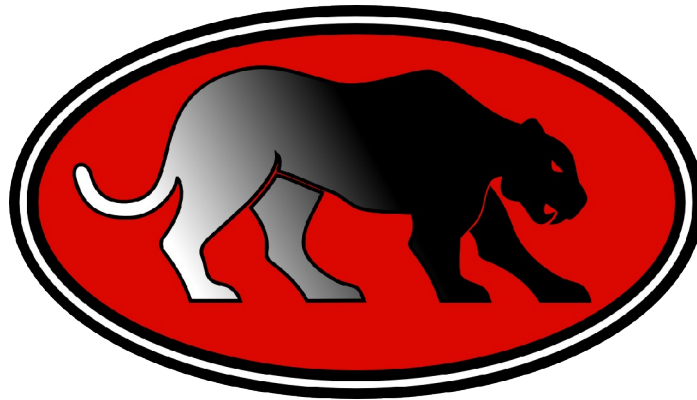


PANTHER EQUIPMENT



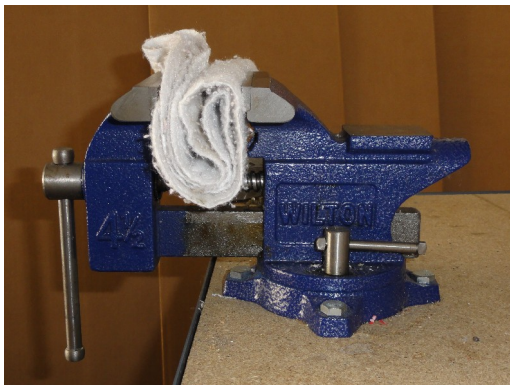
AdapTech™ Wand Complete System ATW-100 and ATW-150 Assembly Instructions

Thank you for purchasing the AdapTech™ Wand System from Panther Equipment. This product is designed to make asphalt sealcoating faster and easier. Please follow the simple instructions below to assemble your wand. If you have any questions regarding the assembly process, please call us at 1-888-99-PANTHER (888-997-2684).

PLEASE REVIEW ALL INSTRUCTIONS PRIOR TO BEGINNING ASSEMBLY

TOOLS/SUPPLIES NEEDED

- Stationary vice and large crescent wrench. Alternatively, you can use a pipe wrench or second large crescent wrench if a vice is unavailable.
- Teflon tape or thread sealing compound (tape recommended)
- Cloth Rag (optional) to prevent scratching components during assembly



STEP 1

Unpack the box. The box contains the following items:

<u>Qty</u>	<u>Item Letter and Description</u>
(2)	A. Pipe Section
(1)	B. AutoFlow™ Attachment with Brush
(1)	C. Dual Tip Attachment
(1)	D. Single Tip Attachment (3/4" to 3/8" reducing elbow)
(1)	E. Stainless Steel Ball Valve
(1)	F. Dual Plane Swivel
(1)	G. Square Head Plug
(1)	H. Female Quick-Connect Cam and Groove Coupler
(3)	I. Male Quick-Connect Cam and Groove Coupler
(1)	J. Coupler
(1)	K. Ergonomic Handle with Thumb Screw
(3)	L. Spray Tip (1/4" with bushing or 3/8")

NOTE: All threaded components (excluding spray tips) are 3/4" NPT



STEP 2

Apply Teflon tape or thread sealant to all threaded fittings (A, F, G, I).



STEP 3

Connect the two pipe sections (A) to the coupler (J).



STEP 4

Connect the square head plug (G) to one end of the Dual Tip Attachment (C).



STEP 5

Connect a male quick-connect cam and groove coupler (I) to each of the three attachments (B, C, D).



STEP 6

Connect the female quick-connect cam and groove coupler (H) to one end of the assembled pipe (A).



STEP 7

Slide the ergonomic handle (K) on to the assembled pipe (A) and tighten the thumb screw to lock in place.



STEP 8

Connect stainless steel ball valve (E) to the assembled pipe (A).



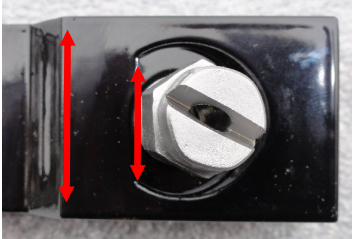
STEP 9

Connect dual plane swivel (F) to the other end of the stainless steel ball valve (E).



STEP 10

Connect two spray tips (L) to the Dual Tip Attachment (C), and ensure that they are properly aligned at a slight angle. Hint: use the straight edges of the hex fitting on the tip and compare to straight edges on attachment to line up tips.



STEP 11

Connect remaining spray tip (L) to the Single Tip Attachment (D). Align tip to be parallel with elbow body.



STEP 12

Double check all connections to ensure they are properly tightened. Your wand is now ready to be attached to your machine. Connect the dual plane swivel (F) to the end of the application hose. This system is designed for use with $\frac{3}{4}$ " hose.



USE AND CARE TIPS

- When using the AutoFlow™ Brush attachment, it may take a bit of experimentation to determine the ideal pressure and valve position for optimal sealcoat application. Determining factors include individual walking speed, viscosity of material being applied, and the condition of the asphalt. For best results, it is important to exert consistent downward pressure while applying material, and ensure that the edges of the brush are properly adjusted to maintain contact with the asphalt in order to prevent sealer from flowing outside of the “corral”.
- When using the AutoFlow™ Brush attachment, the arms of the female quick-connect cam and groove coupler may begin to open due to movement of the brush head. The locking pins provided will prevent this from happening, however, they may not always be the most convenient option. Alternatively, the arms may be secured by placing a small cable tie (zip tie) through the rings on the arms of the coupler and cinching it tight.
- When using the Dual Tip Attachment it is important to ensure that the tips are installed at a slight angle (see STEP 10 above) to prevent the spray fans from colliding with each other. This can potentially cause an irregular spray pattern. The Dual Tip Attachment is best suited for used in large, open areas free from obstacles. It is best utilized by applying sealer in long, straight patterns, walking one direction to the end of the area and then returning back in the opposite direction with the same partial overlap method used in conventional single tip spray application.
- When switching attachments, it is important to keep quick-connect cam and groove couplers clean and free of material to maintain proper performance. Ideally, attachments should be flushed with water or placed in a brush (water) box between uses to prevent material from hardening inside the attachment or on the surface of the coupler. If water is not readily available, the couplers should be thoroughly wiped clean. Wiping the couplers with a lubricant or solvent can also be helpful in keeping them free of material.
- It is recommended to flush the AdapTech™ Wand System between uses (when practical), or at the end of each work day to prevent sealer build-up within the system. In the event that material build-up occurs, the AutoFlow™ Brush Attachment and the Dual Tip Attachment include cleanout plugs which offer convenient access to the inside of the attachment for thorough cleaning.

- When it becomes necessary to replace the brush on the AutoFlow™ Attachment, it can be replaced by following a few simple steps:

1. Remove the existing brush by cutting off one end of the brush with a saw or other instrument and sliding it out of the channel. If a saw is unavailable, the brush can be removed by stepping on one end of the brush and bending the attachment back and forth a few times until the end of the brush breaks off. If the end is not flat enough to travel down the channel, flatten it with a hammer and then slide it out of the channel.

2. Insert a new strip brush into the channel and center it. The AutoFlow™ attachment uses standard strip brushes which are 12" longer than the attachment itself (i.e. the 24" attachment uses a 36" brush, and the 36" attachment uses a 48" brush), so there should be 6" of brush extending from each side of the attachment.

3. With the attachment lying flat on the ground, step on one end of the brush, and slowly lift up the other end of the attachment while keeping a firm grip on the brush in the channel to ensure that it remains centered. Repeat this process to bend the other end of the brush.

4. Once both ends of the brush are properly bent and in place, you can adjust the angle of the ends to ensure that both sides are making contact with the ground when the wand is being held at a comfortable height.

WARRANTY

One Year Limited Warranty

Panther Equipment, LLC products are warranted for one year against defects in materials and workmanship and to perform according to specifications furnished when such products are properly assembled, installed, used and maintained. Should any part prove defective within one year from date of purchase, the part will be replaced F.O.B. our location without charge, providing the part is returned to us, transportation charges prepaid. No allowance will be made for labor, transportation charges, or other charges incurred in the replacement of the defective part. Panther Equipment, LLC will not be responsible for labor charges, losses or damage caused by a defective part. Component parts, equipment, accessories and items not manufactured by Panther Equipment, LLC are warranted only to the extent of the original manufacturer's warranty. Consequential damages, if any, are specifically excluded from this warranty.