Gas
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 | STV-HP3-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 (H2S) environments

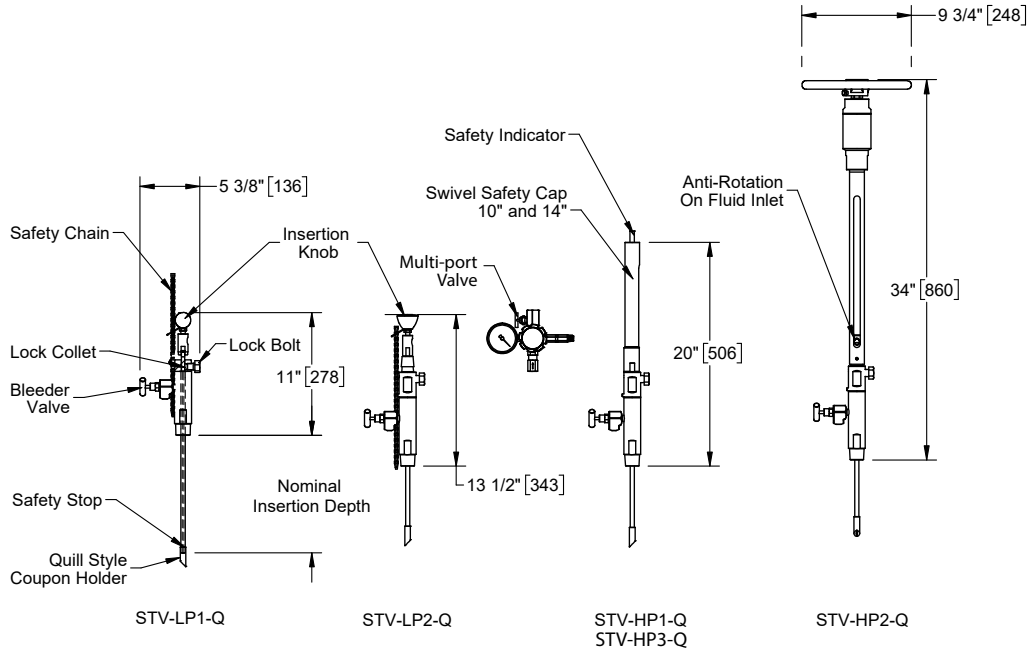
STANDARD AVAILABLE TIP

Quill with 45 Degree Cross Cut

STV-LP2-Q shown with multi-port valve

Manufactured under one or more U. S. patents: 6,357,470 B1; 8,359,937 B2

Sample. Monitor. Measure.
SENTRY
Any Application. Anywhere.



SPECIFICATIONS

model	weight	materials	insertion pressure (MOP)	pressure rating (MAP)	seal material	process connection	insertion depth	rod/shaft OD
STV-LP1-Q	4 - 7 lbs (1.8 - 3.2 kg)	316/316L SS	750 psi at 100ºF (52 bar at 38ºC)	2000 psi at 100ºF (138 bar at 38ºC)	PTFE min: 0ºF/-18ºC[$] max: 450ºF/232ºC	1 in MNPT	up to 29 in (0.7 m)	3/8 in
STV-LP2-Q	10 - 35 lbs (4.5 - 16 kg)	316/316L SS (standard) Other Alloys available	*1/4 in:* 1000 psi at 100ºF (69 bar at 38ºC) *3/8 in:* 750 psi at 100ºF (52 bar at 38ºC) *1/2 in:* 420 psi at 100ºF (29 bar at 38ºC)	4000 psi at 100ºF (275 bar at 38ºC)	PTFE min: 0ºF/-18ºC[$] max: 450ºF/232ºC Grafoil min: 0ºF/-18ºC[$] max: consult factory*	1/2 in MNPT 3/4 in MNPT 1 in MNPT 1 1/2 in MNPT 2 in MNPT or Flange	up to 6 ft (1.8 m)	1/4 in 3/8 in or 1/2 in
STV-HP1-Q	10 - 45 lbs (4.5 - 20 kg)	316/316L SS (standard) Other Alloys available	5000 psi at 100ºF (334 bar at 38ºC)		PTFE min: 0ºF/-18ºC[$] max: 450ºF/232ºC Grafoil min: 0ºF/-18ºC[$] max: consult factory*	1/2 in MNPT 3/4 in MNPT 1 in MNPT 1 1/2 in MNPT 2 in MNPT or Flange	up to 20 ft (6.1 m)	1/4 in 3/8 in or 1/2 in
STV-HP2-Q	15 - 45 lbs (7 - 20 kg)	316/316L SS			PTFE min: 0ºF/-18ºC[$] max: 450ºF/232ºC Grafoil min: 0ºF/-18ºC[$] max: consult factory*	3/4 in MNPT 1 in MNPT 1 1/2 in MNPT 2 in MNPT or Flange	3.5, 7.5, 13.5, 19.5, or 25.5 in (9, 19, 34, 50, or 65 cm)	1/4 in or 3/8 in
STV-HP3-Q	10 - 45 lbs (4.5 - 20 kg)	316/316L SS (standard) Other Alloys available	7500 psi at 100ºF (517 bar at 38ºC)		PTFE min: 0ºF/-18ºC[$] max: 450ºF/232ºC Grafoil min: 0ºF/-18ºC[$] max: consult factory*	1/2 in MNPT 3/4 in MNPT 1 in MNPT or Flange	up to 20 ft (6.1 m)	1/4 in or 3/8 in

*Grafoil seals are available for higher temperature applications; contact factory for details.
[†]316/316L (dual grade) stainless steel is dual certified to meet the mechanical properties of A479-316 at the low carbon content level of A479-316L
MAP: Maximum Allowable Pressure/MOP: Maximum Operating Pressure
[$]Lower temperature ratings are possible; contact factory for details

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