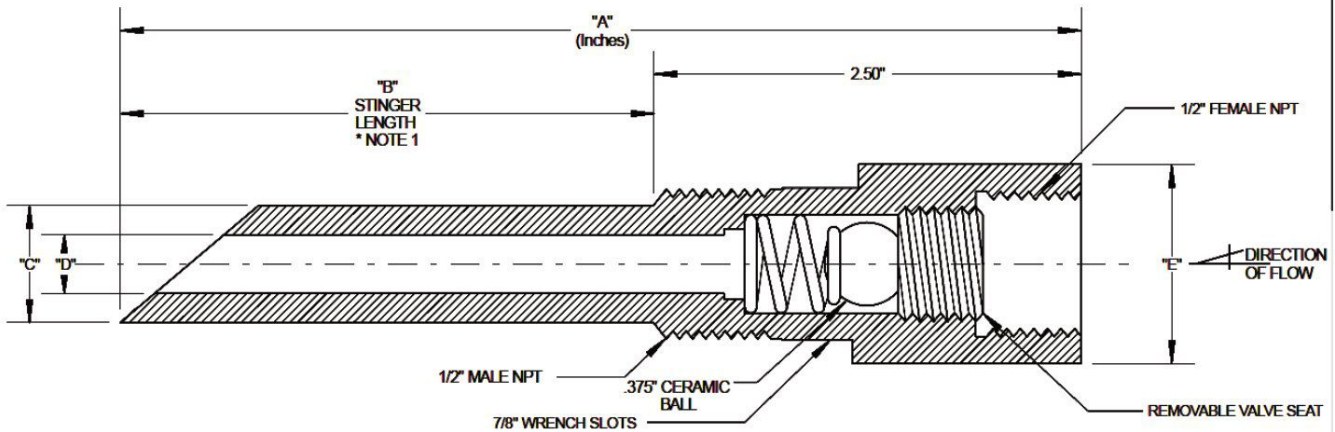


Chemical Injection Valves & Quills

Koflo Chemical Injection Quills



Koflo Chemical Injection Quills are used to introduce medium to highly corrosive chemicals into a pipeline without damage to the side port or pipe wall at the point of injection. Chemical injection quills insure that chemicals are evenly dispersed into the center of the pipeline, which prevents channeling of the chemical down the pipe wall. The body and stinger are both constructed of chemical resistant plastics or alloys (PVC, Kynar, 316 SS, or Hastelloy C-276). Each unit comes complete with an integral removable spring loaded ball check to prevent flow of the injected chemical into the main flow when the system is shut down. Injection quills with stinger lengths of 3" and 5" are available from stock.* All injection quills come with FNPT x MNPT connections for ease of installation.



MODEL	CONN. SIZE	"A"	"B"	"C"	"D"	"E"	BODY MATERIAL	SPRING MATERIAL	BALL MATERIAL	PRESSURE MAX (PSIG)	TEMP MAX. (°F)
QP-.5-3	1/2"	5.5"	3"	.575"	.250"	1.125"	PVC	Hastelloy C	Ceramic	150	140
QP-.5-5	1/2"	7.5"	5"	.575"	.250"	1.125"	PVC	Hastelloy C	Ceramic	150	140
QK-.5-3	1/2"	5.5"	3"	.575"	.250"	1.125"	Kynar	Hastelloy C	Ceramic	150	280
QK-.5-5	1/2"	7.5"	5"	.575"	.250"	1.125"	Kynar	Hastelloy C	Ceramic	150	280
QS-.5-3	1/2"	5.5"	3"	.530"	.350"	1.125"	316 SS	Hastelloy C	Ceramic	3000	500
QS-.5-5	1/2"	7.5"	5"	.530"	.350"	1.125"	316 SS	Hastelloy C	Ceramic	3000	500
QH-.5-3	1/2"	5.5"	3"	.530"	.350"	1.125"	Hastelloy C	Hastelloy C	Ceramic	3000	500
QH-.5-5	1/2"	7.5"	5"	.530"	.350"	1.125"	Hastelloy C	Hastelloy C	Ceramic	3000	500

Notes:

- Note 1: THE CRACKING PRESSURE FOR INJECTION QUILLS IS APPROXIMATELY 50 PSI
- LENGTH OF CUSTOM STINGERS IS DETERMINED BY THE LAST NUMERICAL DIGIT IN THE MODEL CODE
- Maximum pressures stated above at 70°F
- Longer stinger lengths available, please consult your Fabco Representative

Chemical Injection Valves & Quills

Hayward IV SERIES Injection Valves & IQ SERIES Injection Quills



VALVE AND QUILL SIZES 1/2" TO 1"

The IV Series Injection Valves and IQ Series Injection Quills facilitate injection of chemicals away from pipe or tank inner walls, ensuring rapid mixing and preventing corrosion. Each design includes a built-in ball check valve with Hastelloy C™ spring to prevent back-flow of the process liquid into the chemical feed line. Both the IV and IQ Series provide MNPT process connections with the IV featuring an union allowing the ball check to be rebuilt. All Injection Quills are available in PVC, CPVC and PVDF to match the widest range of chemicals.

KEY FEATURES AND BENEFITS

- Built-in ball check valve with Hastelloy C™ spring, with the IV check being rebuildable
- Threaded MNPT End Connections
- FPM O-Ring Seals
- 45° Bevel on Quill Tip
- Pressure rated to 150 psi @ 70°F

OPTIONS

- Flat Bevel
- BSPT or Socket End Connections
- EPDM O-Ring Seals

TYPICAL APPLICATIONS

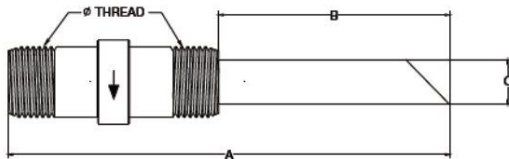
- Chemical Dosing
- Transfer and Processing
- Chlorination Systems

MATERIALS

- PVC Cell Class 12454 per ASTM D1784
- CPVC Cell Class 23447 per ASTM D1784
- PVDF
- FPM or EPDM O-Ring Seals

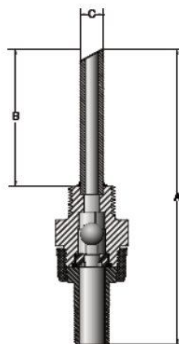
IQ SERIES PARTS LIST

1. Check Valve
2. Quill



IV SERIES PARTS LIST

1. Check Valve
2. Union Nut
3. Quill



VALVE DIMENSIONS (INCHES / MILLIMETERS)

CONNECTION SIZE in / DN	A in / mm	B in / mm	C in / mm
1/2 / 15	8.50 / 216	4.00 / 102	0.54 / 14
3/4 / 20	8.50 / 216	4.00 / 102	0.67 / 17
1 / 25	8.50 / 216	4.00 / 102	0.84 / 21

QUILL DIMENSIONS (INCHES / MILLIMETERS)

CONNECTION SIZE in / DN	A in / mm	B in / mm	C in / mm
1/2 / 15	5.50 / 140	3.00 / 76	0.54 / 14
3/4 / 20	6.10 / 155	3.00 / 76	0.67 / 17
1 / 25	7.90 / 200	4.00 / 102	0.84 / 21