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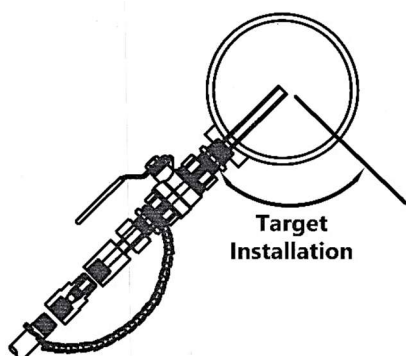
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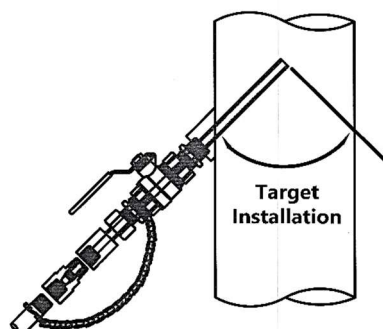
Corporation Stop Instruction Sheet

The Corporation Stop is manufactured in several different pipe sizes; standard sizes are ½" NPT, ¾" NPT and 1" NPT (other sizes available upon request). This provides two separate advantages over a simple tap connection into large main pipes, for example;

1. The Quill Assembly may be extended for injection near the center of a large main for more effective chemical dispersion.
2. The Quill Assembly may be withdrawn and the Corporation Stop closed without interrupting the use of the main. A typical installation style is shown below:



Horizontal Pipe Installation



Vertical Pipe Installation

To ensure proper operation, these units should be installed below the horizontal centerline of the main so that their cross-section position in the main will correspond between the 4:00 and 8:00 position below center as shown above.

The installation orientation is important to allow the quill to operate properly. Typically, the chemical being injected is heavier than the process. When the chemical is not pumping, the chemical will stay inside the quill. This prevents the chemical from reacting with the process inside the quill or against the ball check which can cause chemical precipitation. This reaction forms an insoluble solid and heat buildup that can prevent the check from seating properly, causing leaks or getting stuck and interrupting the flow.

**WARNING: BE SURE TO SECURELY TIGHTEN THE COMPRESSION FITTING
AFTER FULLY INSERTING THE QUILL ASSEMBLY.**

	PART NUMBERS with Brass Valve					Temperature and Pressure Rating	
Wetted Material (Quill)	Process Connection Size (MNPT)			Insertion Length 1/2" & 3/4" 1"		Max Temp	Max Press. (psi)
	½"	¾"	1"				
316 Stainless Steel	CS-050-316	CS-075-316	CS-100-316	8 ½"	7 5/8"	250°F (121°C)	150
CPVC	CS-050-PVC	CS-075-PVC	CS-100-PVC	8 ½"	7 5/8"	190°F (65°C)	125
Kynar	CS-050-KY	CS-075-KY	CS-100-KY	8 ½"	7 5/8"	200°F (93°C)	150
Alloy 20	CS-050-C20	CS-075-C20	CS-100-C20	8 ½"	7 5/8"	250°F (121°C)	150
Hastelloy C 276	CS-050-Hastelloy	CS-075-Hastelloy	CS-100-Hastelloy	8 ½"	7 5/8"	250°F (121°C)	150
Titanium Gr. 2	CS-050-Titanium	CS-075-Titanium	CS-100-Titanium	8 ½"	7 5/8"	250°F (121°C)	150