



Liquid & Slurry



Solid & Powder



Steam & Water

## SENTRY SAF-T-VISE QUILLS Chemical Injection & Sample Quills

### CORROSION MONITORING

Sentry® Saf-T-Vise® quills offer ease of use and custom configuration for maximum versatility. The Saf-T-Vise patented locking collet is simple to use and enhances operator safety by safely securing the shaft within the process stream in both low and extremely high pressure conditions. The quills are versatile and can be configured either to inject chemicals into or take a sample from within a pressurized process such as a pipeline.

#### MODELS

STV-LP1-Q | STV-LP2-Q | STV-HP1-Q | STV-HP2-Q

#### BENEFITS

Saf-T-Vise quills are hand insertable (low pressure) or mechanically insertable (high pressure) into your pressurized system. With a wide range of pressure ratings available, Saf-T-Vise quills are the optimal choice for monitoring and protecting most pressurized applications. They can be mounted in any orientation with extended insertion lengths of up to 20 feet for hard-to-access application situations. Saf-T-Vise STV-T Series insertion tools are used for mechanically inserting the quill shafts.

#### FEATURES

- Process pressure bleeder valve
- Patented locking collet safely secures the shaft within the process stream until released by the operator
- Integrated safety cap or chain, depending on model
- 45-degree bevel with crosscut face
- Designed and manufactured in accordance with ASME B31.3
- Canadian Registration Number available for most models
- Process wetted components comply with NACE MR0175/2009 and are suitable for service in hydrogen sulfide (H<sub>2</sub>S) environments

#### STANDARD AVAILABLE TIP



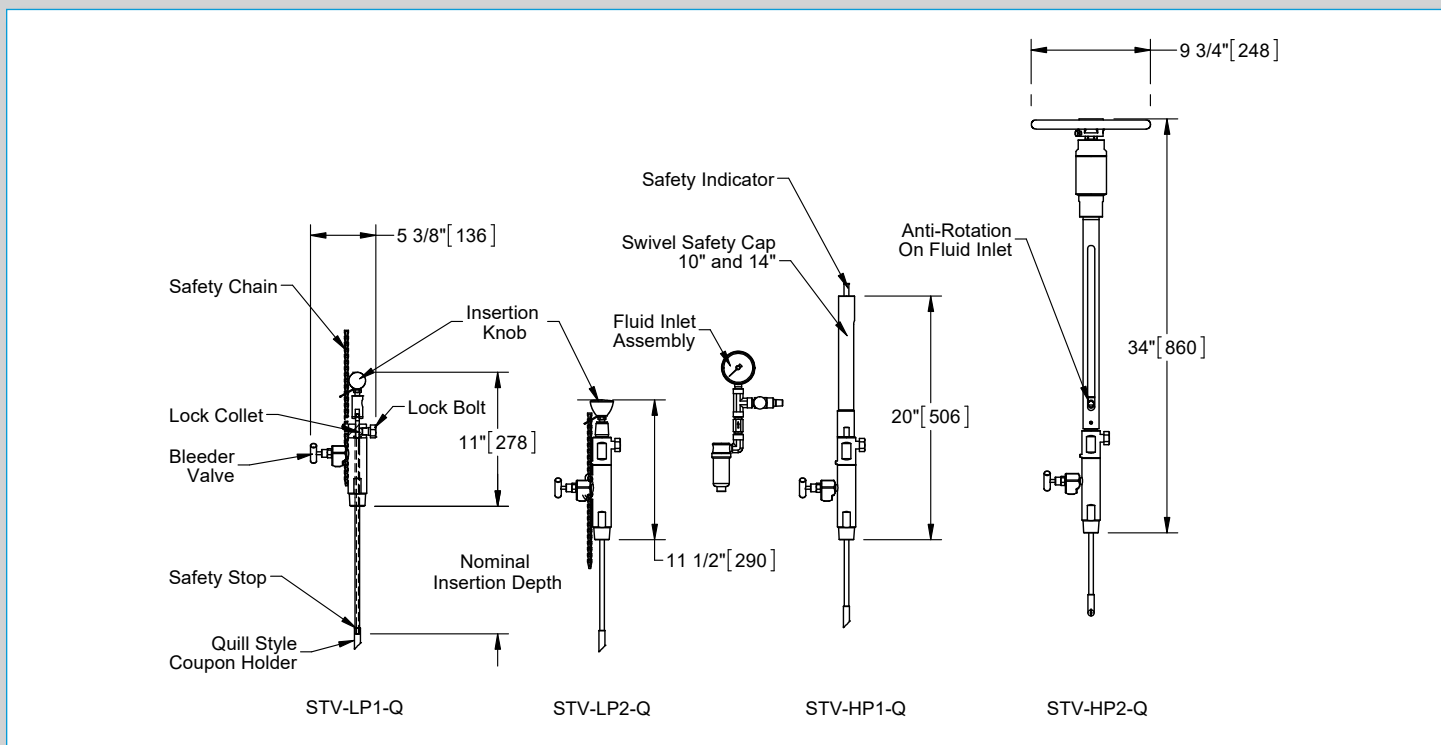
Quill with  
45 Degree  
Cross Cut



STV-LP2-Q shown with  
fluid inlet assembly

Sample. Monitor. Measure.





**SPECIFICATIONS**

model	weight	materials	insertion pressure (MOP)	pressure rating (MAP)	temperature rating (seals)	process connection	insertion depth	rod / shaft OD
STV-LP1-Q	4 to 7 lb 1.8 to 3.2 kg	316 SS	750 psi at 100°F 52 bar at 38°C	3000 psi at 100°F 207 bar at 38°C	PTFE: 450°F 232°C	1 in NPT	11, 17, 23, or 29 in 28, 43, 58, or 74 cm	3/8 in
STV-LP2-Q	10 to 35 lb 4.5 to 16 kg	316 SS; other alloys available	1/4 in: 1000 psi at 100°F 69 bar at 38°C 3/8 in: 750 psi at 100°F 52 bar at 38°C 1/2 in: 420 psi at 100°F 29 bar at 38°C	4000 psi at 100°F 275 bar at 38°C	PTFE: 450°F 232°C graphoil: 1000°F 538°C	1/2, 3/4, 1, 1 1/2 or 2 in NPT or flange	up to 6 ft up to 1.8 m	1/4, 3/8 or 1/2 in
STV-HP1-Q	10 to 45 lb 4.5 to 20 kg	316 SS; other alloys available	5000 psi at 100°F 344 bar at 38°C	5000 psi at 100°F 344 bar at 38°C	PTFE: 450°F 232°C graphoil: 1000°F 538°C	1/2, 3/4, 1, 1 1/2 or 2 in NPT or flange	up to 20 ft up to 6.1 m	1/4, 3/8 or 1/2 in
STV-HP2-Q	15 to 45 lb 7 to 20 kg	316L SS	5000 psi at 100°F 344 bar at 38°C	5000 psi at 100°F 344 bar at 38°C	PTFE: 450°F 232°C graphoil: 1000°F 538°C	3/4 or 1 in NPT or flange	9 or 15 in 23 or 38 cm	3/8 in

MAP: Maximum Allowable Pressure  
MOP: Maximum Operating Pressure

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