

AquaMotion[®]

Best Wet Rotor Pump Design, Pure and Simple



Pumps and Hydronic Products U.S. DESIGN - U.S. BUILT - PATENTED
401.785.3000 | FAX 401.785.3033 | info@AquaMotionHVAC.com | www.AquaMotionHVAC.com

THE MOST ENERGY EFFICIENT, COST EFFECTIVE CIRCULATORS AND RECIRCULATION SYSTEMS

For Heating, Plumbing,
Energy Conservation,
Hot Water Recirculation

Pumps are designed for
low operating cost, long
life and sustainability

A team of engineers with over 100 year experience in pump design and manufacturing "Know How" in water lubricated pumps created this superior pump line with many unique features and benefits for the customer.

The rugged and most Energy Efficient circulators on the market save the user money in electricity cost for the next 10-20 years. We offer HIGH EFFICIENCY WITHOUT THE HIGH PRICE in PSC (Permanent split capacitor) and ECM (Electronically Commutated motor) circulators.

Our efficient residential heating circulators cost only \$10 - \$18 annually in electricity.

The heart of the pump is the cartridge. It contains all moving parts. Our PSC circulators use the unique, Patented Green ECO Cartridge™ that can be flushed or replaced. It doubles the life of a circulator for a fraction of THE COST OF a new circulator. Cartridge fits competitor's most popular models 007 series for 20% to 40% less cost in one SKU.

Our patented strong one piece bearings are sintered bronze carbon infused for long life.

AquaMotion ECM designs are of metal construction and stainless cartridges with the rotor clad in stainless. Competitor uses an all plastic design with the rotor running in plastic without a stainless cartridge. The AMRe ECM has a built-in IRON GUARD and saves the cost of an iron filter.

AQUA-SHIELD™ is the first UL listed OUTDOOR PUMP for use with tankless heaters. (Patent Pending)

APB30 boosts water pressure in homes by 30 PSI at every faucet, shower and sprinkler.



US DESIGN ≈ US BUILT ≈ PATENTED

Partial AquaMotion Product List – Pumps

AquaMotion	Description	Connections	Check Valve	Performance Ft X GPM*	Ampere
ECM, VARIABLE SPEED, CAST IRON					
AM55-FVL	Pump	4 Bolt Flange	25 mm	21X20	0.07 - 0.57
ECM SMART WITH IRON GUARD					
AMRe-FVL	Pump	2 Bolt Flange	25 mm	20x18	.68
ECM, VARIABLE SPEED, STAINLESS STEEL					
AM55-SFVL	Pump	4 Bolt Flange	25 mm	21X20	0.07 - 0.57
CLOSED SYSTEM - SINGLE SPEED - CAST IRON					
AM5-F1	Pump	2 Bolt Flange		9X18	0.54
AM5-FV1	Pump	2 Bolt Flange	20 mm	9X16	0.54
AM7-F1	Pump	2 Bolt Flange		11X20	0.6
AM7-FV1	Pump	2 Bolt Flange	25 mm	11X17	0.6
AM8-FV1	Pump	4 Bolt Flange	25 mm	18X12	0.62
AM10-FV1	Pump	4 Bolt Flange	32 mm	12x29	0.79
CLOSED SYSTEM - THREE SPEED - CAST IRON					
AMR-3F1	Pump	4 Bolt Flange		21X17	Hi 0.79, Med 0.62, Low 0.46
AMR-3FV1	Pump	4 Bolt Flange	25 mm	20X16	Hi 0.79, Med 0.62, Low 0.46
AM10-3F1	Pump	4 Bolt Flange		12X31	Hi 0.75, Med 0.60, Low 0.45
AM10-3FV1	Pump	4 Bolt Flange	32 mm	12X29	Hi 0.75, Med 0.60, Low 0.45
OPEN SYSTEM - SINGLE SPEED - STAINLESS STEEL					
AM2-RC1	Pump	3/4" NPT		8X4	0.26
AM2-SU1	Pump	Union		8X4	0.26
AM3-ST1	Pump	3/4" NPT		4X7	0.46
AM3-SU1	Pump	Union		4X7	0.46
AM3-SUV1	Pump	Union	20mm	4X6	0.46
AM3-SUC1	Pump	Union, 1/2" Sweat		4X7	0.46
AM3-SUE1	Pump	Union, 3/4" Sweat		4X7	0.46
AM3-SUCV1	Pump	Union, 1/2" Sweat	20 mm	4X6	0.46
AM3-SUEV1	Pump	Union, 3/4" Sweat	20 mm	4X6	0.46
AM5-SF1	Pump	2 Bolt Flange		9X18	0.54
AM5-SFV1	Pump	2 Bolt Flange	20 mm	9X16	0.54
AM6-ST1	Pump	3/4" NPT		8X11	0.54
AM6-SU1	Pump	Union		8X11	0.54
AM6-SUV1	Pump	Union	20 mm	8X10	0.54
AM6-SUC1	Pump	Union, 1/2" Sweat		8X11	0.54
AM6-SUE1	Pump	Union, 3/4" Sweat		8X11	0.54
AM6-SUCV1	Pump	Union, 1/2" Sweat	20 mm	8X10	0.54
AM6-SUEV1	Pump	Union, 3/4" Sweat	20 mm	8X10	0.54
AM7-SU1	Pump	Union		11X20	0.6
AM7-SUV1	Pump	Union	20 mm	11X17	0.6
AM7-SUC1	Pump	Union, 1/2" Sweat		11X20	0.6
AM7-SUE1	Pump	Union, 3/4" Sweat		11X20	0.6
AM7-SUCV1	Pump	Union, 1/2" Sweat	20 mm	11X16	0.6
AM7-SUEV1	Pump	Union, 3/4" Sweat	20 mm	11X16	0.6
AM7-SF1	Pump	2 Bolt Flange		11X20	0.6
AM7-SFV1	Pump	2 Bolt Flange	25 mm	11X16	0.6
AM8-SFV1	Pump	4 Bolt Flange	25 mm	18x12	0.62
AM10-SFV1	Pump	4 Bolt Flange	32 mm	12x29	0.79
OPEN SYSTEM - THREE SPEED - STAINLESS STEEL					
AMR-S3F1	Pump	4 Bolt Flange		21X17	Hi 0.79, Med 0.62, Low 0.46
AMR-S3FV1	Pump	4 Bolt Flange	25 mm	20X16	Hi 0.79, Med 0.62, Low 0.46
AM10-S3F1	Pump	4 Bolt Flange		12X31	Hi 0.75, Med 0.60, Low 0.45
AM10-S3FV1	Pump	4 Bolt Flange	32 mm	12X29	Hi 0.75, Med 0.60, Low 0.45
AQUA-SHIELD OUTDOOR PUMP FOR TANKLESS					
AM7-SUV1AXLT1	Pump	Union 1/2"	20 mm	11x14	0.6
AMR-SFV1AXLT1	Pump	4 Bolt Flange	25 mm	21x16	0.79
AMH1K-7ODRXT1	Pump	Union 1/2"	20 mm	11x16	0.6
HIGH CAPACITY SINGLE SPEED CIRCULATORS - TWINTURBO SERIES™**					
AMR-FV3	Pump	4 Bolt Flange	25 mm	41x16	1.58
AMR-SFV3	Pump	4 Bolt Flange	25 mm	41x16	1.58
AMR-FV2	Pump	4 Bolt Flange	25 mm	36x13	1.58
AMR-SFV2	Pump	4 Bolt Flange	25 mm	36x13	1.58
AM10-FV3	Pump	4 Bolt Flange	32 mm	24x28	1.5
AM10-SFV3	Pump	4 Bolt Flange	32 mm	24x28	1.5
AM10-FV2	Pump	4 Bolt Flange	32 mm	21x23	1.5
AM10-SFV2	Pump	4 Bolt Flange	32 mm	21x23	1.5

AquaMotion	Description	Connections	AquaMotion	Description	Connections
SHUT OFF VALVES KITS					
SO75T	Shut Off Kits	3/4" NPT Thread	FK75, FK75S	Flange Kit	2 Bolt 3/4" NPT
SO100T	Shut Off Kits	1" NPT Thread	FK100, FK100S	Flange Kit	2 Bolt 1" NPT
SO125T	Shut Off Kits	1 1/4" NPT Thread	FK125, FK125S	Flange Kit	2 Bolt 1 1/4" NPT
SO75S	Shut Off Kits	3/4" Sweat	FK150, FK150S	Flange Kit	2 Bolt 1 1/2" NPT
SO100S	Shut Off Kits	1" Sweat	UK50, 50T, 50P	Union Kit	1/2" Sweat, Threaded, Pex
SO125S	Shut Off Kits	1 1/4" Sweat	UK75, 75T, 75P	Union Kit	3/4" Sweat, Threaded, PEX
CARTRIDGES					
CT03	Cartridge Kit	For AM3	UK 75M	Male	3/4" Threaded
CT056	Cartridge Kit	For AM5 & AM6			
CT07	Cartridge Kit	For AM7			
CT10	Cartridge Kit	For AM10			
CTR	Cartridge Kit	For AMR			

All Models Available with 10' Line Cord with 3 Prong Plug, Add "L" Suffix
 *Feet at zero GPM X GPM at zero feet
 For Other Models Please Contact the Factory or Representative.
 **All products available WITHOUT a check valve

Hot Water Recirculation

HOT WATER RECIRCULATION KITS

AMH3K-7	Under-sink
AMH1K-3UV	Under-sink
AMH2K-7	Dedicated return
AMH1K-6ODRZT1	Under-sink, tankless
AMH1K-RODRN	Under-sink, tankless ON DEMAND™
AMH3K-R	Under-sink, tank or tankless
AMH2K-R	Dedicated return, tankless
AM7-SUV1AXLT1	Outdoor pump, union Dedicated return, tankless
AMH1K-7ODRXT1	outdoor pump, union, tankless ONE PIPE, ON DEMAND™
AMR-SFV1AXLT1	Outdoor pump, flanged 4 bolt

RECIRCULATION VALVE KITS

AMK-FK	Aqua-Flash® Under-sink valve for AMH1K-3UV
AMK-UK	Aqua-Flash® Universal valve, TANKS
AMK-ODR	Superflow™ Under-sink valve, TANKLESS

AQUA-ON DEMAND ACCESSORIES

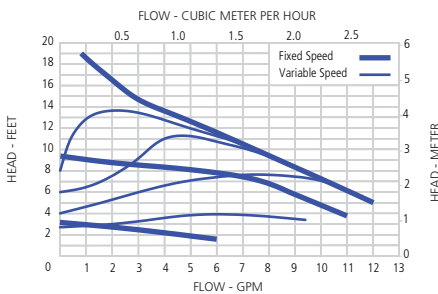
AMK-WB	Wireless button/receiver
AMK-MS	Motion sensor/receiver
AMK-WS	Wall Switch/receiver
AMK-CB	Counter button/relay
AMK-SM	WIFI Smart Plug
AMK-WBR	Additional Button
AMK-MSR	Add. Motion sensor
AMK-WSR	Add. Toggle switch
AMK-T	Electronic Timer

	AquaMotion	Connection	BICV	Taco*	Grundfos*	Xylem*, B&G*	Armstrong*
ECM, VARIABLE SPEED	AM55-FVL	4 Bolt Flange	X	VR1816, VT2218, 0015e3	Alpha I,II 15-55F, FR, F/LC, FR/LC	XL 20-35	
	AM55-SFVL	4 Bolt Flange	X		Alpha I,II 15-55SF,SF/LC		
ECM	AMRe-FVL	2 Bolt Flange	X	007e, 0015e, 007, 015, 00R	15-58, 15-42		
CLOSED SYSTEM - SINGLE SPEED - CAST IRON	AM5-F1	2 Bolt Flange		005F, 006F		NRF-9F	
	AM5-FV1	2 Bolt Flange	X	005F-IFC, 006F-IFC			
	AM7-F1	2 Bolt Flange		007F	UP15-42F	NRF-22	Astro 30
	AM7-FV1	2 Bolt Flange		007F-IFC	UP15-42FC		Astro 225CI
	AM8-FV1	4 Bolt Flange	X	008F6, 008-F6-1FC	UP15-42FC	NRF25	Astro30
	AM10-FV1	4 Bolt Flange	X	0010F3, 0010-MSF-IFC	UP15-55FC	NRF33	Astro30
CLOSED SYSTEM - THREE SPEED - CAST IRON	AMR-3F1	4 Bolt Flange		008-F, 0015-MSF	UP15-42F, UPS15-58F	NRF-25	Astro 50-3
	AMR-3FV1	4 Bolt Flange	X	008-F-IFC, 0015-MSF-IFC, 00R-F-IFC	UP15-42FC, UPS15-58FC		Astro 250CI, Astro 230CI
	AM10-3F1	4 Bolt Flange		0010-F	UP15-58FC, UPS43-44F	NRF-33	Astro 30-3
	AM10-3FV1	4 Bolt Flange	X	0010-F-IFC	UPS43-44FC		Astro 230CI
OPEN SYSTEM - SINGLE SPEED - STAINLESS STEEL	AM1-SU1	Union			UP15-10SU		
	AM3-ST1	3/4" NPT		003-ST			
	AM3-SUC1	Union, 1/2" Sweat		003-BC	UP15-10B5	NBF-8S	
	AM3-SUE1	Union, 3/4" Sweat		003-B	UP15-10B7	NBF-8S	
	AM3-SUCV1	Union, 1/2" Sweat	X		UP15-10BUC5		
	AM3-SUEV1	Union, 3/4" Sweat	X		UP15-10BUC7		
	AM3-SU1	Union		003-SC			
	AM5-SF1	2 Bolt Flange		005-SF	UP15-29SF		
	AM5-SFV1	2 Bolt Flange	X	005-SF-IFC	UP15-29SFC		
	AM6-ST1	3/4" NPT		006-ST			
	AM6-SU1	Union					Astro 220SSU
	AM6-SUC1	Union, 1/2" Sweat		006-BC	UP15-18B5	NBF-8S, 9U	Astro 20 B050S 1/2"
	AM6-SUE1	Union, 3/4" Sweat		006-B	UP15-18B7	NBF-8S, 9U	Astro 20 B075S 3/4"
	AM6-SUCV1	Union, 1/2" NPT	X	006-BC	UP15-18BUC5		
	AM6-SUEV1	Union, 3/4" Sweat	X	006-B	UP15-18BUC7		
	AM7-SU1	Union			UP15-29SU		
	AM7-SUV1	Union	X		UP15-29SUC, UP15-35SUC		Astro 225SSU
	AM7-SUC1	Union, 1/2" Sweat			UP15-42B5		Astro 225BS 1/2"
	AM7-SUE1	Union, 3/4" Sweat			UP15-42B7		Astro 225BS 3/4"
	AM7-SUCV1	Union, 1/2" Sweat	X		UP15-42BBUC5		
	AM7-SUEV1	Union, 3/4" Sweat	X		UP15-42BUC7		
	AM7-SF1	2 Bolt Flange		007-SF			SSF-12 F/LW, NBF-12F/LW
	AM7-SFV1	2 Bolt Flange	X	007-SF-IFC	UPS15-35SFC		
	AM8-SFV1	4 Bolt Flange	X	008SF6, 008-SF6-1FC	UP15-42SFC	NBF25	Astro30B
AM10-SFV1	4 Bolt Flange	X	0010SF3, 0010-SF3-IFC	UP15-55SFC	NBF33	Astro30B	
OPEN SYSTEM - THREE SPEED - STAINLESS STEEL	AMR-S3F1	4 Bolt Flange		008-SF, 0015-MSSF	UPS15-42SF, UPS15-55SF		Astro 50B-3, Astro 250SS, 230SS
	AMR-S3FV1	4 Bolt Flange	X	008-SF-IFC, 0015-MSSF-IFC	PUS15-42SFC, UPS15-55SFC		
	AM10-S3F1	4 Bolt Flange		0010-MSSF	UPS43-44BF, UP43-44BF		
	AM10-S3FV1	4 Bolt Flange	X	0010-MSSF-IFC	UPS43-44BFC, UP43-44BFC		
HIGH CAPACITY SINGLE SPEED CIRCULATORS - TWINTURBO SERIES™	AMR-F3			009/0011	UP26-120F		
	AMR-F2			0014	UP15-100F		
	AM10-F3				UP26-64F & UP26-96F	PL30	Astro 210
	AM10-F2				UP15-58F		Astro 250

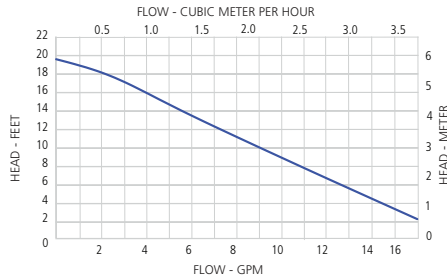
All Models Available with 10' Line Cord with 3 Prong Plug, Add "L" Suffix
For Other Models Please Contact the Factory or Representative.

Performance Data

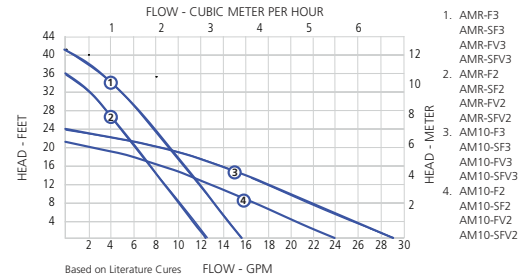
ECM AM55 - Variable Speed Curves



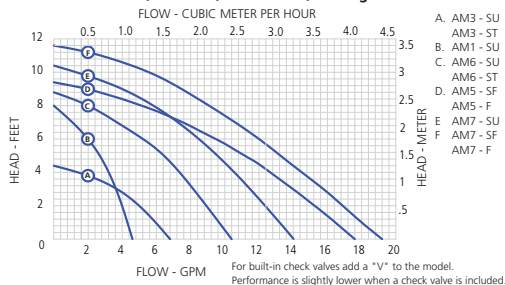
AMRe
ECM AMRe Einstein Series



AMR & AM10 Twin Turbo
(Two pumps in series)

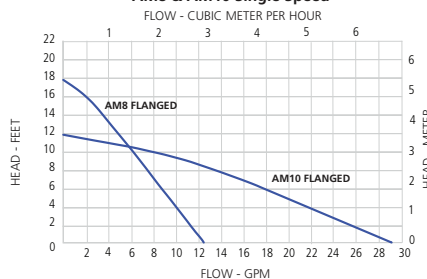


Single Speed Curves, AM1 to AM7
S-Stainless, U-Union, T-Threaded, F-Flanged



For built-in check valves add a "V" to the model.
Performance is slightly lower when a check valve is included.

Single Speed
AM8 & AM10 Single Speed



3 Speed

