

Wet-Rotor, In-Line, Single Stage, Maintenance Free,
Circulator Pumps

Submittal Data

60 Cycle

	JOB or CUSTOMER:	
	ENGINEER:	
	CONTRACTOR:	
	SUBMITTED BY:	DATE:
	APPROVED BY:	DATE:
	ORDER NO:	DATE:
SPECIFICATION REF:		

QUANTITY	TAG NO.	MODEL NO.	GPM	FEET	VOLT	PHASE	COMMENTS

Technical Data

FLOW RANGE: 0 to 34 U.S. GPM

HEAD RANGE: 0 to 23 Feet

MOTORS: 2 Pole, Single Phase

MAXIMUM FLUID TEMPERATURE:

UP15-42	200°F (95°C)
UP43-64	195°F (90°C)

Max Ambient Air Temp.	A	B	C
UP15-42 Terminal Box Location	115°F (46°C)	115°F (46°C)	105°F (40°C)
UP43-64 Terminal Box Location	105°F (40°C)	105°F (46°C)	92°F (33°C)

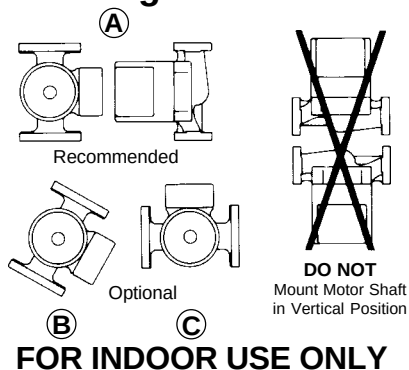
MAXIMUM WORKING PRESSURE: 145 PSI

MINIMUM REQUIRED INLET PRESSURE: 5 PSI

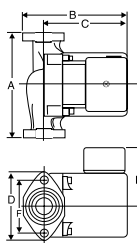
APPROVALS:



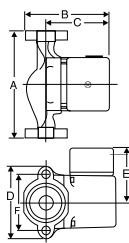
Mounting Positions



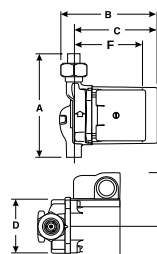
Dimensions, and Weights



UP43-64FC/MR
UP43-64BFC/MR



UP15-42FC/MR



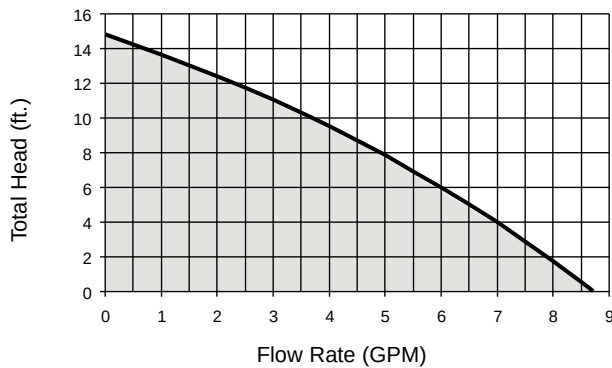
UP15-42BUC5/MR
UP15-42BUC7/MR

CLOSED SYSTEM MODELS	A	B	C	D	E	F ^①	Connection Type and Size	Shipping Wt. (Lbs.)
UP15-42FC/MR	6 1/2	5 1/4	4	4 3/16	3 1/4	3 5/32	Flange – (2)	7 1/2
UP43-64FC/MR	8 1/2	6 11/16	5 3/16	4 3/4	3 1/2	3 7/16	Flange – (2) 1/2" Dia. Bolt Holes	14
OPEN SYSTEM MODELS	A	B	C	D	E	F	Connection Type and Size	Shipping Wt. (Lbs.)
UP15-42BUC5/MR	6 1/2	5 1/4	4	3 3/16	3 1/4	—	Sweat – 1/2"	6 1/2
UP15-42BUC7/MR	7 3/4	5 1/4	4	3 3/4	3 1/4	—	Sweat – 3/4"	6 3/4
UP43-64BFC/MR	8 1/2	6 11/16	5 3/16	4 3/4	3 1/2	3 7/16	Flange – (2) 1/2" Dia. Bolt Holes	14

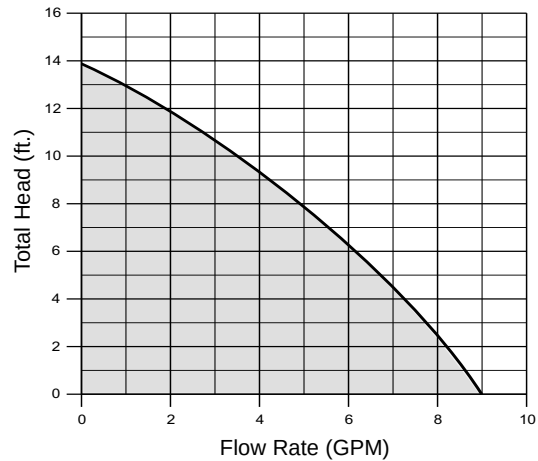
NOTES: All dimensions are in inches. ^①"F" dimension is the flange bolt centerline to centerline.

Performance

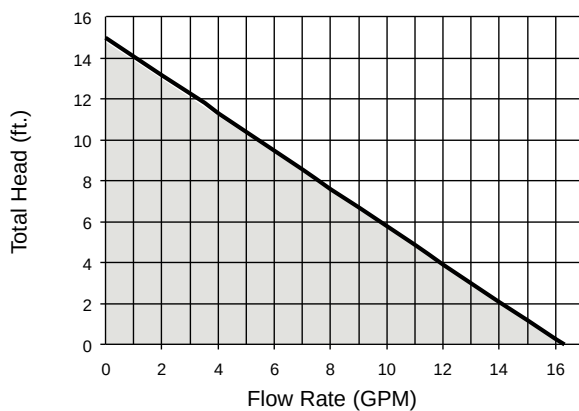
UP15-42BUC5/MR



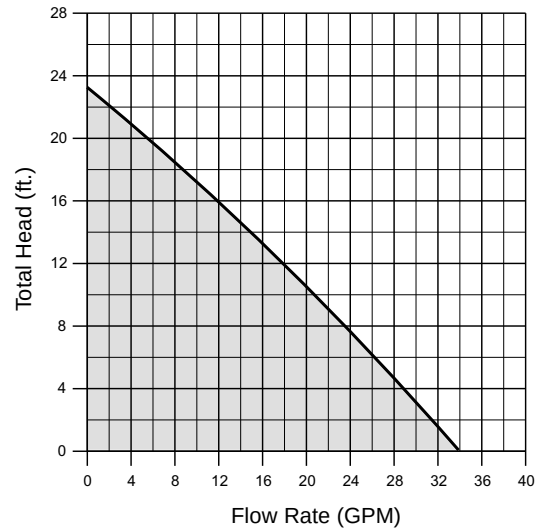
UP15-42FC/MR



UP15-42BUC7/MR



UP43-64FC/MR & UP43-64BFC/MR



Design Flow Rate	*Nominal Pipe Diameter	MixiMizer Pump Model
0-5	1/2"	UP15-42 BUC5/MR UP15-42FC/MR
0-10	3/4"	UP15-42BUC7/MR UP15-42FC/MR
0-16	1"	UP15-42FC/MR UP43-64BFC/MR
0-30	1 1/4, 1 1/2, or 2"	UP43-64FC/MR UP43-64BFC/MR

*Note: For injection loop piping

Electrical Data

MODEL	VOLTS	AMPS	WATTS	HP	CAPACITOR	MODEL	VOLTS	AMPS	WATTS	HP	CAPACITOR
UP15-42FC/MR	115	.74	85	1/25	10µF/180V	UP43-64FC/MR	115	1.70	180	1/12	8µF/180V
UP15-42BUC5/MR	115	.74	85	1/25	10µF/180V	UP43-64BFC/MR					
UP15-42BUC7/MR	115	.74	85	1/25	10µF/180V						

Materials of Construction

DESCRIPTION	MATERIAL	DESCRIPTION	MATERIAL
Inlet Cone, Bearing Plate, Bearing Retainers, Rotor Can, Rotor Cladding, Shaft Retainer.	Stainless Steel	Union Gasket	Non Asbestos Fiber
Check valve spring.		O'Ring & Gaskets	EP (Ethylene Propylene Rubber)
Tail Piece and Union Nut	Brass (UNS C36000)	Pump Housing (Volute)	Silicon Bronze C875 or Cast Iron
Shaft, Upper & Lower Radial Bearings	Aluminum Oxide Ceramic	Impeller	PES Composite (30% Glass Filled)
Thrust Bearing	Metal Impregnated Carbon	Terminal Box	Noryl®
Check Valve Housing, Valve and Torpedo (BUC5 & BUC7)	POM (Polyoxymethylene)		
Check Valve Housing (FC & BFC)	Acetal With Nitrile Rubber Seals		

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