



# “Optimized Solutions”

*Self Cleaning – Never Clog Underdrain*

## Application:

Pressure filter underdrain system.

## System Design:

- Universal application
- Suitable for all underdrain systems
- 15in spacing allowance

## Materials of Construction:

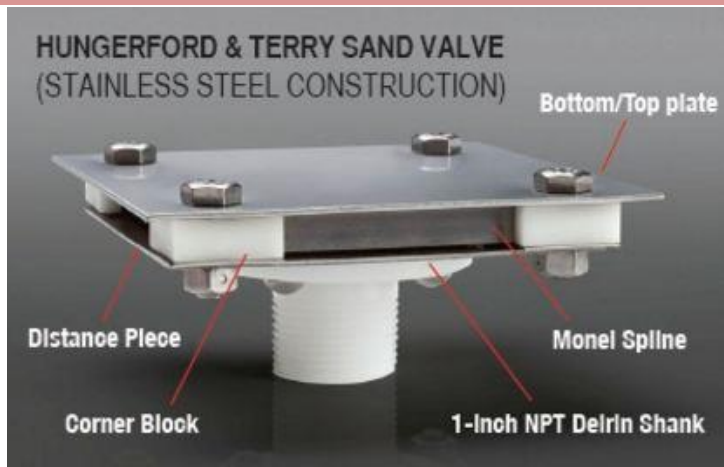
- 1” NPT Delran Shank & Corner Blocks
- Flexible Monel Spline
- Stainless Steel Top & Bottom Plates and Hardware.

[www.Hungerfordterry.com](http://www.Hungerfordterry.com)

226 N. Atlantic Ave.

Clayton NJ 08312

856-881-3200

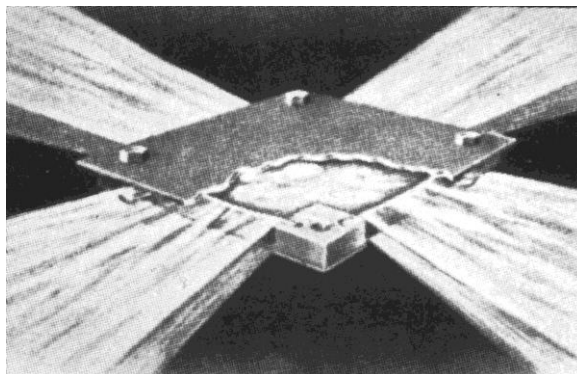


The “Self-Cleaning” Sandvalve underdrain nozzles from H&T feature patented free-floating splines around the periphery of each nozzle device. The free-floating splines which are constructed of durable Monel steel float freely between a guided path defined within the corner blocks in a manner similar to that of a sliding door through tracks.

This free movement is unlike the perforated or slotted openings found in any conventional nozzles that are subject to deposit buildup in the fixed openings and eventually clog due to the inherent design limitation.

The Monel splines of the H&T Sand Valve move freely as the water changes direction and the velocity between the filtration mode and backwash mode.

This movement serves to break up any calcification that would normally build up on any fixed opening. The H&T Sand Valves effectively clean themselves through this flexible motion for worry free performance.





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## Concrete sub-fill installation Before After



- Utilizing a concrete sub-fill preventing any “hide out” beneath the underdrain for maximum flow uniformity in both filtration and backwash modes.
- Encapsulating corrosion resistant piping in the concrete means decades of trouble free service.
- Sand Valves are placed on 15in. centers which allows for fewer valves per vessel.
- Can be used in both vertical & horizontal pressure filter designs.

