FOX TrimAway® INSTALLATION AND OPERATING INSTRUCTIONS

FAMILIARIZE YOURSELF WITH THE SYSTEM COMPONENTS

Check your shipment against the packing list, the original quote and the following drawings. Contact us immediately if there is any shortage. Contact us at cac@epix.net

OPERATING PRINCIPLE

The FOX TrimAway® system utilizes the venturi principle combined with a powerful regenerative blower. The output of the blower is piped into the venturi, there the venturi creates suction at the intake point and pressure at the discharge point (click here to see drawing number 18503-12). The trim or matrix is allowed to pass through the venturi and be discharged to the waste collection area without being chopped.

WIRING THE BLOWER

We recommend the blower be wired by a licensed electrician or an experienced plant mechanic. If the blower is 3-phase, an appropriately sized motor starter, fused not to exceed maximum blower amps (as indicated on blower) will be required. Install the blower inlet filter, using the filter mounting assembly as shown in the following system layout drawings before start-up. Following the diagram on the motor plate, wire for low or high voltage. Be sure the motor is turning in the proper direction (this can be determined by following the directional arrow or imprinted on the blower or by looking directly into the backside of the cooling fan and checking for clockwise rotation). If the rotation is backwards, shut off the power and reverse any two (except ground) wires.

AFTER CONNECTING THE VENTURI PROPERLY (SEE "VENTURI CONNECTIONS & MOUNTING" in this document), MEASURE THE CURRENT/AMPS. DO NOT EXCEED THE MAXIMUM BLOWER AMPS. IF THE CURRENT/AMPS EXCEEDS THE MAXIMUM BLOWER AMPS THE VENTURI OPTIMIZATION MUST BE DECREASED (SEE "VENTURI ADJUSTMENT" in this document). ANY BLOWER FAILURE CAUSED BY EXCEEDING THE MAXIMUM BLOWER AMPS WILL VOID WARRANTIES.

VENTURI CONNECTIONS AND MOUNTING

Motive Connection

Connect the blower output adapter (barbed hose fitting) into the OUT port of the blower. Attach the proper length of motive hose (neoprene impregnated construction) between the blower and venturi motive connector (see following system layout drawings). Use hose clamps to clamp motive hose in place.

Typically the motive distance is not critical. Avoid any elbows by using flexible neoprene hose for bends. Make sure there are no air leaks between blower and venturi.

CHECK the suction at the venturi inlet and pressure from the discharge end. If you are getting no, or very little, suction/pressure, proceed to the Venturi Adjustment section of these operating instructions.

Venturi Mounting

STANDARD ONE PICK UP OR TWO PICK UP SYSTEM – Mount the venturi in a position which affords the straightest, shortest path from the trim pick up points. Vertical mounting of the venturi is preferable.

MATRIX REMOVAL SYSTEM – The standard matrix removal system is supplied with a special venturi mounting bracket. It is designed to mount directly to the existing 3 inch diameter matrix rewind shaft. It will be necessary to lock the rewind shaft so it does not rotate. The venturi should be mounted in the special venturi clamp and the matrix should follow its standard threading pattern (click here to see drawing number 18503-11).

Intake Connection

KEEP ALL INTAKE DISTANCES AS SHORT AS POSSIBLE WITH NO BENDS.

TWO PICK UP SYSTEM – Connect an intake hose length on the venturi inlet and the center leg of the wye connection. Connect two legs of intake hose to lead from pick up points to the wye. Try to keep both legs equal in length so the wye is located in the center. Attach the trim pick up nozzles to the intake hose legs with hose clamps (click here to see drawing number 18503-09).

ONE PICK UP SYSTEM – Connect an intake hose length on the venturi inlet. Attach the trim pick up nozzle to the intake hose (click here to see drawing number 18503-10).

MATRIX REMOVAL SYSTEM – Using the Venturi/Pick up nozzle coupler, connect the pick up nozzle (click here to see drawing number 18503-11).

Discharge Connection

Slip the discharge hose over the discharge end of the venturi and secure it with a hose clamp. Route the discharge hose to your collection point, use flexible steel hose (supplied) for all bends. Use rigid pipe for long, straight discharge lengths.

Collection Containers

Your collection container should allow for the free discharge of air and material. If it does not allow adequate air ventilation or is designed so the material can build up to the discharge line, back pressure will affect the performance of the system. Please contact us at cac@epix.net if you have any questions on this.

VENTURI ADJUSTMENT

THE VENTURI HAS BEEN FACTORY PRESET FOR OPTIMUM SUCTION AND PERFORMANCE. IT SHOULD NOT BE NECESSARY TO ADJUST THE VENTURI, HOWEVER, IF OPTIMUM PERFORMANCE IS NOT REQUIRED OR THE VENTURI HAS COME OUT OF ADJUSTMENT, ADJUST THE VENTURI AS DESCRIBED BELOW.

The venturi inlet nozzle is threaded into the venturi body. After loosening the set screw(s) located around the venturi body, the inlet nozzle should easily rotate to open or close the venturi gap (click here to see drawing number 18503-12).

TO OPTIMIZE THE VENTURI – Rotate the inlet nozzle counter clockwise so most of the threads are exposed. Slowly rotate the inlet nozzle clockwise, you will feel the suction increase, as you continue to rotate the nozzle clockwise you will feel the suction start to decrease, back the nozzle out to the point of greatest suction.

TO DECREASE VENTURI OPTIMIZATION- Rotate the inlet nozzle counter clockwise until desire suction / pressure is acquired. **DO NOT DECREASE THE VENTURI OPTIMIZATION BY ROTATING THE VENTURI INLET NOZZLE CLOCKWISE (CLOSING THE GAP) AS THIS WILL PUT UNNECESSARY STRAIN ON THE BLOWER MOTOR AND MAY CAUSE DAMAGE**.

BE EXTREMELY CAREFUL, THE VENTURI THREADS ARE ALUMINUM AND VERY EASY TO CROSS. IF THE VENTURI THREADS GET CROSSED DO NOT FORCE THE VENTURI INLET NOZZLE TO ROTATE, CONTACT THE FACTORY IMMEDIATELY.

INSTALLATION AND OPERATING TIPS

1) For maximum performance, keep all hose lengths (especially intake) to a minimum. All bends should have a gently sweeping radius.

2) Locate the pick up nozzles as close as possible to the material pick up point(s).

3) Be careful when tightening the high torque hose clamps. They will crimp the metal hose causing air leakage if over tightened.

4) Do not be concerned if the blower, motive air hose and venturi become hot to the touch. This is normal and they are designed to withstand high temperatures.

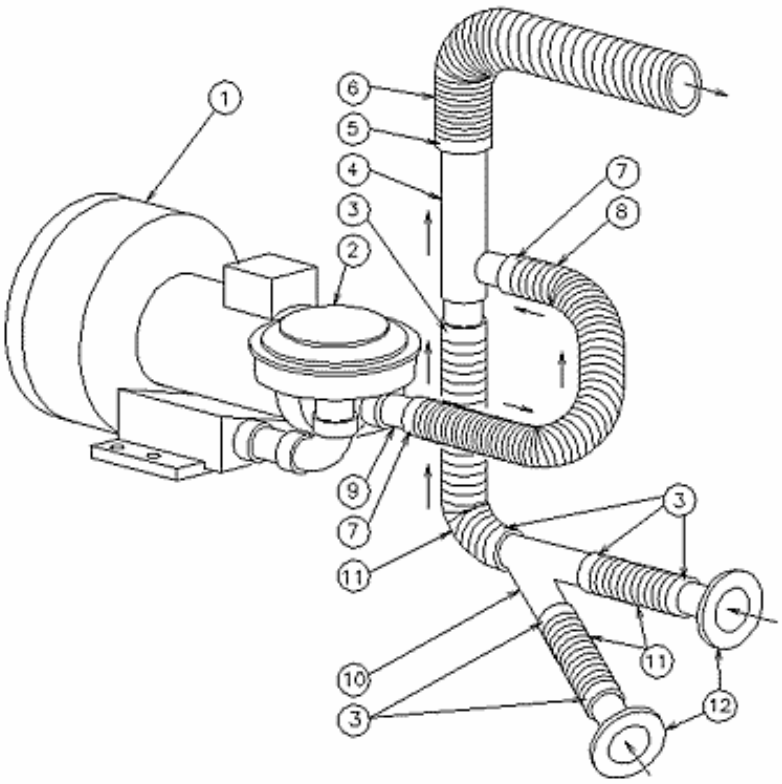
CONVERTER ACCESSORY CORPORATION

Web Handling Technology . . . CAC Engineered & Manufactured

201 Alpha Road
Wind Gap, PA 18091
Email: cac@epix.net

Phone: (800) 433-2413
Phone: (610) 863-6008
Fax: (800) 709-1007
Fax: (610) 863-7818

To view our products, download drawings and specification sheets or request more information, please visit our website:
www.handleyourweb.com



LEGEND

ITEM	DESCRIPTION
1	REGENERATIVE BLOWER
2	FILTER
3	INTAKE HOSE CLAMP
4	VENTURI
5	DISCHARGE HOSE CLAMP
6	DISCHARGE HOSE
7	MOTIVE AIR HOSE CLAMP
8	MOTIVE AIR HOSE
9	MOTIVE AIR HOSE ADAPTER
10	INTAKE "Y" CONNECTION
11	INTAKE HOSE
12	PICK-UP NOZZLE

CUSTOMER: _____
APPROVED BY: _____
DATE: _____

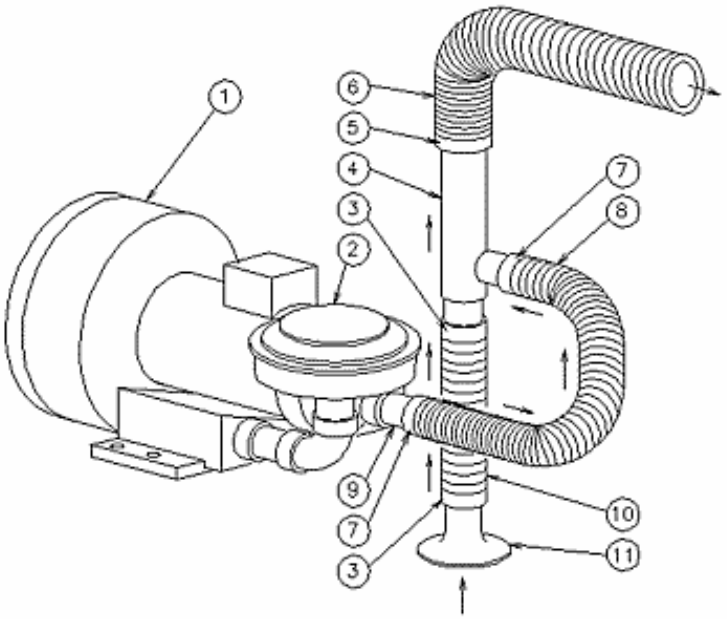
CONVERTER ACCESSORY CORP.
WIND GAP, PA.

MASTER DRAWING

TITLE: (2)TWO PICK-UP POINT TRIM REMOVAL SYSTEM

DRAWN BY:	SCALE:	QUOTE NO.:
DWH	NONE	
DWG. NO.: 18503-09		DBA FILE: MEMAST

REV.	DATE	DESCRIPTION	BY



LEGEND

ITEM	DESCRIPTION
1	REGENERATIVE BLOWER
2	FILTER
3	INTAKE HOSE CLAMP
4	VENTURI
5	DISCHARGE HOSE CLAMP
6	DISCHARGE HOSE
7	MOTIVE AIR HOSE CLAMP
8	MOTIVE AIR HOSE
9	MOTIVE AIR HOSE ADAPTER
10	INTAKE HOSE
11	PICK-UP NOZZLE

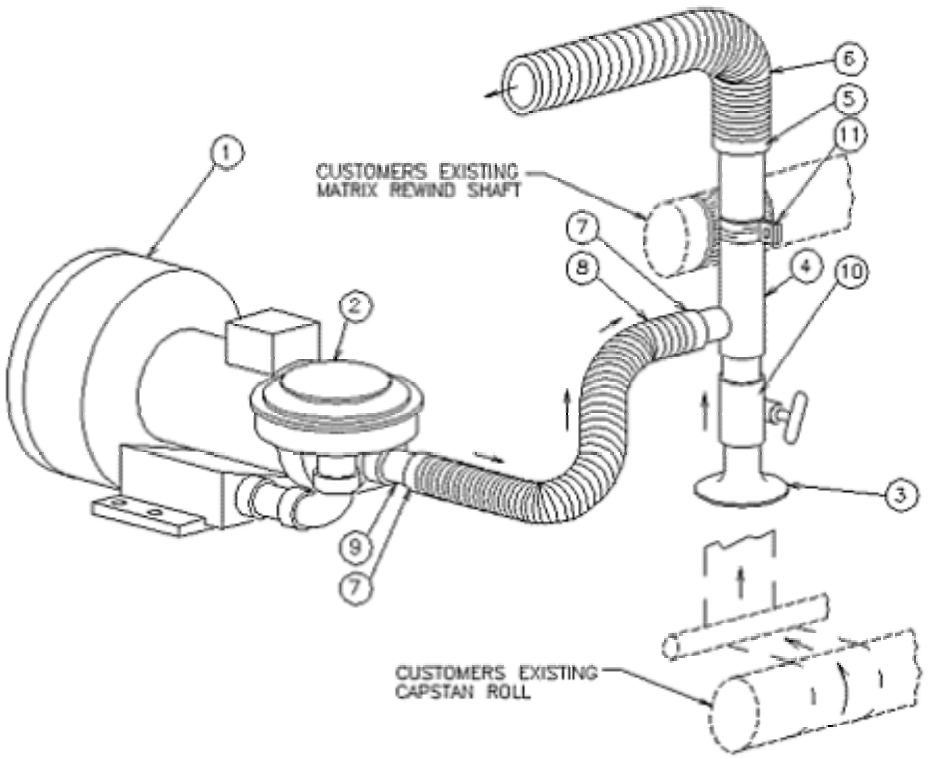
CUSTOMER: _____
APPROVED BY: _____
DATE: _____

CONVERTER ACCESSORY CORP.
WIND GAP, PA.

MASTER DRAWING

TITLE: (1)ONE PICK-UP POINT TRIM REMOVAL SYSTEM

DRAWN BY:	SCALE:	QUOTE NO.:
DWH	NONE	
DWG. NO.: 18503-10		DBA FILE: MEMAST



LEGEND

ITEM	DESCRIPTION
1	REGENERATIVE BLOWER
2	FILTER
3	PICK-UP NOZZLE
4	VENTURI
5	DISCHARGE HOSE CLAMP
6	DISCHARGE HOSE
7	MOTIVE AIR HOSE CLAMP
8	MOTIVE AIR HOSE
9	MOTIVE AIR HOSE ADAPTER
10	VENTURI/PICK-UP NOZZLE COUPLER
11	VENTURI QUICK-RELEASE MOUNTING BRACKET

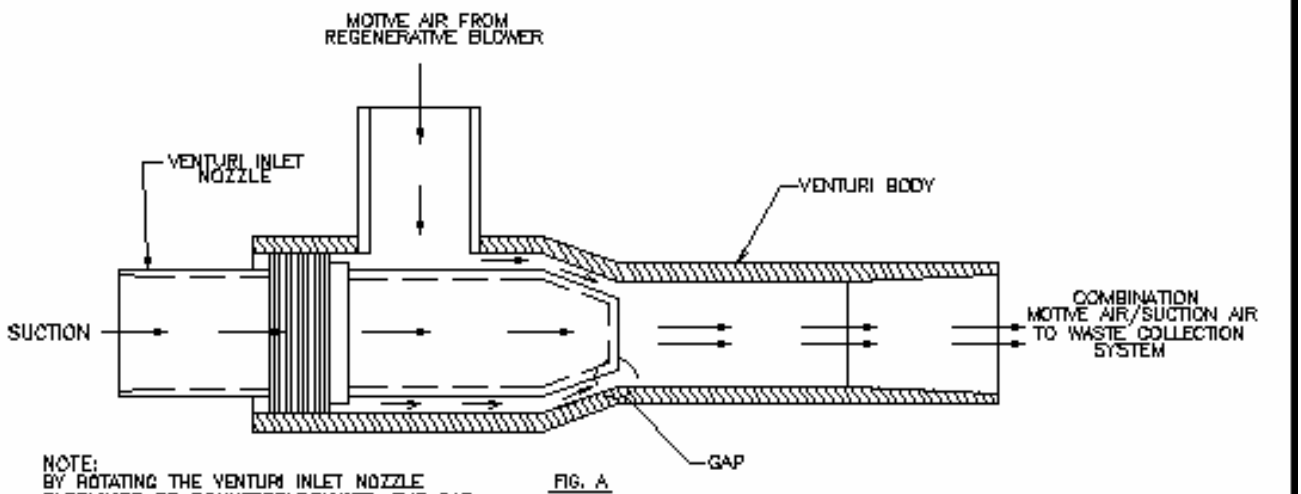
CUSTOMER: _____
APPROVED BY: _____
DATE: _____

CONVERTER ACCESSORY CORP.
WIND GAP, PA.

MASTER DRAWING

TITLE: MATRIX TRIM REMOVAL SYSTEM

DRAWN BY:	SCALE:	QUOTE NO.:
DWH	NONE	
DWG. NO.:		FILE NO.:
18503-11		MEMAST



NOTE:
BY ROTATING THE VENTURI INLET NOZZLE CLOCKWISE OR COUNTERCLOCKWISE, THE GAP BETWEEN THE VENTURI BODY & THE VENTURI INLET NOZZLE INCREASES OR DECREASES UNTIL FULL OPTIMIZATION IS ACHIEVED.

FIG. A

CONVERTER ACCESSORY CORP.
WIND GAP, PA.

MASTER DRAWING

TITLE: VENTURI PRINCIPLE OF OPERATION

DRAWN BY:	SCALE:	DATE:
DWH	NONE	3-21-86
DWG. NO.:		FILE NO.:
18503-12		MD4