

## Please read all instructions before installing swing joints

Do not disassemble the parts that come pre-assembled.

Do not use pipe joint compound or tape in the sealed components.

Always hand tighten Ö-Ring seal until male part is bottomed out then back off male part one complete revolution.

On all solvent weld joints, prime and glue according to solvent manufacturer's recommendations. (CAUTION: keep primer and solvent away from all O-Ring sealing surfaces.)

Dura recommends installation at 30° to 60° rise from the horizontal plane. Prior to final installation and backfill,

Prior to final installation and backfill, check all swing components to insure that no O-Rings are exposed. If any O-Rings are exposed, readjust the component to eliminate this exposure.

## **System Start-up**

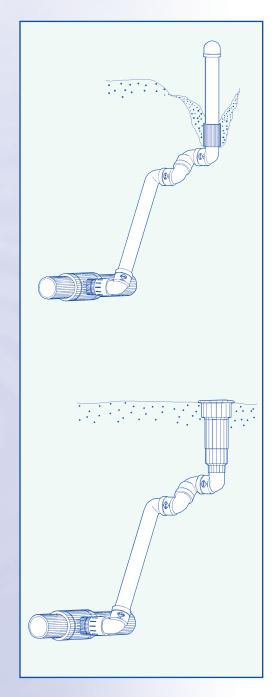
This procedure is recommended for new installations, after repairs, and in the spring if the system was drained for winterization.

- 1. Bleed all air from system while filling. Do not compress air and then relieve.
- 2. Fill system at a velocity fill rate based on pipe size and rates shown in the table.

WARNING: Failure to comply with procedure can result in a "water hammer" effect which can cause damage to system components and possible injury to personnel.

Pipe	Gallons/	Velocity
Size	Minute	(Ft/Second)
1/2"	2	1.60
3/4"	3	1.92
1"	5	1.50
1 1/4"	10	1.86
1 1/2"	10	1.41
2"	20	1.80
2 1/2"	30	1.84
3"	45	1.86
4"	75	1.87
6"	150	1.73
8"	250	1.70
10"	450	1.97
12"	500	1.55





## **INSTALLATION STEP 1:**

- To avoid possible damage to swing joint components by direct sunlight or high temperatures, store in a cool, shady place.
- Upon installation, immediately fill ditch around swing joint with native soil.
- If sprinkler head is not affixed, set up a standby unit as shown at left.

## **INSTALLATION STEP 2:**

- Remove standby unit and install the sprinkler head.
- Finish backfilling and adjust to grade.