



# INJECTION QUILL INSTRUCTION SHEET

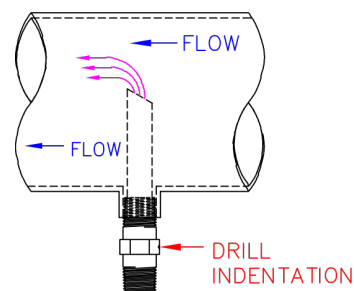
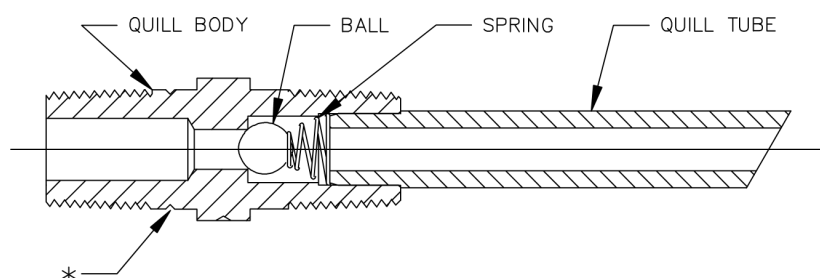
Neptune Injection Quills are designed to insure rapid dispersal of injected chemicals. The quills are available in a variety of materials of construction and pressure ranges as shown below. All quills include a check valve which prevents backflow. (Exception: "QB" models)

The quills should be installed using the appropriate piping compound or teflon tape. Install the quill pointing upward, in a position between 4:00 and 8:00 o'clock in the pipe to allow gravity to assist the check valve in seating. Spring loaded models may be installed in other positions if necessary.

## Instructions for use:

- A. For lines smaller than 4" diameter, trim quill so chemical is released near center of line. Use as is for lines over 4" in diameter.
- B. Install with "telltale" drill indentation facing upstream so flow strikes angled face at end of quill for most rapid dispersal of injected chemical.
- C. For maintenance ease, installation of an isolation valve rated above line operating pressure immediately behind the quill is required.

Carpenter 20 models are marked with a material identification groove cut around quill body as indicated by an asterisk.



Model *	Quill Body	Quill Tube	Spring	Ball	Maximum Pressure	Maximum Temp
QC-PVC-50	PVC	PVC	Hast C	Ceramic	150 PSI	100° F ( 37° C)
QC-PVC-75	PVC	PVC	Hast C	Ceramic	150 PSI	100° F ( 37° C)
QC-316-50	316SS	316SS	Hast C	316SS	3000 PSI	750° F (400° C)
QC-316-HPSE †	316SS	316SS	Hast C	316SS	3000 PSI	750° F (400° C)
QC-316-75	316SS	316SS	Hast C	316SS	3000 PSI	750° F (400° C)
QC-C20-50	C-20	C-20	Hast C	C-20	3000 PSI	750° F (400° C)
QC-KY-50	Kynar	Kynar	Hast C	Ceramic	150 PSI	200° F ( 93° C)
QC-KY-75	Kynar	Kynar	Hast C	Ceramic	150 PSI	200° F ( 93° C)

† Model QC-316-50 with slotted end.

\* "QB" models do not have a ball or spring



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