

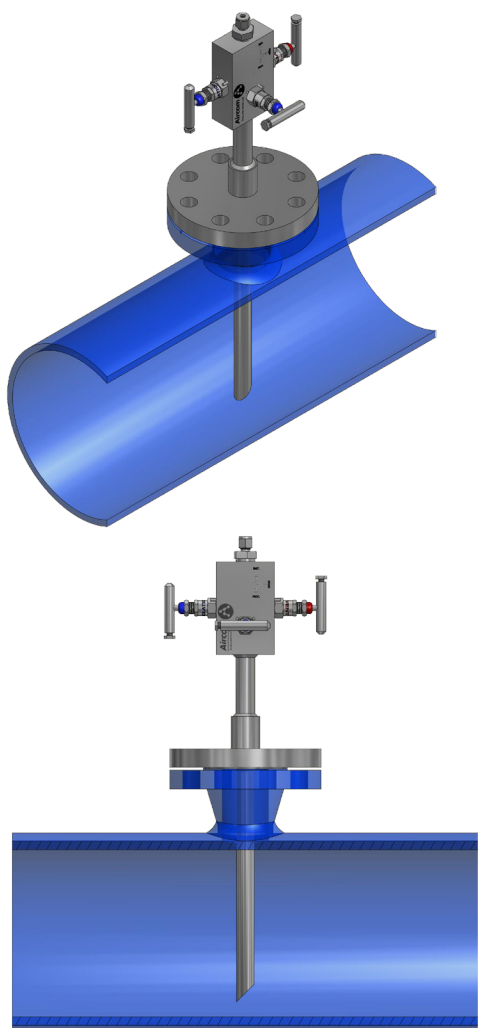


Aircom
Instrumentation Ltd.



Injection and Sample Quills

Aircom Instrumentation Ltd. is an ABSA registered manufacturing facility and has many designs and configurations available under multiple Canadian Registration Numbers (CRN). Injection Quills and Sample Quills are very similar in design however as the name would suggest, one is used for injecting chemicals into the pipeline, tank or process and the other is used for extracting a sampling from a process system for analytical purposes. Aircom has the ability to produce these quills within our design guidelines to your specifications. Custom designs and registrations are also available. Aircom has the ability to construct, repair and alter pressure vessels, piping and fittings per ASME Section VIII-1, ASME B31.1 Power Piping, ASME B31.3 Process Piping and Category A,C,F,H fittings. Full documentation packages are available for injection and sample quill products.



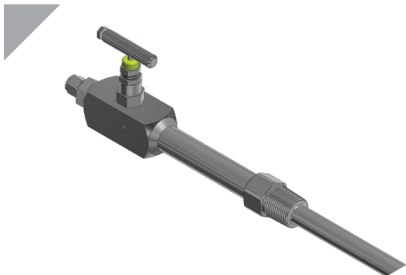
Specifications & Features:

- ▶ ABSA Registration Number APQ: 1289
- ▶ Multiple CRN's (Canadian Registration Number's) available for bar stock and pipe construction
- ▶ Weld procedures registered for dissimilar alloy construction
- ▶ Threaded process connections: 1/2", 3/4" and 1" NPT
- ▶ Flanged process connections 150# through 2500# raised face, flat face and RTJ
- ▶ Piping instrument connections: Threaded, socket weld and flanged
- ▶ Alloys: 316/316L, 304/304L, Inconel 600, Hastelloy's, A105 Carbon Steel, Duplex 2205, A350LF2
- ▶ Specialized coatings such as PTFE and Sulfinert
- ▶ Sample or Injection tip can be open at an angle (45° standard) or drilled holes
- ▶ Standard designs available along with customer engineered designs



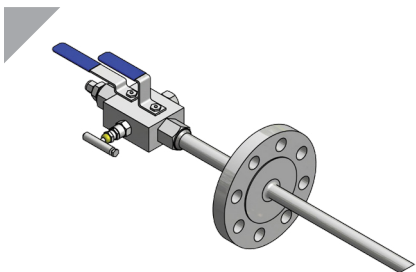
Standard Bar Stock Quills

- ▶ Threaded or flanged process connections
- ▶ Instrument or process piping connection 1/2" NPT
- ▶ Bore sizes: 0.260", 0.385", 0.512" and 0.702"



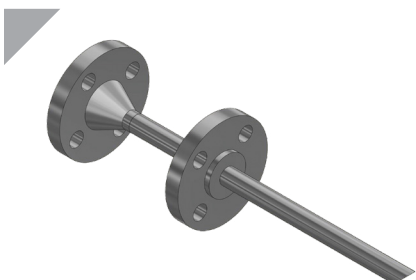
Threaded Quill with Needle Valve

- ▶ Bar stock design, 3/4" and 1" NPT, 0.385" bore, 0.750" OD
- ▶ 1/2" NPT piping connection with 1/4" NPT bleed / vent port on valve (plugged)
- ▶ Reference Part#: AI-4278



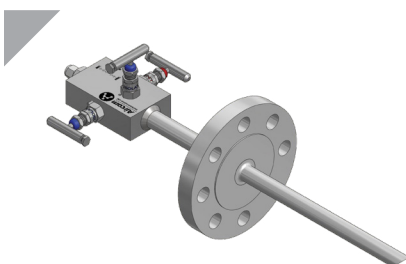
Flanged Quill with BNB Double Block & Bleed Valve

- ▶ Bar stock design, 150# to 2500#, 0.385" bore, 0.750" OD
- ▶ Ball, Needle, Ball valve construction
- ▶ Reference Part#: AI-4279



Process Piping Quills

- ▶ Pipe sizes: 1/2" to 4" NPS
- ▶ Standard designs include 316/L stainless steel and Hastelloy C and A105 carbon steel
- ▶ Flange by flange and socket weld connections



Flanged Quill with NNN Double Block & Bleed Valve

- ▶ Bar stock design, 150# to 2500#, 0.385" bore, 0.750" OD
- ▶ Needle, Needle, Needle valve construction
- ▶ Reference Part#: AI-4277