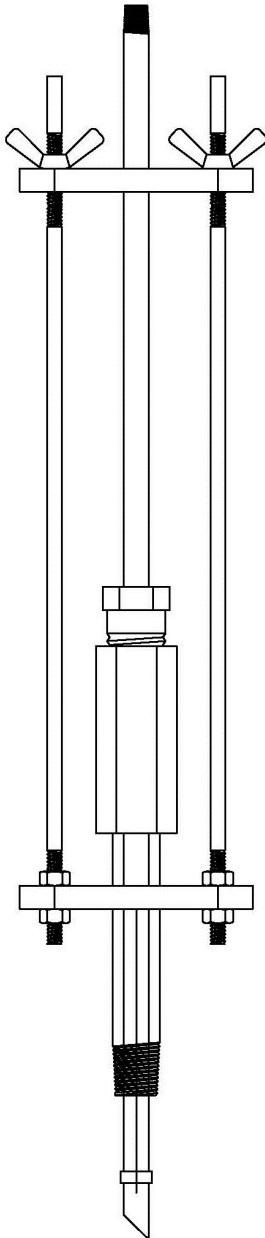


HIGH PRESSURE RETRACTABLE INJECTOR FOR HIGH PRESSURE AND SEVERE SERVICE APPLICATIONS



The Inyo Retractable quill Injector allows for chemical injection and sampling applications at pressures up to 1800 psi and temperatures to 550 degrees F

The standard installation allows for insertion depths of 6 and 12". With a wide range of injector/nozzle and end configurations, this robust system can easily be adapted to meet your most demanding applications.

Features

Easy insertion and retraction allows for inspection or replacement without shutting down the process pipeline

The external frame allows for precise depth and orientation of the quill

Maximum flexibility. The injector can be configured for your special applications

Adaptable to both liquid and gas stream applications

Inconel/graphite packing provides durable service under severe conditions

Applications:

Injection of corrosion inhibitors into pipelines

Atomizing liquid into gas streams

Sampling systems

SPECIFICATIONS

Insertion quill diameter 1/4" I.D. [6 mm]

available in 316 SS or Hastelloy C-276

Support Hardware Stainless Steel

Gland and injector body: Carbon Steel

Packing: Graphite with Inconel support wire

Note: Injector should be connected to a gate valve (gate valve to be provided by others)

Ordering information on next page

**MODEL NUMBER
EXAMPLE "HP6SB "**



HP 6 S B

| LENGTH RETRACTABLE QUILL (in) | |
|---|----|
| 6" | 06 |
| 12" | 12 |
| Other lengths and configurations are available. | |
| Contact Inyo Process for | |

| SOLUTION TUBE MAT'L | |
|-------------------------------|---|
| 316 STAINLESS STEEL | S |
| HASTELLOY C-276 | H |
| Other Materials are available | |

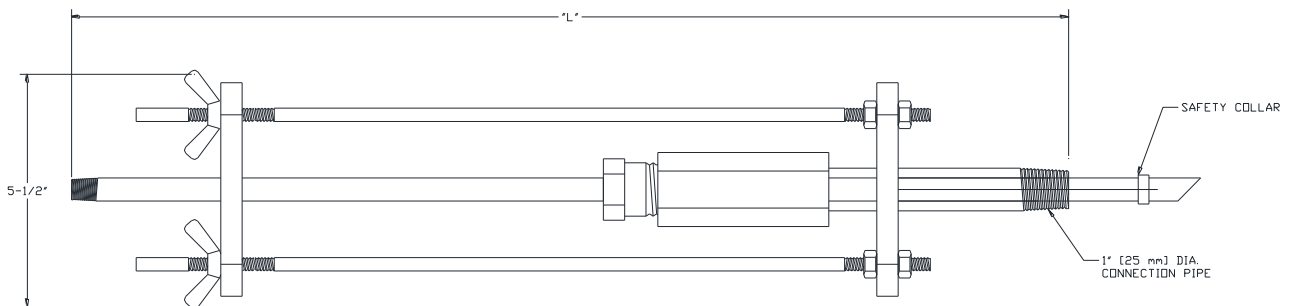
| END FITTING | |
|------------------|-----|
| BAYONET | B |
| BAYONET/ SLOTTED | BS |
| NOZZLE | N |
| NOZZLE @ 90° | N90 |

| OPTIONAL SOLUTION TUBE CONNECTION END FITTING | |
|---|----------------------------------|
| NPT | Standard (No letters are needed) |
| BSP | ADD "BSP" to end of part number |

| Typical End Fitting Applications | |
|----------------------------------|--|
| BAYONET | Liquid into Liquid including: Injection of Oxygen Scavengers/Corrosion |
| BAYONET/ SLOTTED | Feeding Liquids into mixed gas liquid streams Examples: Injection of Oxygen /liquid Scavengers/ Corrosion Inhibitors into pipelines |
| NOZZLE | Injecting Liquid into gas streams |
| NOZZLE @ 90° | |



| Insertion Depth (in) [mm] | Overall Length "L" (in) [mm] | Width. (in) [mm] | Chemical Inlet Con- nection npt | Piping Connection npt |
|--|---------------------------------|---------------------|---------------------------------------|--------------------------|
| 6" [150] | 21 | 5-1/2" | 1/4" | 1" |
| 12 [300] | 27 | [138 mm] | | |
| Other lengths and custom configurations are available. | | | | |
| Contact Inyo Process for more information | | | | |



HIGH PRESSURE CHEMICAL INJECTION ASSEMBLY

Typical Specification (go to www.inyoprocess.com for additional specifications)

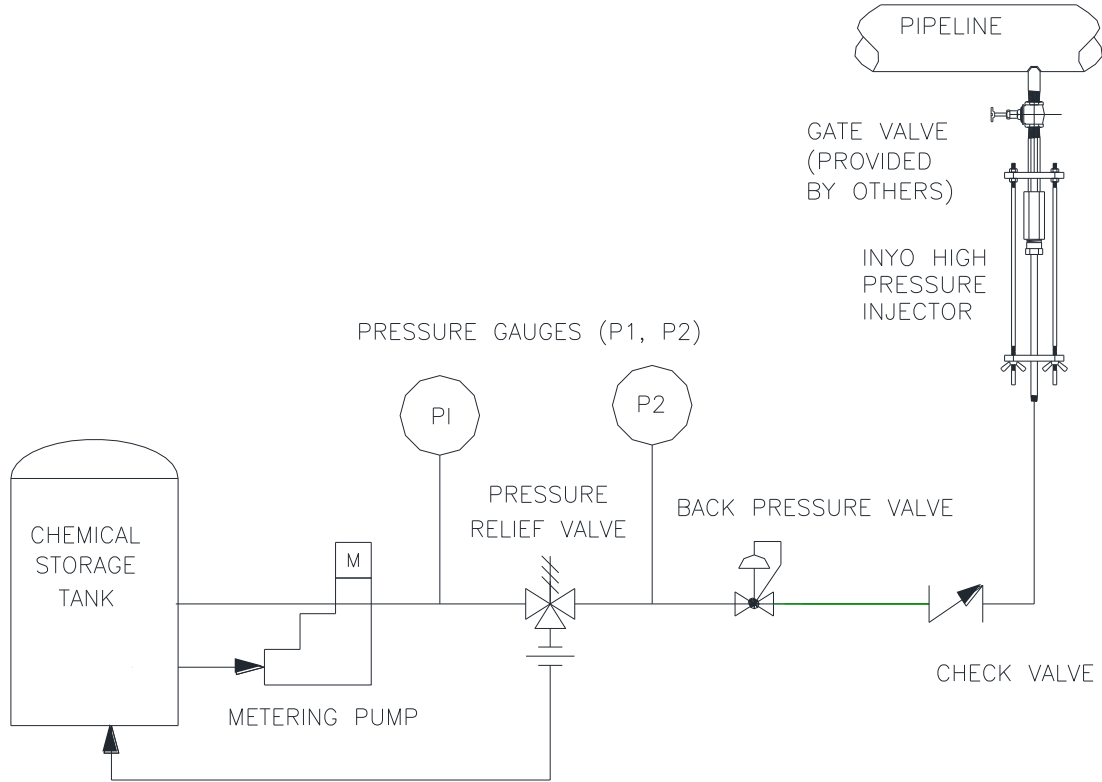
Chemical Injection Assembly

1. Rating 1800 psi.
2. Type: Retractable high pressure injection quill.
3. Construction:

Injection assembly shall come complete with solution tube, solution tube adapter, packing gland and threaded safety rods. Solution tube shall be for sufficient length to extend into the process pipe to between one third and one half the pipeline diameter. Connection must include an acceptable threaded safety device to prevent accidental withdrawal of injection solution tube while under pressure and/or surge conditions. All wetted components shall be compatible with the chemical services. Model "_____" manufactured by Inyo Process or equal that has been preapproved by engineer before the bid.



TYPICAL INJECTOR INSTALLATIONS



Recommend the use of a 1-1/2" gate valve that has a reducer bushing down to 1". This will allow for the use of different styles of end fittings

Safety Precautions:

- Operator should always wear protective clothing and goggles/faceshield when inserting or retracting an injection quill
- Always stand to the side of the quill assembly-never directly behind the quill.
- Be careful to release any pressure that is created in the system.