

MULTI-STAGE. HIGH PERFORMANCE. SURFACE PUMPS.

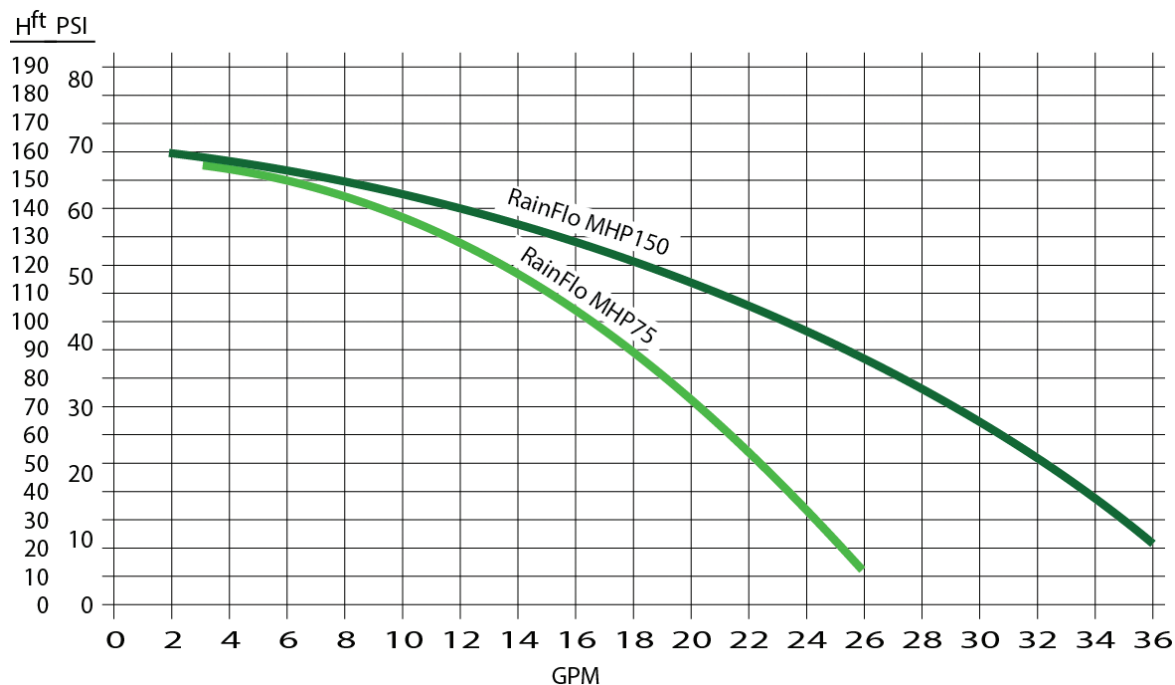


RainFlo rainwater pumps are high performance multi-stage centrifugal surface pumps for residential, commercial, and light-industrial systems.

RUGGED, DEPENDABLE PERFORMANCE

RainFlo above ground pumps are specially designed for the unique requirements of rainwater collection systems while offering exceptional performance as standard booster pumps. Equipped with a large threaded inlet for connection to a rainwater tank or alternate water source, these pumps are constructed with an all stainless steel water end, including stainless steel casing, impellers, diffusers, drive shaft and bearings, delivering long life and reliable performance.

PUMP PERFORMANCE



SOLID, QUIET AND HIGHLY VERSATILE

Available in 0.75 HP and 1.5 HP 115V models, the MHP is particularly quiet and durable from its solid construction. The all-stainless water end design protects the pump from the low pH of rainwater and will also operate in a wide variety of temperature ranges and liquids. The MHP is suitable for circulation and conveyance of many industrial and process liquids like mineral water, soft water, pure water and clean oil and also for the boosting and circulation of fertilizer and light chlorine and metering systems.

SPECIFICATIONS

RainFlo Multi-Stage Centrifugal Pumps

Model Number	MHP75	MHP150
Horsepower	0.75	1.5
Nominal voltage range	110-120V A/C, 60Hz, 10A max	110-120V A/C, 60Hz, 14A max
P1kW (Input)	1.04	1.5
P2kW (Output)	0.55	0.75
Impeller stages	4	4
Maximum flow	26 GPM	36 GPM
GPM at 60 PSI (0 Head)	9.2	12
GPM at 50 PSI (0 Head)	14	19.5
Maximum head	164 feet	168 feet
System pressure	up to 65 PSI	up to 65 PSI
Inlet pressure	up to 145 PSI	up to 145 PSI
Inlet/outlet size	1" FPT	1.25" FPT/1" FPT
Weight	22 lbs	25.5 lbs
Dimensions	15.75"L x 6.5"W x 9"H	16"L x 6.5"W x 9.3"H
Thermal protection	Yes	Yes
Operating liquid temp	41° - 158°F	41° - 158°F
Max. environmental temp	122°F	122°F
Motor	2-pole induction, continuous duty	2-pole induction, continuous duty
RPM	3,450	3,450
Cooling	Air cooled	Air cooled
Insulation class	F	F
Protection	IP55	IP55
Certifications	TUV, CCC	TUV, CCC
Warranty	1 year	1 year

INSTALLATION INSTRUCTIONS

Mounting Location

The pump must be mounted in a horizontal orientation and must be mounted externally on the ground or other sturdy platform. When mounted externally, the pump must be safely and securely mounted in a manner which prevents exposure to electrical connections and in a location which prevents damage and exposure to freezing temperatures.

Environmental Considerations

If the pump may be exposed to freezing temperatures, the pump must be fully drained and protected with food-grade antifreeze. The pump offers water resistance but should be mounted in a location away from direct exposure to rain, humidity, snow, excessive heat and direct sunlight.

Pump Power

The RainFlo MHP-series pumps are equipped with a 5 foot power cord. The pump is typically paired with an auxiliary pump control such as the RainFlo 115V Pump Controller for on/off functions and run-dry protection. The pump system may be directly plugged in to a 115 volt wall outlet that uses a 15 amp circuit breaker (verify local codes for compliance with ground-fault and wiring standards). The pump itself may be temporarily plugged into 115V power for troubleshooting the pump controller. Upon connection, without a pump controller or pressure switch setup, the pump will turn on and pump continuously until it is unplugged or it runs out of water and overheats. Run-dry conditions and overheating will void the factory warranty. It is recommended to always use this pump in conjunction with some kind of pump control system. When using an electronic pump controller, all electrical connections should always be made by a qualified electrician. Extra care should be taken to verify that all components are properly grounded.

NOTICE: This pump must be primed prior to first use.

Priming Procedure

1. Connect the pump inlet (the stainless steel female threaded connection) to the water source and remove any air from the line.
2. Remove the priming bolt (the stainless steel bolt at the top near the inlet) and pour approximately one cup of water into the pump body.
3. Replace and tighten the priming bolt.

Repeat 2-3 times if necessary. If the pump is not pumping water after 3 attempts, verify the inlet plumbing is supplying water to the pump. No additional priming should be necessary under normal circumstances.

Rear side and priming/drain ports illustration

