AUTOSTROKE
Automatic Blockage Sensor for Exchanger Tube Cleaning

16.9 in.   429 mm

11.7 in.   297 mm

7.9 in.
201 mm
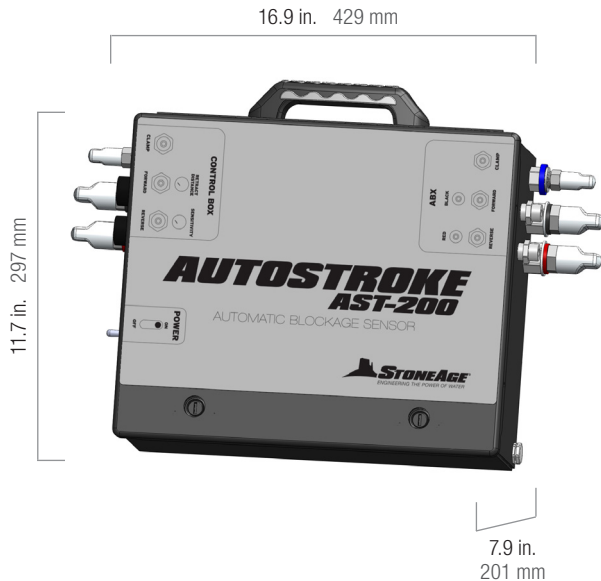
OVERVIEW

The AutoStroke is designed to increase efficiency and simplify operation of the AutoBox ABX-2L and ABX-3L in applications with plugged tubes.

The AutoStroke senses when a Banshee nozzle has hit a blockage and activates an automatic forward and reverse pecking motion that allows the jets to maintain rotation and effectively break through obstructions without operator intervention.

This produces optimal cleaning and saves contractors money by reducing wear on your AutoBox components, Banshee tools, and high pressure flex lances.

KEY FEATURES

- Quick install to your existing AutoBox ABX-2L or ABX-3L

- Automated forward and reverse tool motion to clear obstructions

- Adjustable sensitivity for changing job conditions

- Adjustable retract distance allows nozzle to regain rotation

- Self-powered operation – *no batteries or power cords*

SPECIFICATIONS

PART ID	AST-200-V2
Dimensions	16.9 x 11.7 x 7.9 in. 429 x 297 x 201 mm
Umbilical Hose Length	25 ft 762 cm
Acceptable Hose Force	0–60 lb 0–27 kg
Retract Time	0.05–1.1 sec
Air Pressure	40–100 psi
Air Consumption	3 CFM
Weight	18 lb 8.2 kg

AUTOSTROKE OVERVIEW

CB-ABX or CBX-ABX
Control Box

AutoBox
ABX-2L or ABX-3L

AutoStroke
AST-200-V2

A complete AutoStroke package includes the following components:

1. AutoStroke automatic blockage sensor (hoses included)

The following items are required for operation:

1. AutoBox ABX-3L or ABX-2L
2. CB-ABX Control Box

PLEASE NOTE: A one-time manifold upgrade is required to adapt the AutoBox ABX-2L for plug-and-play use with AutoStroke. The ABX-3L is preconfigured for use with AutoStroke.

ORDERING THE AUTOSTROKE

StoneAge offers a complete package for the AutoStroke AST-200-V2. The package configuration is shown below:

PACKAGE PART ID \ **AST-200-V2**

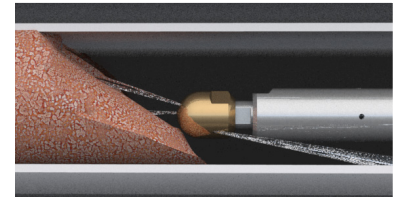| QTY	DESCRIPTION	PART ID
1	Umbilical Assembly, AutoStroke	AST 277-25
1	AutoStroke Box, with Generator	AST 301-V2
1	Hose Bundle Assembly, AutoStroke	AST 340

Package Options

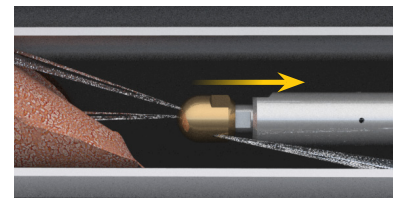| QTY	DESCRIPTION	PART ID
1	Manifold Assembly for AutoBox ABX-2L	AST 275

AUTOSTROKE OVERVIEW

FREQUENTLY ASKED QUESTIONS

- **How will the AutoStroke help me be more productive?**
  The AutoStroke is helpful if you clean heat exchangers with plugged tubes and are experiencing reduced roller or belt life on your AutoBox hose tractor. By automatically retracting the Banshee nozzle from a blockage, the AutoStroke allows the tool head to maintain maximum jet rotation to clear the blockage without operator intervention. This saves wear on AutoBox components, Banshee tools, and flex lances.

- **How does the AutoStroke work?**
  The AutoStroke detects pressure drop across the air motor and compares it to the value that the operator sets with the sensitivity knob. Certain conditions, such as bends in the tubing, may require more push force before engaging the AutoStroke mechanism.

  - If higher push forces are required, the operator can decrease sensitivity.
  - If less push force is required, the operator can increase sensitivity.
  - The retract timer can be adjusted to retract the hoses for a specified time once the established push force is exceeded. This allows the nozzles to regain rotation and continue cleaning.

- **Is the AutoStroke a stand-alone product?**
  No, the AutoStroke is an AutoBox accessory. It can be used with any size drive rollers and any hose type or size capable of operating with the ABX-2L and ABX-3L.

- **Can the AutoStroke be used with other StoneAge exchanger cleaning accessories?**
  Yes, the AutoStroke can be used in conjunction with other accessories – including hose containment, Fin Fan cleaning, and flexible snout – and is adaptable to the changing requirements of those applications.

PRIMARY MAINTENANCE REQUIREMENTS

- Keep air line ends clean and capped.
- Keep AutoStroke indoors when not in use.

BANSHEE HEAD CONTACTS BLOCKAGE AND STOPS ROTATING

AUTOSTROKE 'SENSES' BLOCKAGE AND PULLS HOSE BACK SIGHTLY TO REGAIN HEAD ROTATION
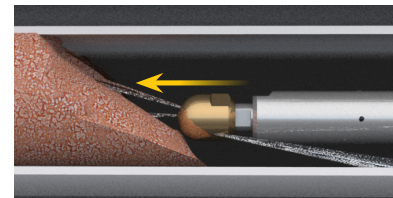
HEAD REGAINS NORMAL ROTATION AND HOSE FEED CONTINUES

Visit our website for more information, including tool videos and manuals:
WWW.STONEAGETOOLS.COM