



Current Tools

FOR THE PROFESSIONAL ELECTRICIAN

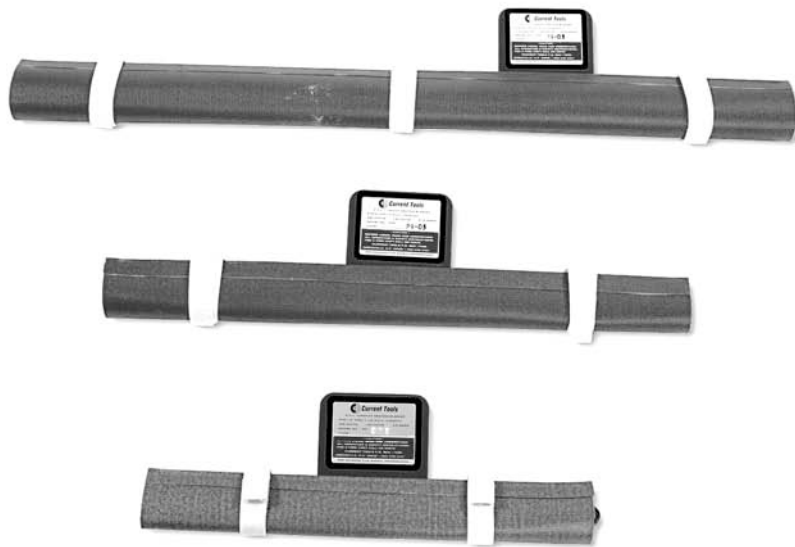
Current Tools™ PVC Heating Blankets

for heating schedule 20 through schedule 80 PVC conduit

Model 441 – 1/2" to 1 1/2" PVC Conduit

Model 442 – 2" to 3" PVC Conduit

Model 443 – 3" to 4" PVC Conduit



Operating and Safety Manual

01/07 REV. 1



Read and understand this material before operating this PVC Heating Blanket. Failure to understand how to safely operate this unit may result in serious injury or death.

This manual is free of charge. All personnel who operate this PVC Heating Blanket should have a copy of this manual and read and understand its content. To request a copy, call or write to the address below.

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PVC Heating Blankets

Retain Safety Information



This manual should be read and understood by all personnel who operate this heating blanket. Failure to understand how to safely operate this unit could result in injury or death. This unit should only be operated by qualified personnel.

Important Safety Information

1. Always wear hand protection when operating this unit and when bending PVC conduit.
2. Do not use in wet conditions.
3. Do not use if blanket is worn, torn or cut. Always inspect before each use.
4. Do not use near flammable materials.
5. Do not leave blanket unattended. Unplug when not in use.
6. Use for heating PVC conduit only. Do not use for any other purpose.
7. Use only for sizes specified on tag.
8. Only operate when full length of blanket is wrapped around PVC conduit.
9. Blanket has no serviceable parts. Do not attempt to repair.

Specifications

MODEL NO.:	441	442	443
CAPACITY:	1/2" to 1 1/2" PVC conduit	2" - 3" PVC conduit	3" - 4" PVC conduit
WATTS:	300	690	1120
VOLTS:	120	120	120
AMPS:	2.5	5.75	9.33

Materials Needed

- 1- Sponge or clean cloth
- 2- Bucket with water
- 3- Insulated gloves
- 4- Two 4"x4" x 12" pieces of wood



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PVC Heating Blanket

Operating Instructions

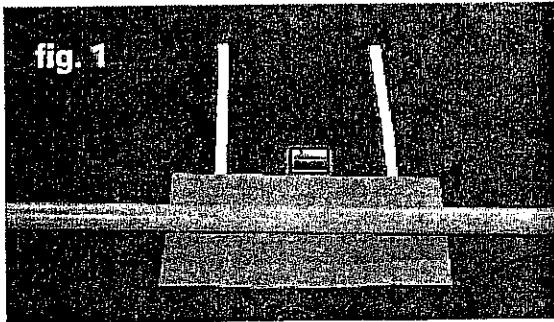


fig. 1

1- Check PVC Heating Blanket for cuts, tears or worn areas. Do not use if any of these conditions exist. Blankets have no serviceable parts.

2- Place the blanket under the PVC conduit as shown in figure 1.

3- Begin to wrap the PVC blanket around the conduit as shown in figure 2.

Continue to wrap the blanket snugly around the PVC conduit and secure the blanket in place with the velcro straps. The blanket should overlap the thermostat housing and the metal tag should be on the outside of the blanket. See figure 2.

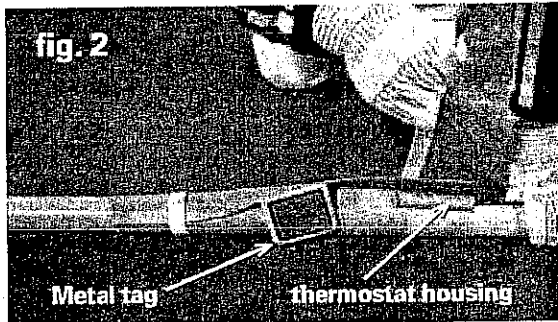


fig. 2

4- Next, with the blanket secure around the PVC conduit, support the PVC conduit as shown in figure 3. Two 4"x4" x 12" pieces of wood are recommended. This is to prevent damage to the blanket during the heating process.

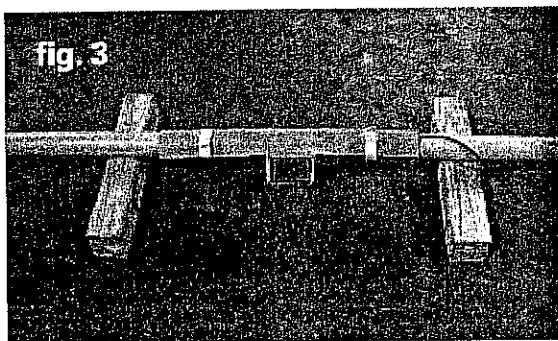


fig. 3

5- Plug in the PVC blanket. As the PVC heats, you can check for softness by pressing on the sides of the blanket. The PVC conduit is ready to bend when it becomes very flexible. **UNPLUG THE PVC BLANKET** and unstrap the velcro straps.

6- To bend the hot PVC conduit, place it on a clean flat surface and hand bend to the desired angle. The bend can be set by allowing the PVC to cool or you can decrease this time by rubbing the bend with a sponge or rag soaked in cool water. Remember to keep all liquids away from the PVC blanket.



fig. 4

NOTE: To prevent flattening and crimping during the bending process, Current Tools Plug Sets are recommended for 2" and larger PVC conduit.

NOTE: For large numbers of repeat bends, a jig made of wood is recommended.



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PVC Heating Blankets

Extension Cord Information

We do not recommend using an extension cord over 100' in length. See chart below for proper extension cord size.

MODEL #	EXTENSION CORD WIRE SIZE
441	16 awg
442	14 awg
443	12 awg

Heating Times (estimated)

Heating time will vary based on many factors including, but not limited to: wind conditions, surrounding temperature, temperature of unheated PVC conduit, ETC.

MODEL #	PVC SIZE	APPROXIMATE HEATING TIME SCHEDULE 40	APPROXIMATE HEATING TIME SCHEDULE 80
441	1/2"	3	4 1/2
441	3/4"	4	6
441	1"	5 1/2	6
441	1 1/4"	6	7
441	1 1/2"	6 1/2	8
442	2"	8	8 1/2
442	2 1/2"	9	11
442	3"	11	12 1/2
443	3"	8	12
443	3 1/2"	9	13
443	4"	10	13