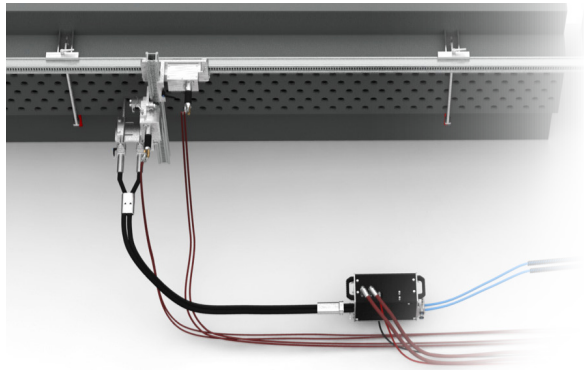


# FIN FAN KIT

Adapts AutoBox ABX-2L for Fin Fan Style Exchanger Cleaning



## OVERVIEW

The Fin Fan kit, or FF-100, is designed to adapt the AutoBox ABX-2L for the specific requirements of cleaning Fin Fan style exchangers.

Fin Fan exchangers can be much wider than standard heat exchangers and are often accessed by very narrow walkways. The Fin Fan kit components allow the ABX-2L to be safely positioned in tight walkway spaces for this type of cleaning. Customizable rail lengths and simple mounting clamps enable the positioning system to accommodate most all Fin Fan headers and configurations.

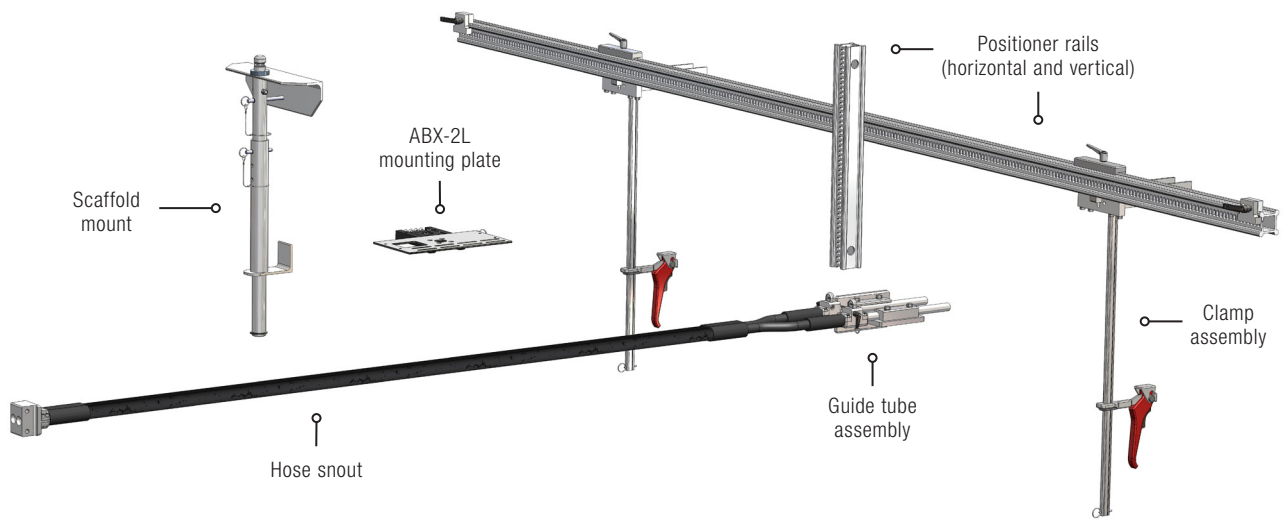
FEATURES	BENEFITS
<ul style="list-style-type: none"><li>• Light weight positioning system</li></ul>	<ul style="list-style-type: none"><li>• Easy setup and assembly in tight locations</li><li>• Customizable to fit most fin fan exchangers</li></ul>
<ul style="list-style-type: none"><li>• Hose snout and tube guide assembly</li></ul>	<ul style="list-style-type: none"><li>• Accurate lance control and indexing</li><li>• Built-in backout prevention increases safety</li><li>• Adjustable pitch</li></ul>
<ul style="list-style-type: none"><li>• Scaffold mount</li></ul>	<ul style="list-style-type: none"><li>• Simple mounting of ABX-2L system on existing structures</li></ul>

## SPECIFICATIONS

KIT PART ID	FF-100
Horizontal Positioner*	Full Length: 15 ft 457 cm Allowance: 30 in. 76 cm
Vertical Positioner*	Full Length: 3.5 ft 107 cm Allowance: 18 in. 46 cm
Hose Size	3/2–8/4
Pitch Adjustment	0.6–2.5 in. 15–64 mm

\*Custom lengths available. Additional allowance required to complete travel distance.

## FIN FAN KIT CONFIGURATION



### A complete Fin Fan Kit configuration includes the following components:

1. Horizontal and vertical drive rails
2. Two 30-inch clamp assemblies
3. Guide assembly with guide tubes
4. Hose snout with hose collet blocks
5. Scaffold mount and corresponding bottom plate for the ABX-2L

### The following items are recommended:

- Stingers and slim-line couplers to aid the Banshee tools in spanning across the Fin Fan header box and entering the tubes

PLEASE NOTE: The Fin Fan Kit is offered as an accessory to the AutoBox ABX-2L. The required ABX-2L tractor and drive carriages are sold separately.

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## To configure a Fin Fan Kit, the following information should be obtained:

- **What is the width of the fin fan exchanger?**  
The horizontal rail will need to be a minimum of 30 inches (76 cm) longer than the fin fan unit to allow the drive carriage to travel the complete distance of the exchanger face.
- **What is the height of the Fin Fan exchanger?**  
The vertical rail will need to be a minimum of 18 inches (46 cm) longer than the fin fan unit is in height.
- **What is the hose (flex lance) size to be used?**  
The appropriate hose stop collet/collets (FF 121-XXX) will be required.
- **What is the ID of the tubes being cleaned? What size BN tools will be used?**  
The appropriate size guide tube will be required.
- **What is the depth of the header box (distance from outside surface to tube sheet)?**  
The guide tube length will need to be approximately 6–8 inches (15–20 cm) longer than the depth of the header box. The nipple/stinger will need to be about 2 inches (5 cm) shorter than the header box depth.
- **Will the Fin Fan Kit be used with an existing ABX-2L and LWP-500?**  
If customer owns the LWP (or is purchasing LWP), the stops, horizontal and vertical carriages can be used for the Fin Fan kit. If the customer does not own an LWP, the carriages and stops will need added as an optional items.
- **What is the hose end fitting size, type, and thread?**

## Additional information:

- Make sure the hoses (flex lances) to be used are at least 13 ft (4 m) longer than the fin fan heat exchanger to be cleaned.
- **StoneAge slim-line couplings are required if using nipples/stingers** (MP9). These are available in LH or RH threads. Smaller sizes of slim-line couplings are also available and may be purchased from StoneAge or other sources. Blastpro or Prolance ends are required for OD clearance with guide tube IDs.

# FIN FAN KIT CONFIGURATION

## ORDERING A FIN FAN KIT

The Fin Fan Kit is available in a standard configuration, but can be configured to specified requirements. Standard kit configuration and options are described below:

STANDARD FIN FAN KIT CONTENTS
1 x <b>FF-100</b> Fin Fan Clamp Kit Includes snout, 30" clamps, guide tube assembly, and scaffold mount
1 x <b>BU 002.1-15</b> Slotted rail, 15 ft
1 x <b>BU 002.1-3.5</b> Slotted rail, 3.5 ft
2 x <b>FF 121-625</b> Hose Stop, Collet Style, .625"
2 x <b>ABX 119-36</b> Guide Tube, .745 ID, 36 in./914.4mm L (BN18)

## Rail Options

Horizontal and vertical rail lengths are customizable. Contact StoneAge Customer Service for availability.

## Hose Stop Collet Sizes

HOSE OD	SPIRSTAR	PARKER	COLLET
0.26–0.38 in.	3/2	2240D-02	<b>FF 121-297</b>
	3/4, 4/2	2240D-025, 2440D-02	<b>FF 121-328</b>
	3/6, 5/2	2240D-03	<b>FF 121-406</b>
0.39–0.50 in.	4/4	2448D-025	<b>FF 121-438</b>
	4/6, 5/4, 6/2	2240D-04	<b>FF 121-460</b>
		2640D-025, 2740D-03	<b>FF 121-484</b>
	6/4	2440D-04	<b>FF 121-516</b>
0.51–0.61 in.	5/6, 8/2	2240D-05, 2740D-03	<b>FF 121-547</b>
	8/4		<b>FF 121-594</b>
		2440D-05	<b>FF 121-625</b>
0.80–0.93 in.	3/8" Rubber WB Hose		N/A

## Guide Tube Options

BANSHEE MODEL	TUBE SIZE	TUBE LENGTH	TUBE PART ID
<b>BN9.5</b>	.459"	12.5 in. 316 mm	<b>ABX 115-12</b>
		36 in. 914 mm	<b>ABX 115-36</b>
<b>BN13</b>	.546"	12.5 in. 316 mm	<b>ABX 116-12</b>
		36 in. 914 mm	<b>ABX 116-36</b>
<b>BN15</b>	.674"	12.5 in. 316 mm	<b>ABX 117-12</b>
		36 in. 914 mm	<b>ABX 117-36</b>
<b>BN18</b>	.745"	12.5 in. 316 mm	<b>ABX 119-12</b>
		36 in. 914 mm	<b>ABX 119-36</b>