

Certa-Set® Agricultural Irrigation Piping System



Certa-Set® Agricultural Irrigation Piping System with Certa-Lok® Self-Restraining Joint

NAPCO Yelomine® polyvinyl chloride (PVC) piping system has been performance-proven in demanding industrial and mining applications for more than 40 years. Now this same superior performance is available to growers of row crops and turf grass.

- Unsurpassed leakproof solutions for main line and lateral applications
- Virtually impervious to effects of sunlight, electrolysis, chemicals and fertilizers
- Helps conserve water and improve yields
- Saves on labor and equipment

Certa-Set Main Line

Certa-Set Main Line is as easy to work with as it is durable. It can be shallow-buried, allowing trucks access to fields without the time and expense of moving pipe. The leakproof performance of the Certa-Lok joint eliminates the need for catch basins to dispose of leaked water, a common problem with aluminum pipe. The Certa-Lok joint also makes Main Line easy to connect and disconnect, and the perfect complement to Certa-Set laterals as well as other types of temporary and semi-permanent drip systems.



Certa-Set Lateral System

The Certa-Set lateral solid-set irrigation piping system is portable, highly efficient and delivers virtually leakproof operation. The patented Certa-Set sled coupling is an integral part of the Certa-Set lateral system. It's designed to eliminate leakage during start-up, operation and shut-down while ensuring that risers remain upright, even during mechanical handling.

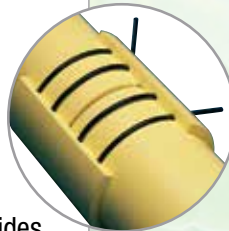
- Instant pressurization at start-up – takes minutes (vs. hours for aluminum systems)
- 20% less friction loss than aluminum
- Distribution uniformity (DU) of 84%* vs. about 70% for comparable aluminum systems
- New 3/4" riser and riser cap offers improved flow characteristics compared to old 1/2" riser cap

*DU testing by the National Resources Conservation Service, a division of the U.S. Department of Agriculture.



Certa-Lok Self-Restraining Joint

Certa-Set Main Line, laterals and sled couplings feature the unique Certa-Lok self-restraining joint, with precision-engineered grooves that, when aligned, allow a spline to be inserted that instantly creates a fully circumferential restrained joint that locks pipe and coupling together; a flexible elastomeric O-ring in the coupling provides a hydraulic pressure seal. The beauty of this system is that pipe sections can be assembled quickly in all weather conditions; no solvents, arc welding or reinforcing attachments are required. Sections can be easily disassembled and reconfigured, a real advantage to growers who need to move irrigation systems from field to field.



Restrained-Joint PVC Pipe

Efficiency • Performance • Simplicity • Sustainability

FEATURES AND BENEFITS OF THE CERTA-SET® SYSTEM

- **Leakproof Operation**

Eliminates puddling and conserves water by maintaining a watertight seal even after multiple disassembly/reassembly cycles.

- **Durability**

Modified PVC counteracts potentially damaging effects of prolonged exposure to sunlight. Impact modifier allows heavy equipment to drive over semi-buried pipe.



- **Corrosion Resistance**

Will not pit or corrode, or deteriorate due to electrolysis or injection of fertilizers or chemicals – even copper-based products. Extremely smooth interior surface improves water flow, reducing pumping costs.

- **Outstanding Stability**

Certa-Set sled coupling “wings” keep coupling in place and riser upright – even in harsh weather.



- **Suitability for Mechanization**

Compatible with mechanical side-shift operations of up to 20 feet; pipe can easily be shifted with roller system to ride over top cultivation equipment.

- **Automation Capability**

Pipe can be transferred from field to field using AIM Inc.’s Golden Retriever. No manual loading and unloading of pipe needed.



- **Easy to Install**

Certa-Lok spline joint makes Certa-Set components easy to install and disassemble for relocation and reuse.

- **Easy to Handle**

Certa-Set pipe available in convenient 15-, 20-, 30- and 40-foot lengths that can be moved and set up without heavy equipment or special tooling.

The Certa-Set PVC piping system offers durability, flexibility and performance aluminum systems can't match. One of Certa-Set's best features is leakproof operation, which eliminates the puddling (and crop damage) that can plague aluminum systems.



**Certa-Set System –
No Leaking Joints**



**Aluminum System –
Puddling Around Leaking Joints**



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