AUTOBOX ABX-2L
Automated Heat Exchanger Tube Cleaning

16.9 in. 429 mm

8.2 in. 208 mm

8.3 in.
211 mm
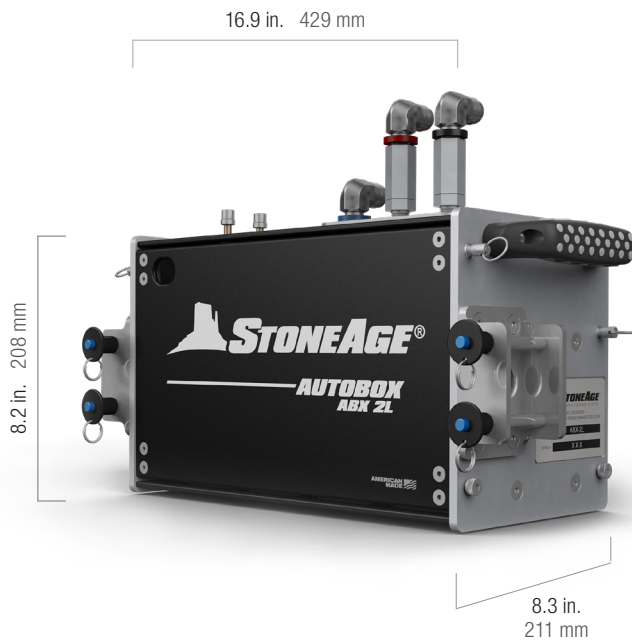
OVERVIEW

The StoneAge AutoBox ABX-2L is an automated system for hands-free heat exchanger tube cleaning applications. It was designed to reliably control a pair of flex lances for cleaning exchanger tube IDs with an emphasis on portability, ease of setup, and safety.

Paired with StoneAge Banshee rotary tube cleaning nozzles and our lightweight positioner, the ABX-2L offers safe and efficient tube cleaning in the harshest exchanger environments.

COMPETITIVE ADVANTAGES

- **Optimized belt drive** delivers more torque for increased productivity and difficult vertical jobs that are not doable with other systems
- **Cost of ownership is greatly reduced** as compared to competitive equipment through simple maintenance and affordable replacement parts
- **Hose clamp pressure and feed rates can be quickly adjusted** for repeatable, consistent cleaning
- **Operates reliably in highly corrosive environments** after other systems failed
- **Full line of accessories available** to help you make the most of your investment
- Dual-motor option available for extreme applications

FEATURES	BENEFITS
• Optimized belt drive	• More power for increased traction, speed, and drive force • Ideal for vertical and large hose applications • More cleaning productivity, more jobs/same time • Easy maintenance – *less than 2 minutes to replace*
• Independent forward/reverse speed control	• Consistent cleaning in both directions produces better results in less time
• Remotely adjustable hose clamp	• Adjust to changing conditions on the fly and minimize hose wear without interrupting workflow
• Portable, ergonomic control box with integrated dump	• Operate all features from outside the blast zone for safety and better line of sight
• Use hose sizes from 3/2 to 8/4 without changing parts	• Save time on the job + less wear/spare parts = maintenance cost savings
• Increased maintenance interval for reduced cost of ownership	• Long belt life • Low-cost replacement

FULL RANGE OF HOSE STOPS, COLLETS, GUIDE TUBES, AND BANSHEE NOZZLES AVAILABLE

AUTOBOX ABX-2L OVERVIEW
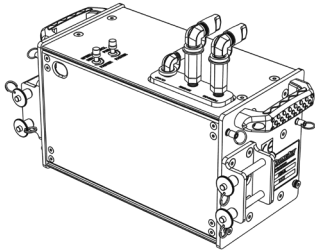
ABX-2L HOSE TRACTOR

- Lightweight and compact design
- Heavy-duty 75mm wide drive belt ensures traction in all operating conditions
- Can run any hose size from 3/2 to 8/4 without component changes
- Can be used in dual or single lance applications
- Quick pin attachment to guide assembly
- Hinged side doors for easy access to rollers and drive components
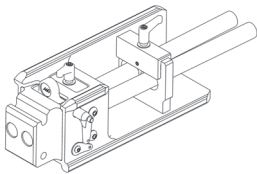
GUIDE ASSEMBLY

- Turn-knob control provides precise pitch adjustment
- Quick-change guide tubes are common material
- 17-4 SS hose stop collets for anti-withdrawal protection
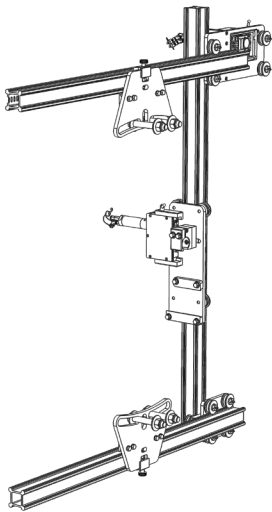
LIGHTWEIGHT POSITIONER

- Modular and expandable
- Quick-install drive carriages enable assembly without air supply
- Utilizes lightweight 2.5 in (6 mm) box rail
- Durable stainless steel air motors
- Variety of clamp and bolt-on attachment options are available
- Compatible with full line of AutoBox systems (ABX-3L, ABX-2L, ABX-PRO)

CONTROL BOX

- Small, lightweight, ergonomic design that includes a portable stand and filter-regulator-lubricator assembly
- Tractor controls: forward/reverse hose feed and clamp pressure
- Positioner controls: left/right and up/down
- Pneumatic dump control switch
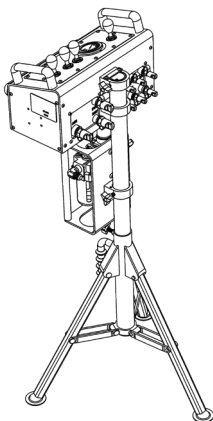
TOOL SPECIFICATIONS

MODEL	ABX-2L-B-V2
Hose Feed Rate	0.3–3.0 ft/sec 8–914 mm/sec
Hose Size	3/2–8/4
Push/Pull Force	Single Motor: 15–70 lb 7–32 kg Dual Motor: 15–150 lb 7–68 kg
Pitch Adjustment	0.625–2.5 in. 16–64 mm
Operating Air Pressure	100 psi 0.70 MPa
Manway Access	18 in. 457 mm
Dimensions	8.3 in. W x 8.2 in. H x 16.9 in. L 211 mm x 208 mm x 429 mm
Weight	Single Motor: 43 lbs 20 kg Dual Motor: 48 lbs 22 kg

AUTOBOX ABX-2L CONFIGURATION

Lightweight Positioner

Control Box

Hose Tractor and Guide Tube Assembly
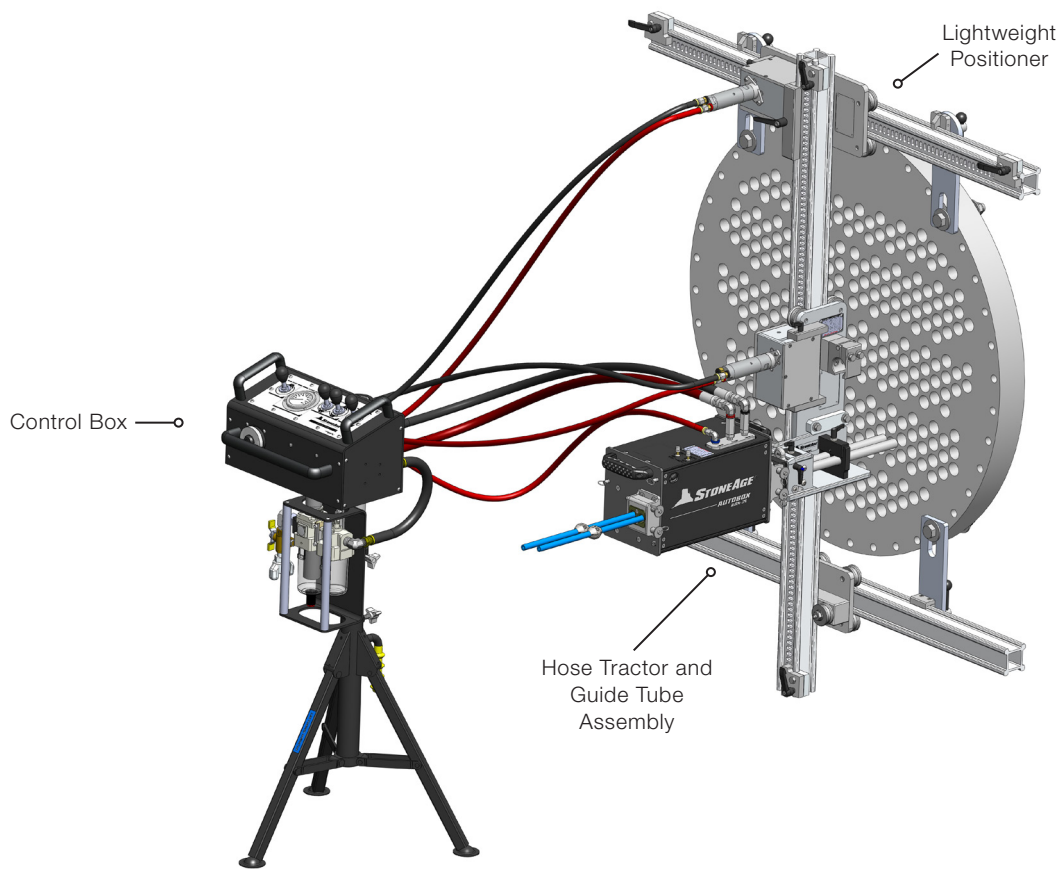
To configure an AutoBox ABX-2L, the following information should be obtained:

- Size of rotary tool
- Size of hose
- Diameter of tube bundle (positioner window size)

- Length of guide tubes required – standard and custom lengths available
- Preferred mounting clamp(s) for positioner

AUTOBOX ABX-2L CONFIGURATION

ORDERING THE AUTOPACK

StoneAge offers a complete package for the AutoBox ABX-2L that includes **all the available sizes of all component parts in a portable job box**. The ABX-2L AutoPack configuration is shown below:

PACKAGE PART ID	AUTO-2L-B-V2-LWPS-PKG	
QTY	**DESCRIPTION**	**PART ID**
1	Kit, 12in Tubes w/Adapters, (2 ea ABX 115, 116, 117, 119)	**ABX 630-12**
1	Hose Guide Tube Assy, (up to 8mm hose)	**ABX-201**
1	AutoBox Assy, Belt Drive, 2L	**ABX-2L-B-V2**
1	Kit, 2 Lance Y Manifold and Fittings - 22k psi/1500 bar	**ABX 64?**
1	Control Box Assembly	**CB-ABX-PL**
1	Chest, 2L-B and LWP	**GPT 067-2L-B-003**
1	Kit, Hose Stop and Collet 2L	**GPT 107**
2	Tool Bag, 18in	**GPT 310**
1	Kit, Quick Clamp Assy (Clamp to flange, 4 Pcs.)	**LWP 621**
1	Kit, Plate Clamp Assy (Bolted to flange, 2 Pcs.)	**LWP 622**
1	Lightweight Positioner, 6ft, 48in/1220mm Flange	**LWPS-100-6-NS**
1	Binder, AUTOPACK-2L-B-V2	**PL 680-V2**

??? - Specify options/sizes

ORDERING THE COMPLETE PACKAGE

StoneAge offers a complete package for the AutoBox ABX-2L that includes **all the available sizes of all component parts**. The ABX-2L complete package configuration is shown below:

PACKAGE PART ID	ABX-2L-B-V2-PKG	
QTY	**DESCRIPTION**	**PART ID**
1	Kit, Hose Stop Collets, 2L, (1ea size range.297-.625)	**ABX 621**
1	Kit, 12in Tubes w/Adapters, (2 ea ABX 115, 116, 117, 119)	**ABX 630-12**
1	Hose Guide Tube Assy, (up to 8mm hose)	**ABX-201**
1	AutoBox Assy, Belt Drive, 2L	**ABX-2L-B-V2**
1	Placeholder Kit, Y Manifold with Plugs and Glands	**ABX 369-???-K**
1	Control Box Assembly	**CB-ABX-PL**
1	Kit, Hose Stops, (2 ea, sizes 0.27-0.61 in.)	**HS 621**
1	Kit, Quick Clamp Assy (Clamp to flange, 4 Pcs.)	**LWP 621**
1	Kit, Plate Clamp Assy (Bolted to flange, 2 Pcs.)	**LWP 622**
1	Lightweight Positioner, 6ft, 48in/1220mm Flange	**LWPS-100-6-NS**

AUTOBOX ABX-2L CONFIGURATION

ORDERING THE BASE PACKAGE

StoneAge offers a base package for the AutoBox ABX-2L hose tractor. The ABX-2L base package is preconfigured for the most common applications to include: 1. AutoBox ABX-2L hose tractor, 2. Guide assembly, 3. Control box, 4. Backout collet, 5. Hose feed stops for specified hose size.

The base ABX-2L package can be configured to the specifications of your job with the addition of customized options. Fully custom solutions are possible by contacting StoneAge Customer Service.

The ABX-2L base package and standard options are shown below:

PACKAGE PART ID \ **ABX-2L-B-V2-PKG**

QTY	DESCRIPTION	PART ID
1	AutoBox Assy, Belt Drive, 2L	**ABX-2L-B-V2**
1	Hose Guide Tube Assy, (up to 8mm hose)	**ABX-201**
1	Control Box, Stand, FRL Assy, for ABX	**CB-ABX-PL**
1	Hose Stop, Collet Style, .297"/7.54mm (3/2, 2240D-02)	**ABX 121-???**
2	Kit, Hose Stop and Collet 2L	**HS 121-???**

Base Package Options

QTY	DESCRIPTION	PART ID
2	Guide Tube, .546 ID, 12.5"/315.7 mm L (BN13)	**ABX 116-12**
1	Placeholder Kit, Y Manifold with Plugs and Glands	**ABX 369-???-K**
1	Lightweight Positioner, 6' 48"/1220 mm Flange	**LWPS-100-6-NS**
1	Kit, Plate Clamp Assembly (Bolted to flange, 2 Pcs.)	**LWP 622**

??? - Specify options/sizes

Tool manuals and training videos are available on our website:
WWW.STONEAGETOOLS.COM

For questions or help with a specific application, configuration or tool repairs, please contact StoneAge Customer Service.