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# Irrigation Buyer's Guide

2017

## The Anatomy of A Rusty Shovel Sprinkler System

Manifold & Valves

### THE HEART

The manifold is the heart of the system sending water to all of your heads and lines to irrigate your lawn. When it comes to manifold systems it has to be easy to install, fix, and operate...and it should be automated. The manifold consists of the ports for your valves and the valves themselves. Our go to manifold is a Hydro-Rain swivel system with Hydro-Rain jar-top automatic valves

### Swivel Manifold

Swivel manifolds allow you to quickly construct your manifold while also giving you the ability to fix a single piece of the manifold. Unlike glued or non-swivel manifolds which require the entire thing to be deconstructed or scrapped if there is a leak, the swivel manifold lets you easily unscrew the broken or malfunctioning part. Also, built in seals mean no need for Teflon tape on most parts. All that said gives you speed and ease of install that other systems just cannot match.



\$6.00-\$18.00/Piece

### Automatic Valves

When it comes to valves the only way to go is automated. No more forgetting to turn a valve on or off, overwatering, or watering during the most wasteful times of the day. Automatic valves make all of that programmable so you never have to be awake or around to make them go. Add in the jar-top functionality (the valve unscrews like a jar lid) which allows you to service your valve without removing the whole manifold and you have a winner.

#### Hydro-Rain HRJ 100



\$41.96

Controller

### THE BRAIN

If your manifold is the heart then the controller is the brain. Your controller tells your valves when to turn on and off so you don't have to. There are generally 3 options we will suggest for your controller and those are a wifi operated controller, a Bluetooth operated controller, or a traditional controller that is operated via a control panel on the controller itself

### Wifi Controller

#### Hydro-Rain HRC 400 WIFI

The B-HYVE Pro controller from is a modern marvel at a stellar price. Install an app on your phone and control your sprinklers from anywhere in the world. You can even set this controller to monitor the weather and adjust your run times accordingly. Smart irrigation at it's finest.



\$199.99 - \$219.99

### Battery & Bluetooth

#### Hydro-Rain HRC 990 & K-Rain BL-KR

Sometimes A/C power can be difficult to access in a landscape. That's where battery operated controllers come in. The Hydro-Rain 990 is the most cost effective solution on the market. The K-Rain adds a functional twist with their Bluetooth connectivity, providing programming solutions right from your smart phone.



\$289.98



\$359.98 - 4519.98

### Basic Controller

#### Hydro-Rain HRC 100C

Cost-effective and easy to use. This controller is a snap to set and is ultra reliable. Therefore, if you are just looking to get in the game this is your best choice. This comes in 4, 6, 9, or 12 zone options with three programs. Add a wireless rain/freeze sensor for set and forget functionality.



\$165.99 - \$267.03

Heads

**WATER WATER EVERYWHERE**

Heads distribute the water over your space to keep stuff green. There all kinds of brands and types, however, instead of randomly picking one we have selected our favourites. Whether your head is a spray head or a rotor head there is a go to head that you should use in order to make your life easy.

**Spray Heads**

**Rotor Heads**

The traditional head. These are used for shorter distances and put out water in a fixed pattern (no turning back and forth). When selecting a spray head you are looking for a 4" stem with easy motion and a low-pressure seal. This just means the sprinkler will pop up and seal at low pressure so

These heads are for longer distances and rotate back and forth. These heads have come along way compared to the old sprinklers that slap the water and make all the noise. Smooth, silent, and even water distribution over long distances is the name of the game with rotor heads.

**K-Rain Pro S 4"**



**\$5.00**

Our favourite spray head. Has the smoothest action for popping up out of anything going and pressurizes at only 8 psi. That is a big deal...we promise. Also these guys are as affordable as it gets.

**RainBird 1800 Series**



**\$5.70**

A head for those traditionalists who want the comfort of an older name brand. They do the trick and aren't overpriced.

**K-Rain Super Pro Rotor**



**\$27.96**

The Super Pro changed the game when it comes to rotors with flow control and shut off. The easiest head there is to set and service. Affordable too.

**RainBird 5004**



**\$29.98**

Again, a rotor head for those looking for a more household name. They always work well and have nice water distribution

Nozzles

**DON'T WASTE A DROP**

Nozzles are attached to the head in order to control the distance and pattern of the water exiting the head. With rotor heads the nozzles come with the head so you don't need to worry here. However, with spray heads you have to select the nozzle style you want. The nozzles will have a distance value in feet (how far the water goes) and a pattern value in degrees (how wide the spray is from 0 to 360 degrees). Again, every irrigation company has their own nozzles and styles but when it comes to price, consistency, and ease of use below we have listed our favourites

**Hydro-Rain HRN200 Adjustable**



**\$2.98**

Choose the nozzle distance and then the pattern is fully adjustable from 0 to 360. These are our go to nozzle because they get your pattern perfect every time at a good price.

**RainBird Specialty MPR Series**



**\$3.56**

These nozzles are the standard in completely fixed spray (no adjustability). When it comes to specialty nozzles for long narrow patches and strips these are great.

**K-Rain Rotary Nozzle**



**\$15.50**

Rotary nozzles are a great nozzle for instances where low water pressure is a problem. They are adjustable in distance and pattern...and K-Rain's nozzle is the easiest to adjust and most affordable going. On top of that they match the precipitation rate of rotors.

**THE WATER SUPERHIGHWAY**

The pipe transports the water from the manifold to the sprinkler heads...and it has been done the same way for too long. We are always looking to make installing sprinklers easier with the newest innovations. Enter Blu-Lock pipe and fittings. Blu-Lock pipe and fittings have a higher pressure tolerance than standard pipe and fittings, and, are easier to use on top of it. A push fit system like Blu-Lock's decreases installation time and headaches. No clamps, screw drivers, or extra tools...just push the fitting over top of the pipe and you're done.



**Pipe**

Blu-Lock pipe comes in 1/2", 3/4", and 1", and the most common pipe sizes in residential settings are 1/2" and 3/4".  
Durable, Pliable, Awesome.

**\$0.35-\$0.41/Ft**

**Fittings**

All the fittings you could need in all the right sizes: 1/2", 3/4", and 1". These fittings even have a gasket in them for extra measure. We have replaced 1 fitting in 10 years...now that is consistency.

**\$1.00 - \$6.00/Piece**



**LET US TELL YOU HOW TO DO IT**

If you are at this point and all of this is still overwhelming then let us figure it out for you. We will tell you exactly where every fitting, piece of pipe, head and valve go and how to do it. And the best part? We do it for free if you buy your sprinkler system from us. Click the link below to get started with a free quote.

**GET A FREE QUOTE**