

Corporation Stops & Injection Quills



APEX
WATER + PROCESS



Where Innovation Flows

Neptune



Corporation Stops with Injection Quills are used for injecting chemicals pumped by metering pumps into tanks, mains, cooling towers and process systems. Because quills extend into the center of the stream, they provide more rapid, uniform dispersion of injected chemicals.

Corporation Stops can be mounted to a "hot tap" which will allow an injection quill to be inserted or removed without having to drain or shut down the system.

High-Pressure Injection Quills are used to inject chemicals pumped by metering pumps into the turbulent flow zone of high-pressure water or steam lines.

CORPORATION STOPS

- Available with choice of brass or 316SS valves
- Max pressure up to 150 psi (10.3 bar)
- Materials of construction: CPVC, PVDF, 316SS and C-20
- Standard sizes include 1/2", 3/4" or 1" process connections

HIGH-PRESSURE INJECTION QUILLS

- Spring-loaded check valve
- Max pressure up to 3,000 psi (207 bar)
- Materials of Construction: PVC, PVDF, 316SS and C-20

Corporation Stops with Injection Quills

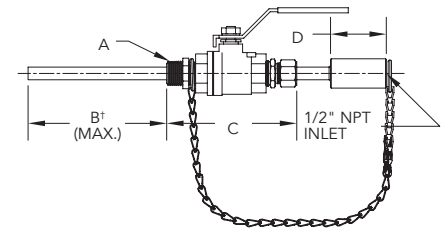
AVAILABLE WITH BRASS OR 316SS VALVES



MODEL W/ BRASS VALVE	MODEL W/ 316SS VALVE	MATERIAL OF CON- STRUCTION	MAX PRESSURE PSI (BAR)	MAX TEMP °F (°C)	CONNECTION SIZE NPT	DIMENSIONS INCHES (MM)			
						A	B	C	D
CS2-50-PVC	CS2-SS-50-PVC	CPVC	125 (8.6)	100 (37.8)	1/2	7-3/4 (196.9)	5-1/4 (133.4)	2 (50.8)	
CS2-75-PVC	CS2-SS-75-PVC	CPVC	125 (8.6)	100 (37.8)	3/4*	7-3/4 (196.9)	5-1/4 (133.4)	2 (50.8)	
CS2-100-PVC	CS2-SS-100-PVC	CPVC	125 (8.6)	100 (37.8)	1*	7-1/4 (184.2)	6-1/4 (158.8)	1-1/2 (38.1)	
CS2-50-KY	CS2-SS-50-KY	PVDF	150 (10.3)	200 (93.3)	1/2	7-3/4 (196.9)	5-1/4 (133.4)	2-3/8 (60.3)	
CS2-75-KY	CS2-SS-75-KY	PVDF	150 (10.3)	200 (93.3)	3/4	7-3/4 (196.9)	5-1/4 (133.4)	2-3/8 (60.3)	
CS2-100-KY	CS2-SS-100-KY	PVDF	150 (10.3)	200 (93.3)	1	6-3/4 (171.5)	6-1/4 (158.8)	2 (50.8)	
CS2-50-316SS	CS2-SS-50-316SS	316SS	150 (10.3)	250 (121.1)	1/2	7-1/2 (190.5)	5-1/4 (133.4)	2-3/8 (60.3)	
CS2-75-316SS	CS2-SS-75-316SS	316SS	150 (10.3)	250 (121.1)	3/4	7-1/2 (190.5)	5-1/4 (133.4)	2-3/8 (60.3)	
CS2-100-316SS	CS2-SS-100-316SS	316SS	150 (10.3)	250 (121.1)	1	6-1/2 (165.1)	6-1/4 (158.8)	2-3/8 (60.3)	
CS2-50-C20	CS2-SS-50-C20	C-20	150 (10.3)	250 (121.1)	1/2	6-1/2 (165.1)	5-1/4 (133.4)	2-3/8 (60.3)	
CS2-75-C20	CS2-SS-75-C20	C-20	150 (10.3)	250 (121.1)	3/4	7-1/2 (190.5)	5-1/4 (133.4)	2-3/8 (60.3)	
CS2-100-C20	CS2-SS-100-C20	C-20	150 (10.3)	250 (121.1)	1	6-1/2 (165.1)	6-1/4 (158.8)	2-3/8 (60.3)	

*AWWA process connection available. Add "-AWWA" to end of model no.
 †Special lengths are available up to 24" (610 mm) for CPVC & PVDF; up to 36" (914 mm) for 316SS & C-20. Add "-SP" to end of model no.

MODEL CS2-75-PVC



FEATURES AND BENEFITS

- Lever-operated stop eliminates the need for a wrench
- Protection chain prevents withdrawal before Corporation Stop is closed
- 1/2" female inlet connection on all models

RECOMMENDATIONS

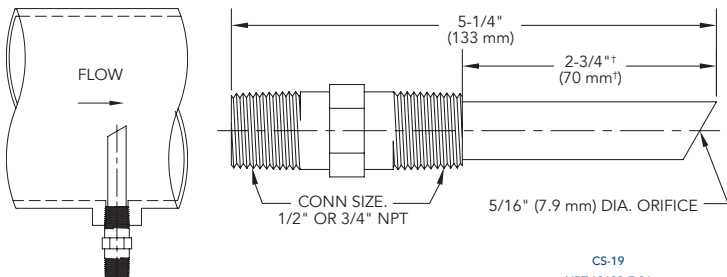
- Install a check valve and isolation valve at inlet of quill for ease of maintenance.

High-Pressure Injection Quills

AVAILABLE WITH OR WITHOUT CHECK VALVES

MODEL W/ CHECK VALVE	MODEL W/O CHECK VALVE	MATERIAL OF BODY	MATERIAL OF CHECK	MATERIAL OF SPRING	MAX PRESSURE PSI (BAR)	MAX TEMP °F (°C)	CONNECTION SIZE NPT INCHES
QC-PVC-50	QB-PVC-50	PVC	Ceramic	C-276	150 (10.3)	100 (37.8)	1/2
QC-PVC-75	QB-PVC-75	PVC	Ceramic	C-276	150 (10.3)	100 (37.8)	3/4
QC-316-50	QB-316-50	316SS	316SS	C-276	3,000 (206.8)	750 (398.9)	1/2
QC-316-75	QB-316-75	316SS	316SS	C-276	3,000 (206.8)	750 (398.9)	3/4
QC-316-HPSE*	—	316SS	316SS	C-276	3,000 (206.8)	750 (398.9)	1/2
QC-C20-50	QB-C20-50	C-20	C-20	C-276	3,000 (206.8)	750 (398.9)	1/2
QC-KY-50	QB-KY-50	PVDF	Ceramic	C-276	150 (10.3)	200 (93.3)	1/2
QC-KY-50T	—	PVDF	PTFE	C-276	150 (10.3)	200 (93.3)	1/2
QC-KY-75	QB-KY-75	PVDF	Ceramic	C-276	150 (10.3)	200 (93.3)	3/4

*Has slotted end
 †Special lengths are available up to 24" (610 mm). Add "-SP" to end of model no.



MODEL QC-316-50

FEATURES AND BENEFITS

- Available with spring-loaded check valve (QC) or no spring-loaded check valve (QB) options

RECOMMENDATIONS

- For lines smaller than 4" diameter, trim quill so chemical is released near center of line. Use as-is for lines over 4" diameter.
- Install with "Telltale" V-notch 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 recommended.

Where Innovation Flows



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