

Injection Quill Instruction Sheet

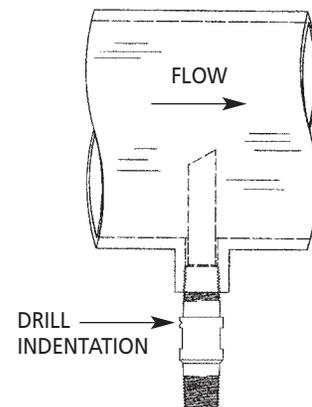
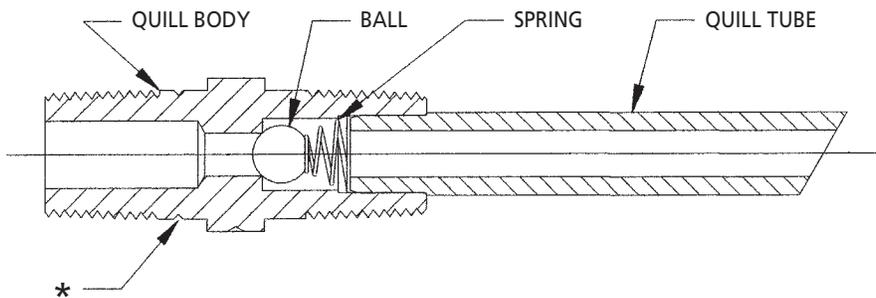
Neptune Injection Quills are designed to insure rapid dispersal of injected chemicals. The quills are available in a variety of materials of construction and pressure ranges as shown below. All quills include a check valve which prevents backflow.

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:

- 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.
- Install with "telltale" drill indentation facing upstream so flow strikes angled face at end of quill for most rapid dispersal of injected chemical.
- 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.