

IQ SERIES INJECTION QUILL

SIGMAMOTOR

For safe delivery of chemicals into pipelines

Features

SIGMAMOTOR IQ Series Injection Quills are used to provide safe delivery of chemicals into pipelines. The quill end ensures the dispersion of the chemicals away from the pipe wall.

The integral spring loaded check valve prevents back-flow from the pressurized pipe if there is a break in the discharge piping.

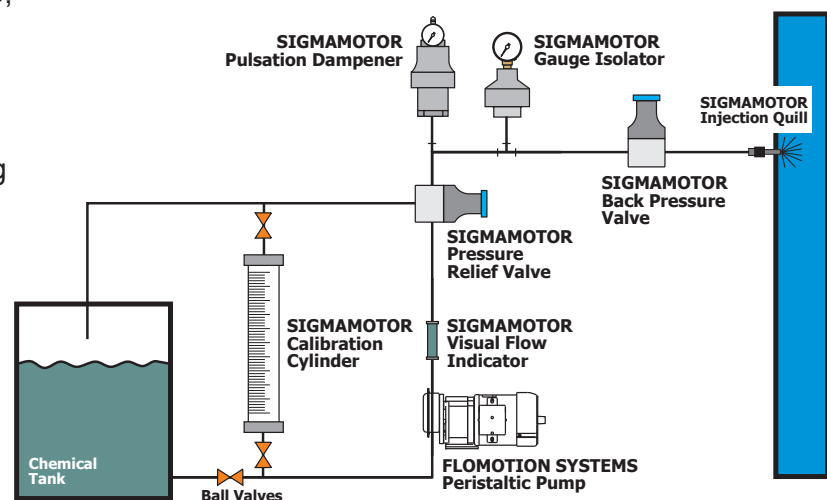
A union connection on the inlet allows for ease of installation and maintenance of the replaceable ball and o-ring.



Specifications

- Available in PP, PVC, PTFE, CPVC, Kynar® PVDF, 316 SS, Alloy 20 or HASTELLOY C276
- Removable check valve seat
- Teflon ball (316SS optional)
- Union inlet w/ Viton or EPDM o-ring
- Pressures to 150 psi (plastic), 350 psi (SS).
- Temperatures to 500° F
- Inlet tubing connector options available
- NPT process connections
- 4" quill length standard
- Overall length 8.25"

Typical System Block Diagram



CHEMICAL FEED ACCESSORIES

INJECTION QUILL - HOW TO ORDER

IQ: - - - -
 1 2 3 4 5

Example: IQ-N-500-P-V-M

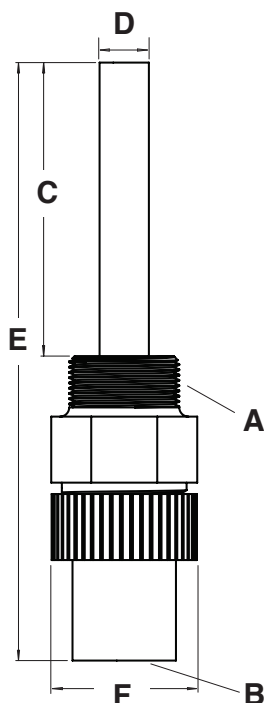
INLET CONNECTION TYPE 1	
NPT	N
SOCKET	S

SIZE 2			
SELECT:	500	750	100
SIZE (in)	1/2	3/4	1
A-Process Connection MNPT (in)	1/2	3/4	1
B-Inlet FNPT (in)	1/2	3/4	1
C-Quill Length (in)	4.2	4.2	5.0
D-Quill O.D. (in)	0.54	0.67	0.84
E-Overall Length (in)	8.1	8.1	9.0
F-Diameter (in)	2.0	2.0	2.75

INLET CONNECTION MATERIAL 3	
PVC	P
POLYPROPYLENE	PP
CPVC	CP
PTFE	T
Kynar® PVDF	K
316 SS	S
ALLOY 20	A
HASTELLOY C276	H

O-RING MATERIAL 4	
VITON	V
EPDM	E

DIMENSIONS



OPTIONS 5	
INLET MALE NPT	M
316 STAINLESS STEEL BALL	S
NONE	X

FLOMOTION SYSTEMS Inc.
 165 Creekside Drive, Suite 112
 Buffalo, NY 14228
 Tel: 716-691-3941
 Fax: 716-691-1253
 Email: info@flomotionsystems.com
www.flomotionsystems.com

