

KDS806/806V VALVE CONTROLLER

FEATURES

- BASIC ON-OFF FUNCTION
- NO ELECTRICAL
- LOW COST
- DRIP-FREE VACUUM ACCESSORY (806V ONLY)
- NO MAINTENANCE



WARNING: A FILTERED AIR LINE IS REQUIRED TO KEEP THE WARRANTY IN EFFECT.

WARNING: WHEN USING VACUUM, BE CAREFUL NOT TO ALLOW MATERIAL TO BE SUCKED UP THROUGH THE HOSES AND INTO THE SHOT METER (CONTROLLER).



AVERTISSEMENT: L'UTILISATION D'UNE CONDUITE D'AIR AVEC FILTRE EST INDISPENSABLE SANS QUOI LA GARANTIE EST NULLE ET NON AVENUE.

AVERTISSEMENT: SI UN DISPOSITIF D'ASPIRATION EST UTILISE, VEILLER A CE QU'AUCUN OBJET NE SOIT ASPIRE DANS LES TUYAUX ET L'INJECTUER (CONTROLEUR).

WARNHINWEIS: DAMIT DIE GARANTIE NICHT VERFÄLLT, MUSS DIE DRUCKLUFTLEITUNG MIT EINEM FILTER VERSEHEN SEIN.

WARNHINWEIS: BEIM ARBEITEN MIT VAKUUM MUSS SICHERGESTELLT WERDEN, DASS KEIN MATERIAL DURCH DIE SCHLÄUCHE ANGESAUGT WIRD UND IN DAS DOSIERGERST GELANGT.

ATTENZIONE: UNA LINEA D'AIRIA CON FILTRO E' NECESSARIA PER MANTENERE VALIDA LA GARANZIA.

ATTENZIONE: QUANDO SI USA L'ASPIRAZIONE FARE ATTENZIONE A NON PERMETTERE AL MATERIALE DI ESSERE SUCCHIATO NEI TUBI E DENTRO IL MISURATORE DI INIEZIONE (CONTROLLORE).

UNPACKING

Unpack the shipping box and carefully inspect contents for any damage which may have occurred in transit. If such damage had occurred, notify the carrier at once. Claims for damage must be made by the consignee to the carrier.

WARRANTY

The KDS806 Foot Valve has been thoroughly tested and inspected, and has a 1 year warranty against defects in materials and workmanship from date of sale. **See page 7 for complete Warranty Information.** Repairs or parts replacement required as a result of defects will be made at no charge, if the KDS806 is returned freight pre-paid. Contact factory for return authorization. **A filtered air line is required to keep the warranty in effect.**

The Manufacturer or its distributors are not responsible for contingent liability.

OPERATING INSTRUCTIONS KDS806

1. Connect a filtered in-house air line with female quick disconnect to the male air fitting at the rear of the KDS806. House air should not exceed 100 PSI.
2. Air can be regulated by the black knob at the side of the KDS806. The gauge on the top of the unit indicates the air pressure which will be released when the foot pedal is activated. Turning the knob clockwise increases the pressure and when turned counter-clockwise reduces the pressure.
3. The female air outlet (#KDS901) is used to connect a syringe adapter via an air line and male air adapter (#KDS900). The operator inserts the KDS900 into the KDS901 and turns approximately 1/4 turn clockwise to insure the locking of the outlet.
4. The regulated air is released to the dispensing device by pressing down the foot pedal completely. The shot of air duration is controlled by the length of time the pedal is depressed.

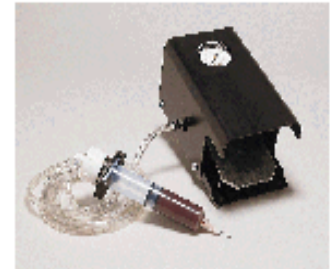


For timed (reproducible) shots and/or vacuum pull-back capability use dispensing units KDS824A or KDS834A.

NOTE: BE SURE TO PUSH PEDAL DOWN COMPLETELY OR AIR WILL BLOW OUT THE REGULATOR.

OPERATING INSTRUCTIONS KDS806V

1. Connect a filtered in-house air line with female quick disconnect to the male air fitting at the rear of the KDS806. House air should not exceed 100 PSI.
2. Air can be regulated by the black knob at the side of the KDS806. The gauge on the top of the unit indicates the air pressure which will be released when the foot pedal is activated. Turning the knob clockwise increases the pressure and when turned counter-clockwise reduces the pressure.
3. The vacuum can be controlled by the knob coming out the top/rear of the unit. By turning this, you will hear a hissing noise- this is the vacuum feature being activated. If you take your syringe out to the syringe adapter, and put your finger over the opening on the syringe adapter while turning the vacuum knob, you can more easily determine when the vacuum starts pulling. ****PLEASE NOTE: THE VACUUM DOES NOT INITIATE ONCE YOU HEAR THE HISSING- IT TAKES A FEW TURNS OF THE VACUUM KNOB BEFORE IT STARTS WORKING.****
4. Female air outlet (#KDS901) is used to connect a syringe adapter via an air line and male air adapter (#KDS900). The operator inserts the KDS900 into the KDS901 and turns approximately 1/8th of an inch clockwise to insure the locking of the outlet.
5. The regulated air is released to the dispensing device by pressing down the foot pedal completely. The shot of air duration is controlled by the length of time the pedal is depressed.



For timed (reproducible) shots and/or vacuum pull-back capability use dispensing units KDS824A or KDS834A.

NOTE: BE SURE TO PUSH PEDAL DOWN COMPLETELY OR AIR WILL BLOW OUT THE REGULATOR.

REPLACEMENT PARTS

Part Number	Description
KDS901	Coupler
KDS806RK	Repair Kit (2 Seals, O-Ring and Spring)
KDS806-RKR	Repair Kit and Regulator Repair Kit

WARRANTY

Cooper Tools warrants that the goods described in this warranty are free from defects in workmanship and materials for a period of one (1) year.

FOR BREACH OF THE EXPRESS WARRANTY AND ANY IMPLIED WARRANTY ON THIS PRODUCT, YOU ARE LIMITED TO THE FOLLOWING DAMAGES:

IF WITHIN ONE (1) YEAR FROM THE DATE OF PURCHASE, THIS PRODUCT FAILS DUE TO A DEFECT IN MATERIALS OR WORKMANSHIP, COOPER TOOLS WILL REPAIR OR REPLACE IT FREE OF CHARGE. IN NO EVENT SHALL COOPER TOOLS BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. COOPER TOOLS' LIABILITY FOR ANY CLAIMS ARISING OUT OF THIS WARRANTY SHALL NOT EXCEED THE PURCHASE PRICE OF THE PRODUCT.

NOTE: SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This warranty does not cover damage resulting from accident or from misuse or alteration of the product, including the use of a non-Weller or Cooper Tools parts.

The term of this warranty begins on the date the product is purchased by you, and continues for a period of one (1) year from that date.

To obtain performance of any obligation under this warranty, you must return the complete product prepaid, together with a description of the problem, approximate date of purchase, your name, address and telephone number to:

USA

Cooper Tools - Weller
1000 Lufkin Road
Apex, North Carolina 27539
Attn: The Repair Department
FAX: 919-387-2640
Phone: 1-800-476-3030

Canada

Cooper Tools
164 Innisfil Street
Barrie, Ontario, Canada L4N 3E7
Attn: Repairs
FAX: 1-800-403-8665
Phone: 705-728-5564 Ext. 2026

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

TROUBLE SHOOTING

Symptom	Solution
Controllers - General	
If material does not dispense:	<ul style="list-style-type: none">Check the quick disconnect fitting on the side of the unit and make sure the male portion (which is connected to a syringe adapter or valve) is properly connected. You must have it inserted and twisted 1/4 of a turn clockwise. If it isn't completely attached, air is not sufficiently getting to the syringe or valve.Make sure in house air is connected and regulator is turned on.
If you are not getting the proper amount of material:	<ul style="list-style-type: none">Adjust the pressure regulator accordingly to your application, to get the desired flow rate.Change the needle size to adjust to your application. Kahnetics offers needle gauges from 14 to 32 gauge.
If your hear air leaking:	<ul style="list-style-type: none">Check all fittings that may have hoses attached to them. Make sure they are fully attached, or clamped. Make sure the hoses do not have a crack or split in them. If so, disconnect the hose from the fitting or clamp, cut off about 1/4 inch, and re-attach. IMPORTANT: Please do this when the unit is disconnected fully from the air source. It is also a good idea to unplug the unit.Ensure vacuum is turned off. When vacuum is turned on, it is normal to hear a hissing sound.
Dripping out of a syringe:	<ul style="list-style-type: none">Turn the syringe upside down, and in manual mode, dispense material into paper towel with the syringe upside down. This may release any trapped air between the syringe tip and the needle.Make sure there is no air trapped between the stopper inside the syringe and the material. If the stopper is not flush against the material-please do the following:<ul style="list-style-type: none">With plastic stoppers in syringe: take the adapter off the syringe so you can access the back of the syringe. With the rubber end of a pencil, push the stopper flush against the material.With rubber stoppers in syringe: take the adapter off the syringe so you can access the back of the syringe. Take a paper clip, and extend it straight, and insert it in the back end of the syringe-towards any side of the rubber stopper. Keep on pushing the paper clip until it comes in contact with some material. Then take a rubber end of a pencil and push the rubber stopper flush against the material.If there is a lot of air mixed in your material, re-load a new syringe with material trying to keep the syringe as air-free as possible.Replace the needle with a new one. Try using a tapered plastic needle instead of the straight design metal/plastic needles. This may create less opportunity for dripping.Always use the largest orifice (needle) and the least amount of air pressure in combination to achieve optimum results.