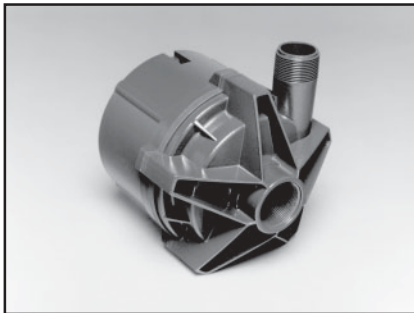


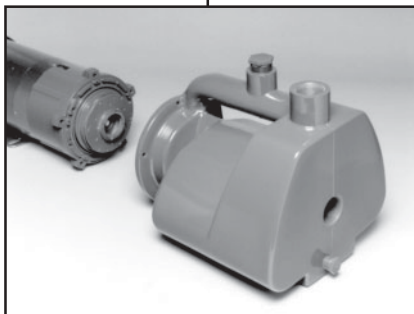
KC Series

SELF - P R I M E O P T I O N

MagPrime Chamber



**MODULAR
TECHNOLOGY**

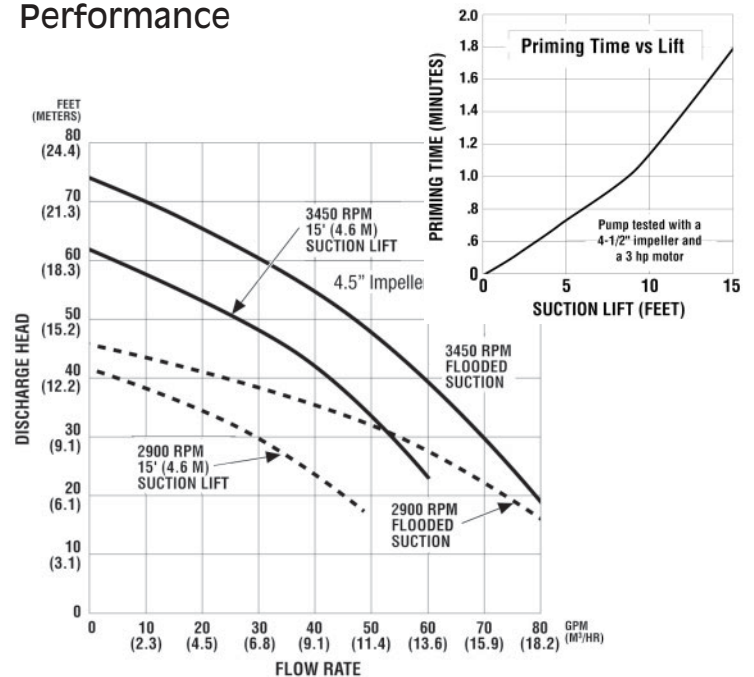


The MagPrime is a one-piece, molded high density polyethylene module which offers flexibility and self-prime operation to the KC 11 sealless magnetic drive pumps.

Features

- Quick connect to KC 1145
- 15 ft. (4.5 m) lift in 2 minutes
- Locates above the liquid source
- Up to 1.4 specific gravity
- Temperature to 120°F (49°C)
- Excellent corrosion resistance
- Reduced maintenance

Performance



Operation

- The MagPrime is connected to a KC 1145.
- A small amount of liquid is poured through the fill port to initially prime the chamber.
- The pump is started. Recirculating liquid creates a vacuum in the suction line, drawing air from the suction line and releasing it through the discharge outlet.
- When the liquid in the suction line reaches the pump inlet, the pump is "primed," and normal operation begins.

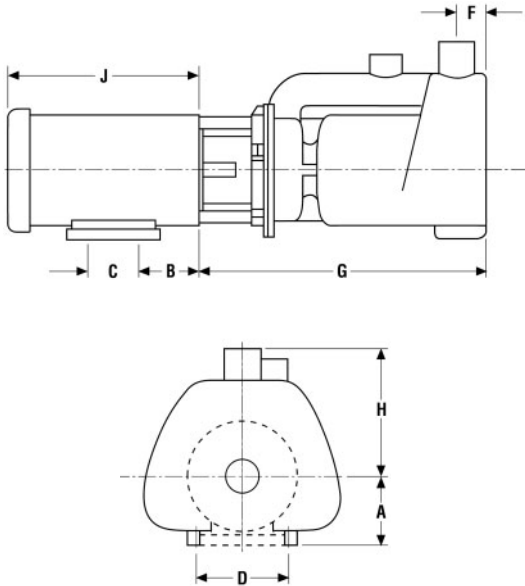
Specifications

MODEL (CONSTRUCTION)	SUCTION DISCHARGE	IMPELLER SIZE		MAX. FLOW		MAX. HEAD		MOTOR DRIVE	
		inch	cm	3450 rpm gpm	2900 rpm m ³ /hr	3450 rpm ft	2900 rpm m	HP	kW
KC1145 (P, V)	1 1/2" FNPT	4-1/2	11.4	68	12.5	61	13	1 - 1.5	.55 - .75
	1 1/4" FNPT	4	10.2	48	9	50	10.5	1 - 1.5	.55 - .75
		3-1/2	8.9	44	8.5	42	9	.75 - 1	.37 - .55
		3	7.6	37	7	29	6	.75 - 1	.37 - .55

P - Polypropylene glass filled, carbon/PTFE, high purity ceramic and viton.

V - PVDF carbon filled, carbon/PTFE, high purity ceramic and viton.

Dimensions



With NEMA TEFC Motors (Inches)

MODEL	MOTOR FRAME	A	B	C	D	F	G	H	J*
KC11	56C	4-1/8	2-3/4	3	4-7/8	1-3/4	17	7-5/8	12-1/8
	145TC		5-1/2	5	5-1/2				13-1/4

With IEC Motors (Millimeters)

MODEL	MOTOR FRAME	A	B	C	D	F	G	H	J*
KC11	80	105	50	100	125	44	432	194	230
	90		56	125	140				250

*Differ by manufacturer

Chemical Compatibility

Listed below are a few typical chemical applications for the MagPrime.

Legend:

E - 30 days of constant exposure. No damage detected.

G - Little or no damage after 30 days exposure.

F - Some effect after 7 days of constant exposure.

N - Not recommended for continuous use.

Note: First letter is at 68°F (20°C). The second letter is at 122°F (50°C), e.g. EG.

Note: While this information provides a reasonable representation of the effects of chemicals of listed materials, we do not guarantee favorable results and assume no liability in connection with its use.

Chemical	68°F (20°C)	122°F (50°C)	Chemical	68°F (20°C)	122°F (50°C)	Chemical	68°F (20°C)	122°F (50°C)
Acetic Acid, 5%	E	E	Chlorine, 10% moist	E	E	Hydrofluoric Acid, 45%	E	E
Ammonium Hydroxide, 5%	E	E	Chromic Acid, 50%	E	E	Nitric Acid, 50%	G	N
Chlorine, 10% in air	E	F	Formaldehyde, 10%	E	E	Sodium Hydroxide, 50%	E	E
Acetic Acid, 50%	E	E	Glacial Acetic Acid	E	E	Sulfuric Acid, 98%	G	G
Ammonium Hydroxide, 30%	E	E	Hydrochloric Acid, 35%	E	E			



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