



TurfCool® Installation Instructions for Natural Grass Field Applications

For Model #TCNGQCV TurfCool® Quick Connect Valve Box

Components



TCNGQCV components

Placement

1. Remove the lid from box assembly and set aside in a secure location.
2. Establish the location of the Quick Connect Valve per plans and/or specifications. Excavate a pit approximately 19" deep for the box surrounding the valve. Excavate drainage connections adjacent to the pit if drainage connections to the box are required.

- Set the elevation of (4) concrete bricks 19” from the top side of the (4) bricks to the final grade taking into consideration the side to side location of the adjuster bolts located on the bottom side of the box (See [Diagram 1](#)).

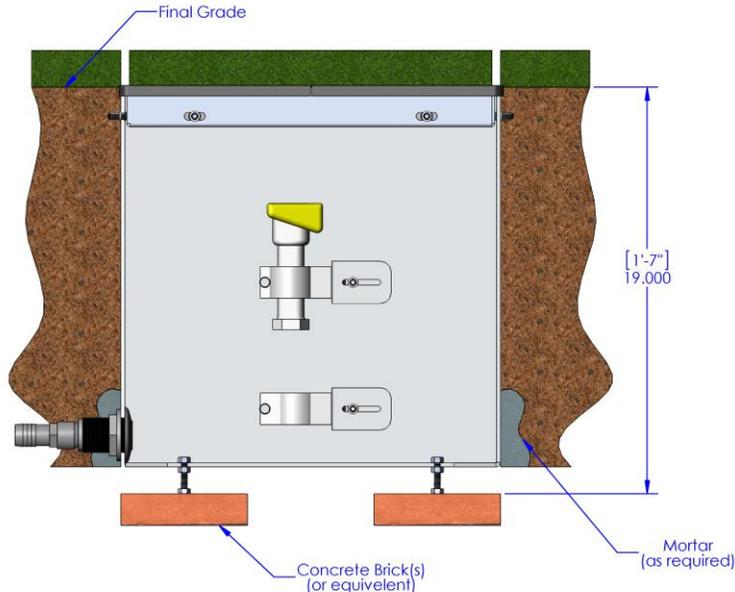


Diagram 1
TCNGQCV elevation detail.

- Secure the brick's finalized location(s) with patties of stiff mortar (or equivalent).
- Prior to setting the box into its location, determine if drainage is required. If drainage is required, the following step must be completed prior to setting the box. Locate the PVC bulkhead fitting threaded into the side of the box. During shipping, the nipple on the bulkhead fitting is oriented in "Shipping Mode" to prevent damage (See [Diagram 2](#)). Unthread the bulkhead fitting, reverse orientation, and secure the fitting back into position with the nipple oriented to the outside of the box. Remove the red vinyl plug and discard. Disregard this entire step if drainage is **NOT** required.



Diagram 2
Typical Bulkhead fitting detail.

6. Orient box with the mating drainage connection and place the box onto the concrete bricks. Adjust elevation and levelness using adjuster bolts located on the bottom side of the box. The correct elevation is determined by the top side of the box to be flush with the field grade. Secure bolts to hold final adjustments. Connect drainage.
7. Place mortar around the outside and inside corners of the box for stability. Be sure to cover the adjuster bolt hardware with mortar to insure the permanent position of the box. The entire box does not need to be encased in concrete however it is recommended that a small amount of concrete be placed around the lower perimeter portion of the box to help maintain strength, placement and rigidity. Please consult your plans/specifications for final details.
8. Firmly secure the valve body into the supplied pipe clamps inside the box adjusting the mounting brackets where required. Once adjustments are completed, verify all fasteners are tightened.

Important Contractors Note

1. The TCNGQCV is not watertight therefore drainage provisions have been provided. If your TCNGQCV surrounds a potable connection, please consult the contractor/plans/specifications for any additional details that may be required to maintain a potable site.

User Instructions

1. To tap into the quick connect valve, remove lid and place to the side.
2. Connect hose to quick connect valve per valve manufactures instructions.
3. When supply hose use is no longer required, simple reverse procedure.

REPLACEMENT PARTS

Contact Sportsfield Specialties Customer Service at 1-888-975-3343 for replacement hardware.



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