



# Buy Time With K-Line

Using an Indexed System to Reduce Labor Requirements.

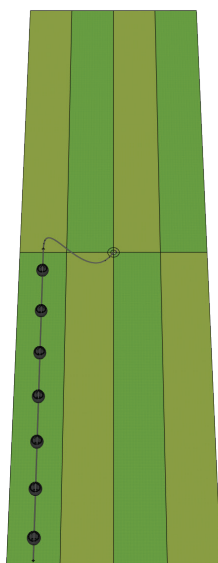
New and existing K-Line users looking to further reduce labor efforts and time requirements for moving their K-Line systems may consider doubling or quadrupling the number of K-Lines operating from each system riser. Because K-Line components represent only a fraction of the total system cost, adding additional pod lines results in only a marginal increase in overall expenses, while significantly reducing the labor and time required to relocate lines. Furthermore, each system can be semi-automated, allowing for minimal to no human intervention in switching line operations.

## How An Indexed K-Line System Works

Adding multiple lines to a zone reduces the frequency that an operator needs to relocate lines. Note that to maintain sufficient pressure through the system, only one pod line will be operating at any given time. The example below illustrates the reduction of site visits and labor in going from a single pod line in an eight-set zone to two and four pod lines in the same zone. The example assumes that each set (pod line position) is 24-hours in duration.

### A) STANDARD OPTION 1 Pod Line

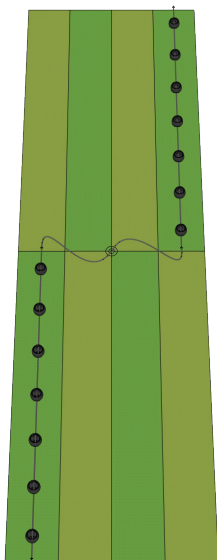
EIGHT VISITS required to move the pod line across all eight sets. Duration to complete watering the entire zone is eight days.



Site Visits = 8 Days  
Effort = 100%

### B) LESS EFFORT 2 Pod Lines

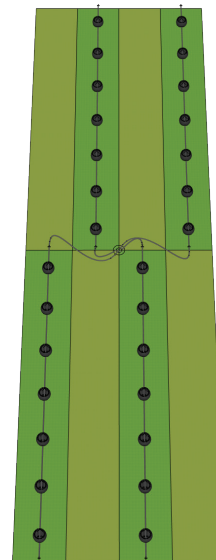
FOUR VISITS required to move the pod lines across all eight sets. Duration to complete watering the entire zone is still eight days but the operator does not need move lines on the second or fourth days of the rotation.



Site Visits = 4 Days  
Effort = 50%

### C) LEAST EFFORT 4 Pod Lines

TWO VISITS required to move the pod lines across all eight sets. Duration to complete watering the entire zone is still eight days but the operator does not need to move lines on the second, third, fourth, sixth, seventh, or eighth days of the rotation.



Site Visits = 2 Days  
Effort = 25%

## Benefits of an Indexed K-Line System

- Significant reduction of daily labor needs.
- Minimization of the required number of visits to the irrigation site, thereby decreasing vehicle mileage, travel time, and fuel expenses.
- Elimination of the need to “cross the riser” with the feed line between the two middle sets.
- Elimination of needing to reset the pod and feed line from the last set, back to the first set, which is the most labor-intensive repositioning.
- Less lateral movement of the feed line, permitting an easier, faster, and overall more enjoyable line relocation experience for the operator.

## User Examples

Last year, Max was hesitant to invest in indexing valves and pump timers until he could confirm that the system upgrade would be worthwhile. Instead, he opted to install a three-way ball valve on each riser, along with an additional K-Line pod line and feed line. Because the ball valve had to be manually adjusted to redirect water flow, Max still needed to ride his ATV to each riser and switch them daily. However, this setup significantly reduced the overall time spent moving his K-Line systems and even allowed him to take some days off to attend his children’s ball games by having a neighbor kid handle the switching when he was out of town. Seeing the value in this improvement, Max plans to further upgrade to semi-automated systems next year, adding indexing valves and pump timers.



Since Debbie already had a time clock on her K-Line Irrigation system, this made her install so much simpler. She added the indexing valve at each hydrant, added three lines to each riser, and now shifts her 8-set system only twice a week.

Talk about easy!

Phil is part of an irrigation district that monitors his water consumption. He receives water for a limited time and must use his entire water allocation within that period or lose it. To maximize efficiency, he has set up his irrigation zones with solid-set K-Line and installed valves at the riser to alternate the sections receiving water every 12 hours. This approach allows him to apply a substantial amount of water to each section within each 12-hour period, ensuring his pastures receive the necessary water without waste, while using 100% of his irrigation allotment. Best of all, with the solid-set indexed K-Line zones, he doesn’t have to move a single K-Line to accomplish this!

