

# SENTRY SAF-T-VISE ATOMIZERS

## Chemical Injection Atomizers

### CORROSION MONITORING

Sentry® Saf-T-Vise® atomizers 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. A variety of atomizer configurations are available to provide the best delivery of the required chemicals to prevent or mitigate corrosion within a pressurized process such as a pipeline.

### MODELS

STV-LP1-A | STV-LP2-A | STV-HP1-A | STV-HP2-A

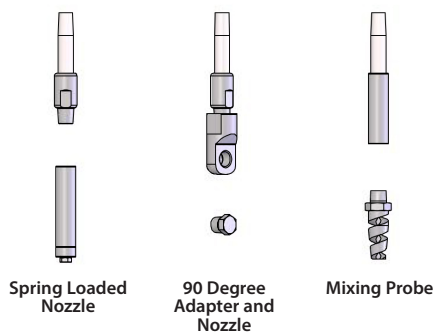
### BENEFITS

Saf-T-Vise atomizers 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 atomizers are the optimal choice for 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 atomizer 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
- Multiple nozzle choices: 1/8 inch male or female NPT connections standard; other connection sizes and types available
- 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 TIPS



Model and process connections can limit atomizer tip choices—contact us if other configurations are required

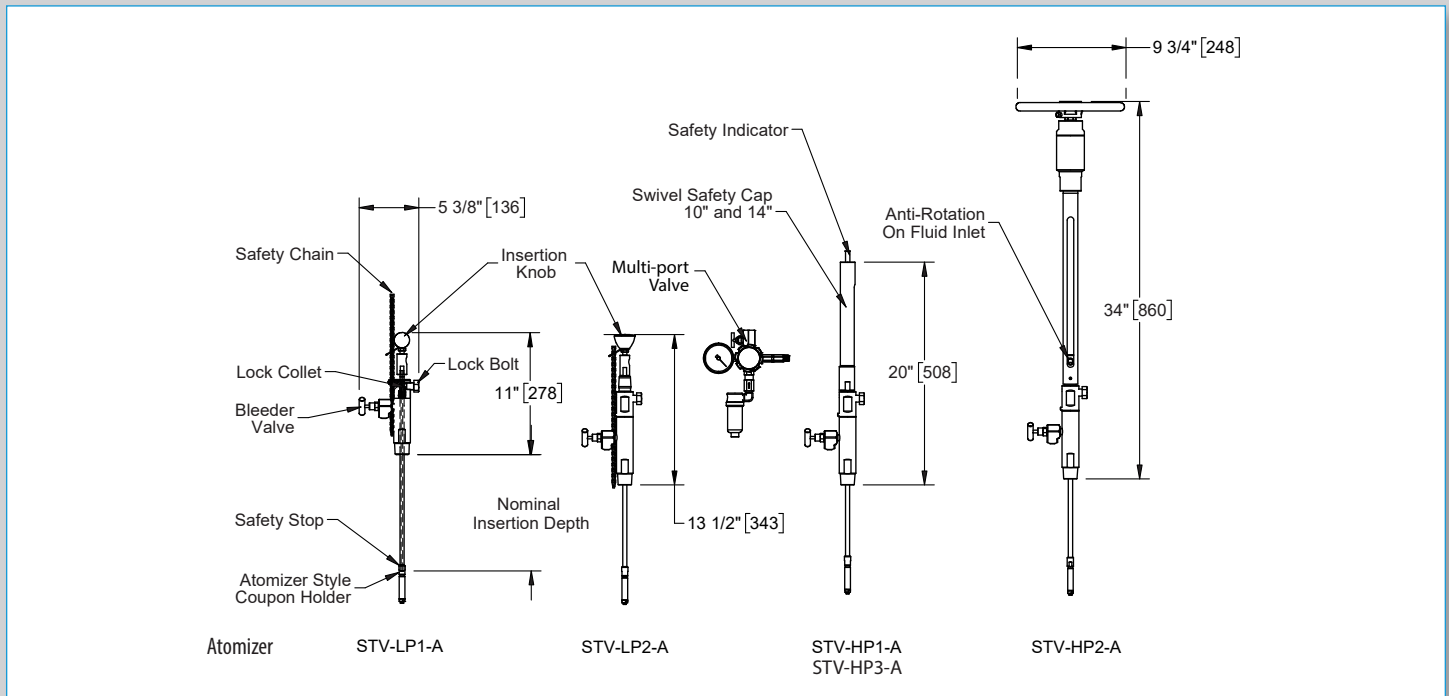
Manufactured under one or more U. S. patents: 6,357,470 B1; 8,359,937 B2



The engineering standards (ASME B 31.3), pressure testing procedures and traceability of materials of construction are PHMSA Mega Rule compliant.



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-A	4 - 7 lbs (1.8 - 3.2 kg)	316/316L SS	750 psi at 100°F (52 bar at 38°C)	2000 psi at 100°F (138 bar at 38°C)	PTFE min: 0°F/-18°C <sup>5</sup> max: 450°F/232°C	1 in MNPT	up to 29 in (0.7 m)	3/8 in
STV-LP2-A	10 - 35 lbs (4.5 - 16 kg)	316/316L SS (standard) 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 min: 0°F/-18°C <sup>5</sup> max: 450°F/232°C  Grafoil min: 0°F/-18°C <sup>5</sup> 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-A	10 - 45 lbs (4.5 - 20 kg)	316/316L SS (standard) Other Alloys available	5000 psi at 100°F (334 bar at 38°C)		PTFE min: 0°F/-18°C <sup>5</sup> max: 450°F/232°C  Grafoil min: 0°F/-18°C <sup>5</sup> 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-A	15 - 45 lbs (7 - 20 kg)	316/316L SS			PTFE min: 0°F/-18°C <sup>5</sup> max: 450°F/232°C  Grafoil min: 0°F/-18°C <sup>5</sup> max: consult factory*	3/4 in MNPT 1 in MNPT 1 1/2 in MNPT 2 in MNPT or Flange		
STV-HP3-A	10 - 45 lbs (4.5 - 20 kg)	316/316L SS (standard) Other Alloys available	7500 psi at 100°F (517 bar at 38°C)		PTFE min: 0°F/-18°C <sup>5</sup> max: 450°F/232°C  Grafoil min: 0°F/-18°C <sup>5</sup> 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.  
<sup>1</sup>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  
<sup>5</sup>Lower temperature ratings are possible; contact factory for details

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COMPANY WITH  
 QUALITY SYSTEM  
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