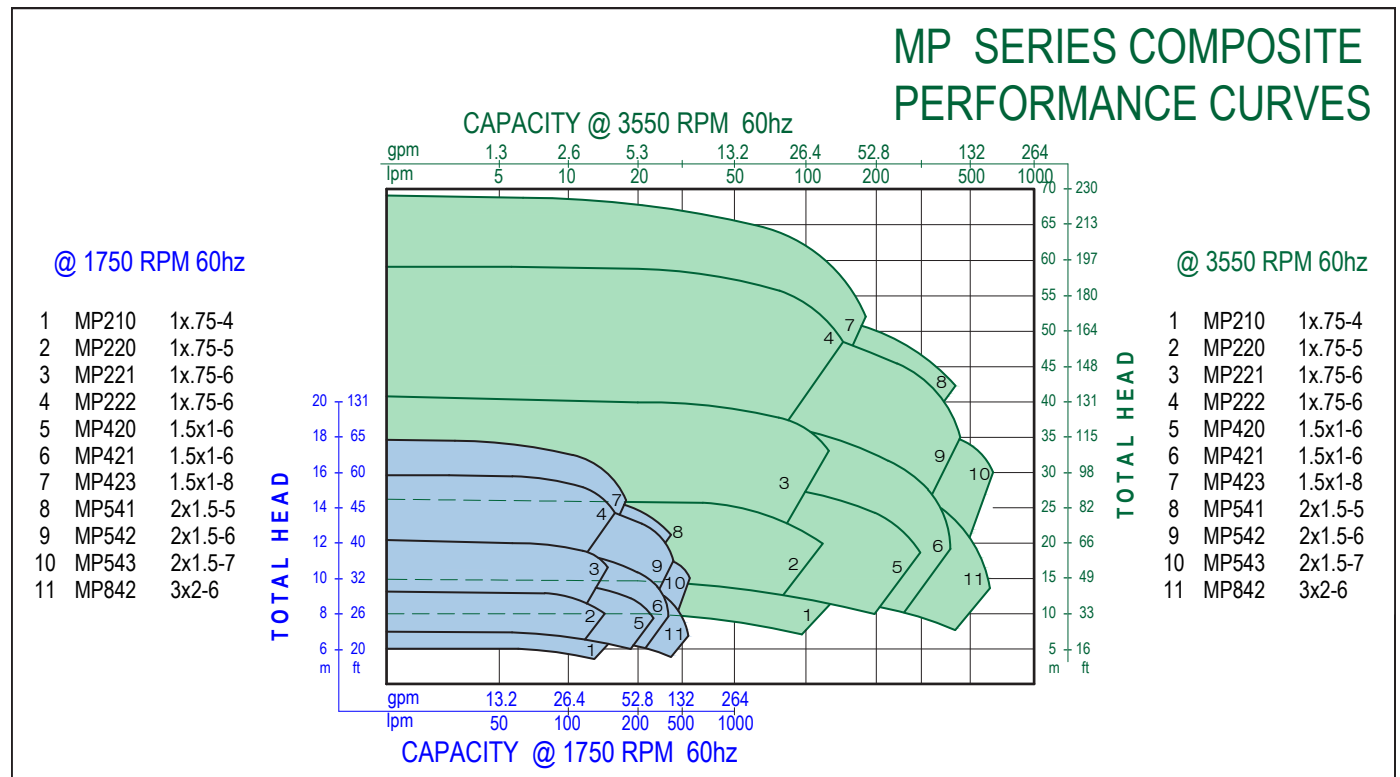


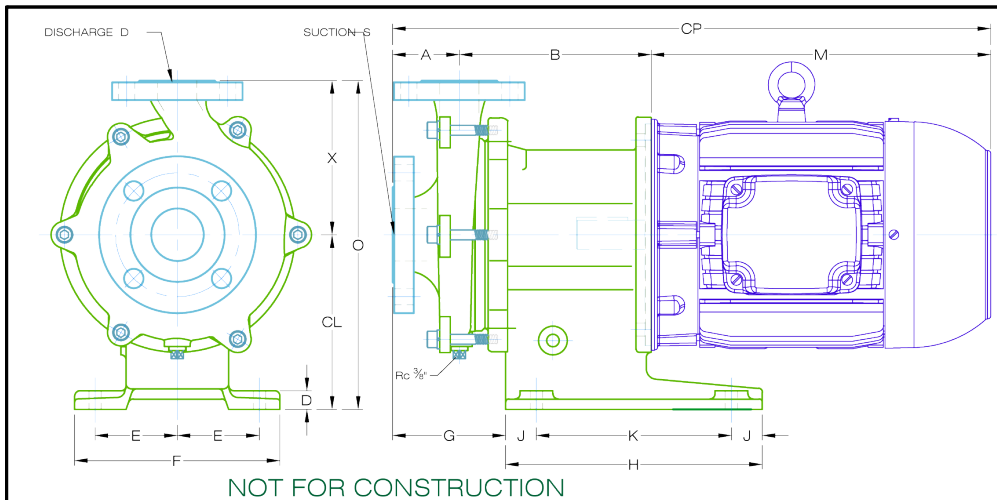
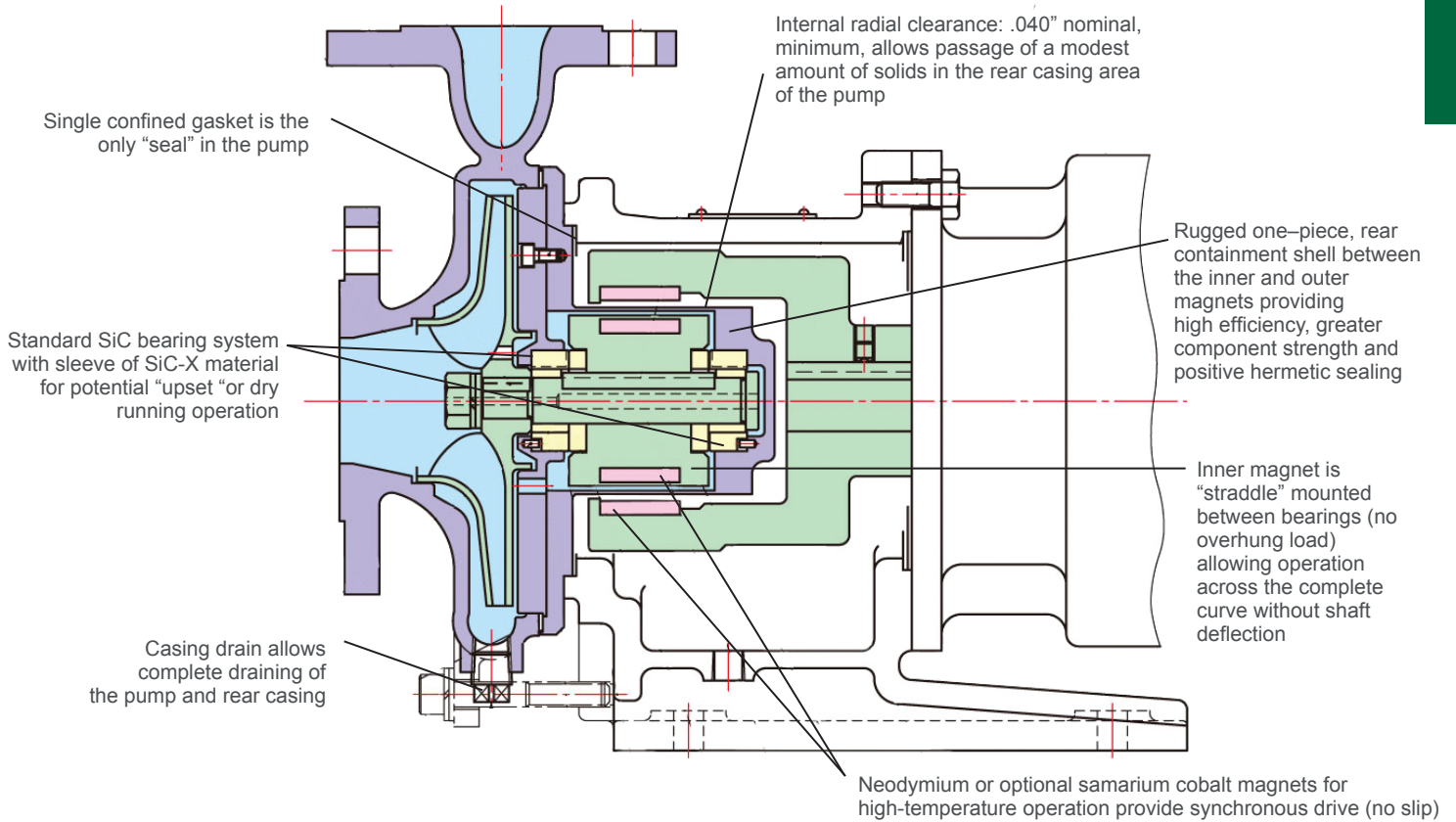
- **Optional, high-pressure models for suction conditions to 5000 psi and more**

#### Materials of Construction:

- 316SS
- Alloy 20
- Alloy B&C

## MP SERIES COMPOSITE PERFORMANCE CURVES





CONDUIT BOX SHOWN FOR ILLUSTRATION ONLY  
REQUIRED LOCATION MUST BE SPECIFIED



**DIMENSIONAL DRAWING**  
MP SERIES CLOSE-COUPLED PUMP

DRAWN BY: B VALENTIN DATE: 07/02/10 SCALE: NTS PAGE: 1 OF 1

**DD-MP SERIES**

ALL DIMENSIONS IN INCHES ± 0.12"

MODEL	DIMENSIONS														PUMP LBS	MOTOR FRAME	M	CP	MTR LBS	MOTOR FRAME	M	CP	MTR LBS		
	S	D	A	B	D	E	F	G	H	J	K	X	CL	O											
MP220	1.00	0.75	2.36	6.85	0.47	2.56	5.12	4.33	7.09	1.18	4.72	4.72	4.33	9.06	56C	10.29	19.50	31	145TC	11.21	20.42	56			
					143TC										10.23	19.44	54	184TC	12.96	22.17	108				
					182TC										12.02	21.23	99	184TC	12.96	22.17	108				
MP221	1.00	0.75	2.56	6.65	0.47	3.15	7.87	4.33	9.84	1.18	7.48	5.12	6.69	11.81	60	143TC	10.23	19.44	54	145TC	11.21	20.42	56		
				7.36	0.71										68	182TC	12.02	21.94	99	184TC	12.96	22.88	108		
				6.65	0.71										60	143TC	10.23	19.44	54	145TC	11.21	20.42	56		
MP222	1.00	0.75	2.56	6.65	0.71	3.15	7.87	4.33	9.84	1.18	7.48	5.51	6.69	12.20	68	182TC	12.02	21.94	99	184TC	12.96	22.88	108		
				7.36	0.71										60	143TC	10.23	19.44	54	145TC	11.21	20.42	56		
				6.65	0.71										62	143TC	10.23	20.03	54	145TC	11.21	21.01	56		
MP420 / 421	1.50	1.00	2.95	6.85	0.71	3.15	7.87	4.92	9.84	1.18	7.48	5.31	6.69	12.01	70	182TC	12.02	22.53	99	184TC	12.96	23.47	108		
				7.56	0.71										62	143TC	10.23	20.03	54	145TC	11.21	21.01	56		
				6.85	0.71										139	213TC	14.59	28.02	139	215TC	16.09	29.52	173		
MP423	1.50	1.00	4.02	9.41	0.71	4.92	11.42	4.92	13.78	0.98	11.81	6.50	7.09	13.58	143TC	10.23	20.23	54	145TC	11.21	21.21	56			
															7.56	0.71	73	182TC	12.02	22.73	99	184TC	12.96	23.67	108
															6.85	0.71	79	182TC	12.02	21.94	99	184TC	12.96	22.88	108
MP541	2.00	1.50	3.15	6.85	0.71	3.15	7.87	5.12	9.84	1.18	7.48	5.51	6.69	12.20	143TC	10.23	20.23	54	145TC	11.21	21.21	56			
				7.56	0.71										143	213TC	14.59	28.02	139	215TC	16.09	29.52	173		
				6.85	0.71										147	213TC	14.59	28.20	139	215TC	16.09	29.70	173		
MP542	2.00	1.50	2.56	7.36	0.71	3.15	7.87	4.33	9.84	1.18	7.48	5.91	6.69	12.60	143TC	10.23	20.23	54	145TC	11.21	21.21	56			
				7.56	0.71										143	213TC	14.59	28.02	139	215TC	16.09	29.52	173		
				6.85	0.71										147	213TC	14.59	28.20	139	215TC	16.09	29.70	173		
MP543	2.00	1.50	4.02	9.41	0.71	4.92	11.42	4.92	13.78	0.98	11.81	6.50	7.09	13.58	143TC	10.23	20.23	54	145TC	11.21	21.21	56			
															7.56	0.71	143	213TC	14.59	28.02	139	215TC	16.09	29.52	173
															6.85	0.71	147	213TC	14.59	28.20	139	215TC	16.09	29.70	173
MP842	3.00	1.50	4.20	9.41	0.71	4.92	11.42	0.98	13.78	0.98	11.81	6.50	7.09	13.58	143TC	10.23	20.23	54	145TC	11.21	21.21	56			
															7.56	0.71	143	213TC	14.59	28.02	139	215TC	16.09	29.52	173
															6.85	0.71	147	213TC	14.59	28.20	139	215TC	16.09	29.70	173

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