

Installation Instruction

BCK Series Non-Retractable Injection Quill

IMPORTANT NOTICE – READ CAREFULLY BEFORE INSTALLATION

This injection quill is designed to deliver a solution feed to the interior of a pressurized water/process main. The following precautions should be taken to ensure proper and safe installation.

Precautions:

- *Become familiar with the components of this injector as listed.*
- *Verify that the injector being installed is compatible with the intended chemical feed.*
- *Make sure to use the correct hex when using a wrench to install.*

Installation Instructions

CAUTION: TAKE CARE NOT TO OVERTIGHTEN PVC HOUSINGS. DAMAGE CAUSED BY OVERTIGHTENING VOIDS WARRANTY.

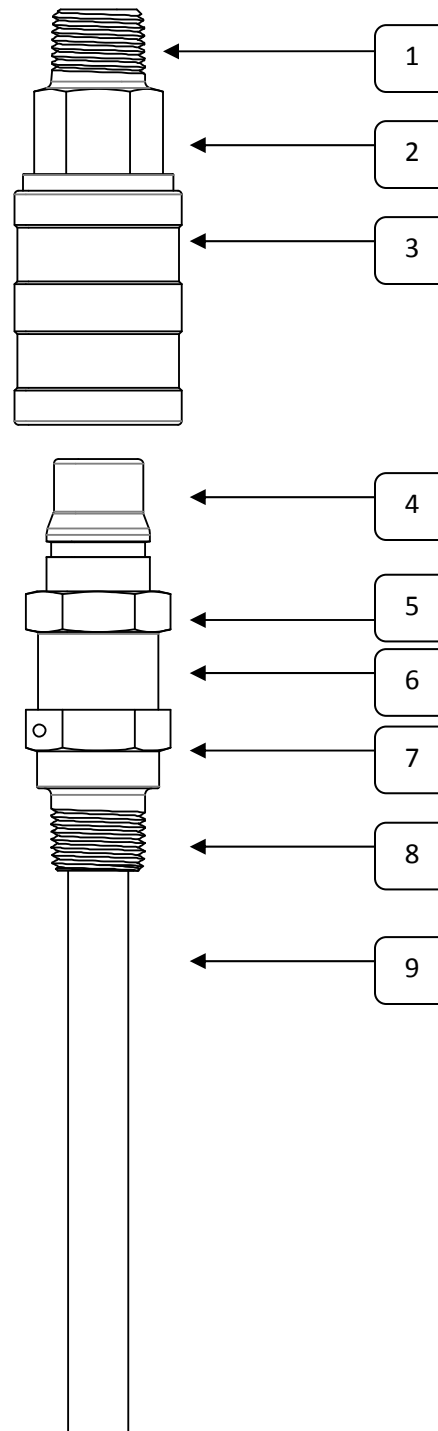
1. Apply Teflon thread tape or suitable sealant to the *Main Connection Thread* of the injector.
2. Thread the quill into the main using the lower hex (See *Component 4*) into the service tap.
3. Connect chemical feed line to inlet thread located on the Female Half of the Quick Release Coupler.

Disconnecting the Quick Release Coupling

1. Pull back on the outer ring of the Female Half of the Quick Release Coupler
2. While pulling back on the outer ring lift the Female Half up off the Male Half Nipple.

Connecting the Quick Release Coupling

1. Pull back on the outer ring of the Female Half of the Quick Release Coupler.
2. While pulling back on the outer ring push the Female Half down onto the Male Half Nipple. Once seated release the outer ring to lock the coupler into position.



Components

Female Half Quick Release Coupler

1. Inlet Thread
2. **DO NOT use wrench on this hex**
3. Outer Ring

Male Half Quick Release Coupler

4. Male Half Nipple
5. **DO NOT use wrench on this hex**

Quill Housing

6. Integrated Spring Loaded Ball Check Valve
7. Installation Hex, use to tighten during install
8. Main Connection Thread
9. Solution Tube

Suggested Maintenance

- Scaling and blockage can occur depending on the chemistry of the application and will vary.
- The Quick Release Coupling halves, Solution Tube, and check valve internals should be inspected regularly to ensure that scale is not impeding operation.

Removing Scale from the Solution Tube

WARNING: TAKE ALL NECESSARY PRECAUTIONS TO PROTECT AGAINST CHEMICAL WHEN CLEANING THE SOLUTION TUBE.

Many instances of scale can be cleaned by soaking the solution tube in warm water and then working the scale free. Where feasible, a rod or brush can be used to clear out scale from I.D. of the solution tube.

If scale build up cannot be adequately or safely removed replacement components and check valve repair kits can be ordered.

WARRANTY - READ BEFORE INSTALLING

All merchandise is warranted to be free from defects in material and factory workmanship. We will provide free of charge new products in equal quantities for any that prove defective within one year from date of shipment from our factory. Manufacturer shall not be liable for any loss, damage, or injury, direct or consequential, arising out of the use of or the inability to use the product. Before using, user shall determine the suitability of product for his intended use and user assumes all risk and liability whatever in connection therewith. No claims for labor or consequential damage will be allowed. The foregoing may not be changed except by agreement signed by an officer of the manufacturer.

DAMAGE CAUSED BY IMPROPER TOOLS OR HANDLING WILL VOID THE WARRANTY

**For installation questions and assistance
contact customer service at
1-800-957-2383.**



INSTRUCTION MANUAL

**Non-Retractable Injection Quill with Quick Release
Coupler
150psi rated**

**Applies to BCK Series
(BCK-50 and BCK-75)**

Rev 01/05/2011



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