

High Maintenance Maintenance Free

ANTIQUATED
TECHNOLOGY

PATENT PENDING
TECHNOLOGY

CONVENTIONAL Valve Top Plate

- Two arms are very unstable under turbulent flow causing extreme vibrations and damage.
- Conventional valve seals scar easily with debris and embedded rocks.
- Rubber seals are prone to drying, cracking and compression memory, resulting in hidden leakage and substantial water waste. The cumulative effect becomes a major cost issue.



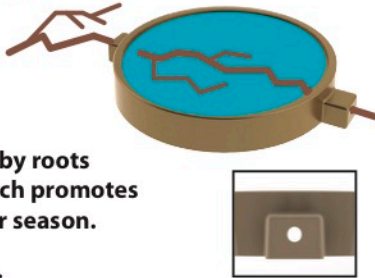
SPARTAN Tri-Arm Valve Top Plate

- Tri-arms lead to complete stability and precision valve guidance.
- Guarantees a perfect seal.
- Long life, high durability, high lubricity, which doesn't wear out, even under turbulent flow. Not vulnerable to any type of damage.
- Crushes rocks and deflects them with no indentations or scarring, thus eliminating leakage.



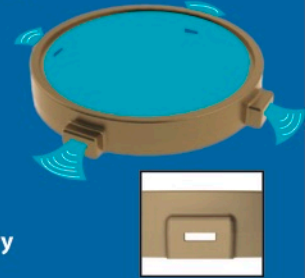
CONVENTIONAL Drain Ring

- Only two outlets.
- Limits drainage.
- Uses circular outlet holes easily clogged by roots and other debris which promotes freezing in the winter season.
- Has less volume flow.



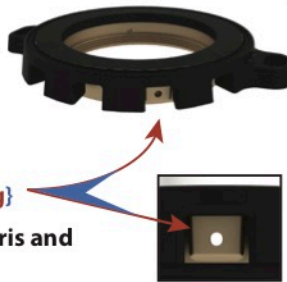
SPARTAN Drain Ring

- Four outlets.
- Significantly increased drain flow.
- Oblong shaped outlet hole prevents roots from potentially clogging the drain outlet.



CONVENTIONAL Drain Ring Housing

- Leaves the drain ring fully exposed.
- Does nothing to prevent high pressure flow which causes **{severe undermining}**
- Easily clogs due to dirt, debris and tree roots.



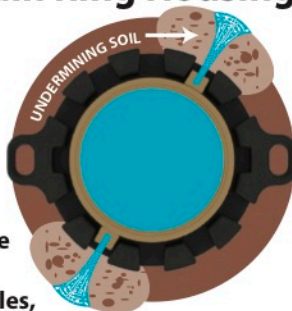
SPARTAN Saturation Plate

- Drain ring outlets are fully encapsulated and shielded.
- Designed to diffuse high pressure flow.
- Drainage is maximized and water flow pressure is diffused equally through eight low profile outlets which prevents clogs, undermining, and root deterrence.



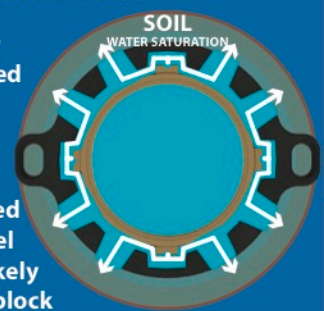
CONVENTIONAL Drain Ring Housing

- Due to this design, if left on pressure drain direct exposure will cause severe undermining of the surrounding soil.
- Moisture from a leaking valve draws roots to the water source clogging the drain holes, promoting poor drainage and freezing in the winter.



SPARTAN Saturation Plate

- Here is an illustration of how the water drain flow is diffused and distributed throughout the Saturation Plate.
- The low profile oblong shaped design along with the channel maze make it extremely unlikely for roots to grow inside and block the four water outlets.



CONVENTIONAL Steel Materials

- Conventional steel bolts and conventional operating stem which tend to corrode and rot in a significantly short period of time.



SPARTAN Stainless Steel Materials

- High quality stainless steel that never corrodes or rots.

