

The Merlin-Garden Pro is designed to run on inlet line pressure between 40-80 psi. If you are experiencing less pressure and low flows, or just want to maximize your flow rates, the booster pump will increase inlet pressure to a constant 65 psi. The pump is designed specifically to work with the high flow rates required by the Merlin-Garden Pro. It has a custom micro-processor that allows the pump to run for long periods of time.

1

Install the pump on the inlet tubing (1/2" clear) of the Merlin-Garden Pro. Simply cut the inlet tubing somewhere close to filter unit and push each cut end into the fittings on the pump. NOTE: there is an arrow indicating direction of flow of the water on the pump.

2

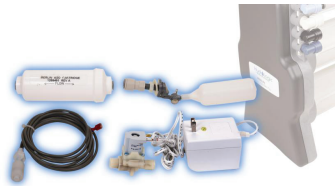
The pump has a built in pressure switch which automatically turns the pump off when there is an increase in pressure downstream of pump. In other words, by shutting off the 3/8" shut-off valve, included with the Merlin-Garden Pro, the line pressure will increase and the pump will shut off. DO NOT attempt to shut off flow of water entering the pump. The pump will not shut off and will quickly burn itself out. If you need to shut off the flow of water entering the pump, unplug the pump's power cord. This is not covered under warranty.

3

DO NOT attempt to use the Merlin-Float Valve Kit (shown below) in conjunction with the pump. The pump is too powerful for the float kit and will not shut down properly and eventually burn out. This is not covered under warranty.



You must use the Electronic Shut-Off kit (shown below) for the Merlin-Garden Pro if you wish to use a float option. This can be viewed at www.hydrologicsystems.com and you can inquire at your dealer.



4

When the pump reaches its thermal limit, it will shut down until it cools off a bit, and then re-start until the next thermal cycle. DO NOT attempt to unplug the pump from power and restart it. It cycles for a reason. If you attempt to by-pass the thermal cycling, you will burn out the pump. This is not covered under warranty.



- Increase flow rate of pure water line
- Provides constant 65 psi of pressure to unit
- Ideal for well water and gravity feed situations



*optional pump protector available (HL#29040)
- see website for more info