

# KENCO CHEMICAL INJECTORS

**NEW!** U.S. Patent # 7,137,569



## INDUSTRIES SERVED

- Natural Gas Transmission and Distribution
- Oil and Gas Production and Refining
- Petrochemical
- Water Treatment
- Fluid Processing
- Pulp & Paper Processing



## KENCO CHEMICAL INJECTORS

### APPLICATION

Kenco chemical injectors are designed to inject and properly atomize corrosive chemicals into the turbulent stream of a process system pipeline. The Kenco chemical injector will minimize the possibility of corrosive chemical build-up on the walls of the pipeline.

### FEATURES

- Unique aspirator tip design on injector disperses chemical evenly into process stream and away from pipe walls
- Check valve in injector eliminates backflow
- Injector is ideal for high pressure applications up to 6000 psig
- Injector has been designed so that it can be mounted in any orientation
- Standard insertion lengths available from 3" up to 24" long. Custom sizes also available.
- Injector available in 316 SS, Hast C-276, and CPVC
- Standard Injector chemical feed port is 1/2" NPT

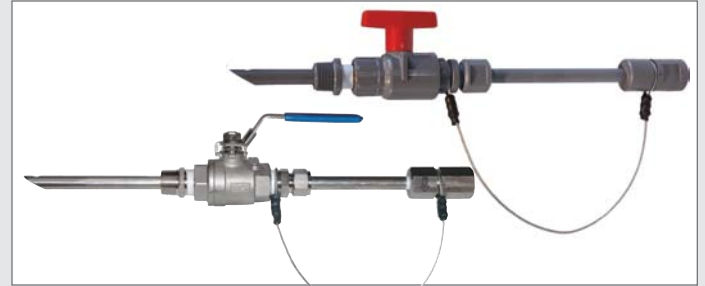
### MINI-INJECTOR

- "Mini" injector assembly atomizes chemical in smaller pipelines up to 3 1/2" NPT
- Injector chemical feed port is 1/8" or 1/4" NPT

### SPECIFICATIONS

#### PRESSURE AND TEMPERATURE SPECIFICATIONS:

Injector Material	Maximum Working Pressure	Maximum Operating Temperature
316 SS	6000 psi	800°F
Hast C-276	6000 psi	800°F
CPVC	340 psi at 73°F; 150 psi at 150°F	200°F 210°F



## KENCO RETRACTABLE INJECTORS

### APPLICATION

Kenco retractable injectors allow for injector insertion or removal without interrupting the main process in the pipeline.

### FEATURES

- Unique aspirator tip design on injector disperses chemical evenly into process stream and away from pipe walls
- Ball valve assembly isolates pipeline from injector assembly when injection is not required
- Compression seal holds the assembly from back pressure
- Safety line prevents the injector assembly from being completely withdrawn and protects against blowout
- Standard ball valve assembly is brass. Also available in 316 SS, Alloy 20, and CPVC. Standard retractable injector is CPVC. Also available in 316 SS, and Hast C-276.
- Optional spring loaded check valve available in 316 SS, Hast C-276, and CPVC. Check valve available with body bleed valve.

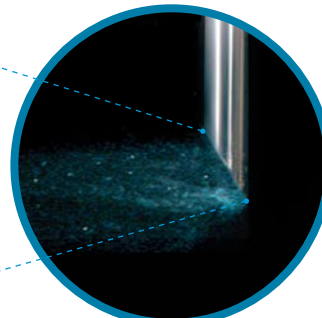
### SPECIFICATIONS

#### PRESSURE AND TEMPERATURE SPECIFICATIONS:

Valve Material	Maximum Working Pressure	Maximum Operating Temperature*
Brass	500 psi	up to 350°F
316 SS	1440 psi	up to 475°F
Alloy 20	1440 psi	up to 400°F
CPVC	235 psi at 73°F 110 psi at 150°F	200°F 210°F

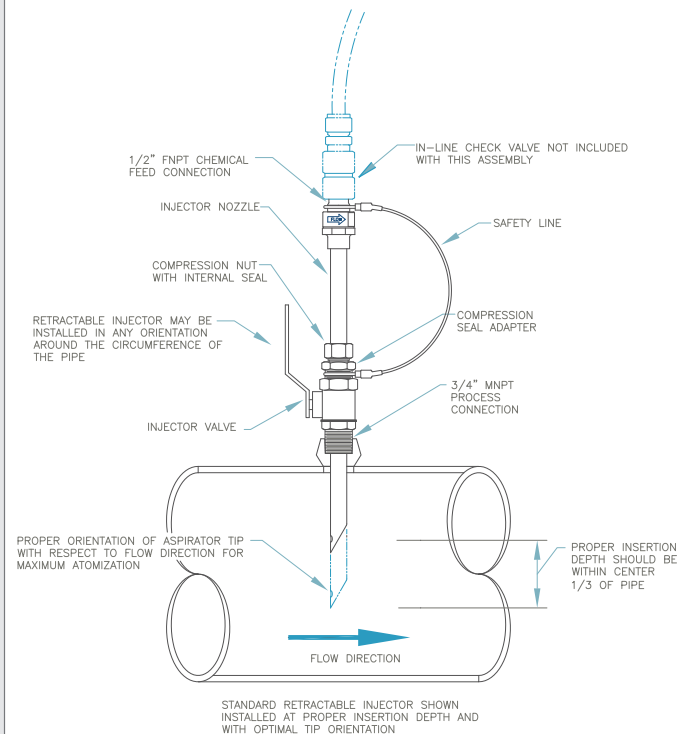
\* Note: maximum operating temperature dependent on compression seal material

KENCO Chemical Injectors have a unique design that has been engineered to minimize the possibility of corrosive chemical build-up on the walls of the pipeline.

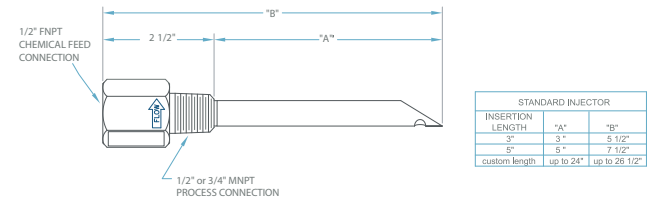


This photograph of a KENCO injector illustrates the misting created by the unique design.

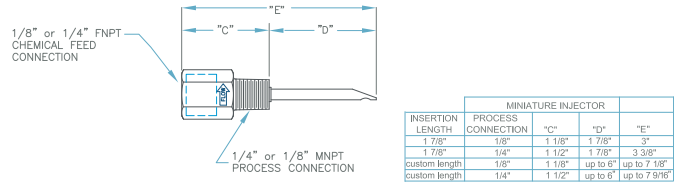
## KRINJ RETRACTABLE INJECTOR TYPICAL USE



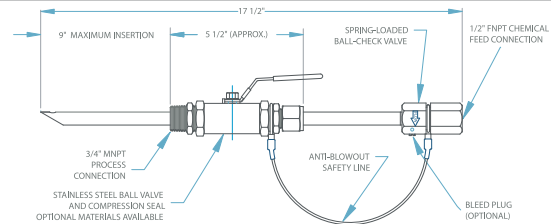
## KINJ CHEMICAL INJECTOR



## KINJM MINIATURE INJECTOR



## KRINJ RETRACTABLE INJECTOR W/CHECKVALVE



## ORDERING SYSTEM

### Kenco Chemical Injectors

REQUESTED BY: \_\_\_\_\_ COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_ CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_

### KINJ

#### Injector Style

KINJ = Standard Injector

### 75

#### Process Connections

50 = 1/2" NPT  
75 = 3/4" NPT

#### Material of Construction

S6 = 316 Stainless Steel (Standard)  
HC = Hastelloy C 276 w/ceramic ball  
CP = CPVC w/ceramic ball

#### Insertion Length (inches)

L3 = 3" for 4" to 6" O.D. pipelines  
L5 = 5" for 8", 10" & 12" O.D. pipelines  
\* L( ) = custom length up to 24" (6"-24")  
indicate desired length in box above

### KINJM

#### Injector Style

KINJM = Mini Injector

#### Process Connections

125 = 1/8" NPT  
250 = 1/4" NPT

#### Material of Construction

S6 = 316 Stainless Steel (Standard)  
HC = Hastelloy C 276 w/ceramic ball

#### Insertion Length (inches)

\* L( ) = custom length up to 6"  
indicate desired length in box above

### KRINJ

#### Injector Style

KRINJ = Retractable Injector

#### Process Connections

75 = 3/4" NPT

#### Material of Construction (Injector)

CP = CPVC (Standard)  
S6 = 316 Stainless Steel  
HC = Hastelloy C 276

#### Insertion Length (inches)

11.875 = Standard w/o Check Valve  
10.75 = Brass Valve  
9.00 = Stainless Steel and Hastelloy Valve  
8.50 = CPVC Valve  
\* L( ) = custom length  
indicate desired length in box above

#### Material of Construction (Valve)

B = Brass (Standard)  
S6 = 316 Stainless Steel  
A2O = Alloy 20  
CP = CPVC

#### Check Valve

N=None  
CVB = Check Valve: w/Body Bleed  
CVN = Check Valve; no/Body Bleed

#### Compression Seal Material

B=Buna-N (Standard)  
V=Fluorocarbon  
A= Aflas  
E=Ethylene Propylene  
K=Kalrez

**\* Ball check spring material on all applicable models is Inconel.**

**Other ball check spring materials available (consult factory for options)**

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