



Quick Coupler, Keys and Hose Swivel Bidding Specifications

Materials

The quick coupler body, key and hose swivels shall be made from solid, cast “red-brass” for superior long-term durability. Internal spring assemblies shall be made from stainless steel to ensure long-life.

The bottom inlet of the quick couplers shall have female NPT or BSP threads of the following sizes: ¾”, 1” & 1-1/2”.

Body construction shall be single piece with a single slot. Quick couplers shall have a yellow vinyl, non-locking cover.

Quick coupler keys shall have a single lug with a three-eighths (3/8”) round diameter galvanized steel handle of approximately four inches (4”) long. The mating end of the handle shall be machine threaded to mate with the quick coupler key body. The keys shall come in various sizes having a MPT or BSP thread to a FPT to be compatible with a hose thread.

Quick coupler hose swivels shall also be constructed of solid, cast “red-brass” with machined inlet threads with FPT or FBSP to mate with a corresponding sized quick coupler key having an outlet thread of MHT or MBHT as specified.

Quick couplers, keys and hose swivels shall provide reliable and consistent performance up to 150 psi.

Installation

Quick couplers shall be located within a valve box per the installation details. Recommended installation shall be with a swing joint of a specified material (ductile iron or PVC) having the same inlet size and threads as the quick coupler inlet. Quick couplers shall be installed in a vertical and horizontal level position within 2” of the underside of the valve box cover. The quick coupler must be held in this position per the installation details. This may require incorporating a ferrous “anchor”, backfill and/or horizontal brackets as part of the valve box assembly supporting the quick coupler in two perpendicular directions.

Care shall be taken to avoid allowing any backfill material to accumulate inside of the quick coupler “throat” that might interfere with its ability to operate.

The quick coupler, key, and hose swivel sold and distributed by Underhill International Corporation, Lake Forest CA.