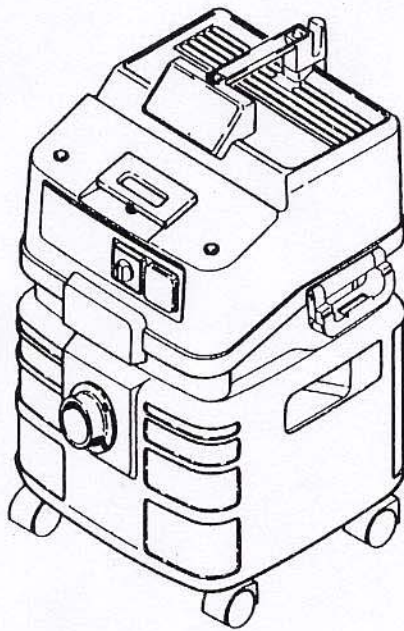


# **CS 34 K** INDUSTRIAL VACUUM CLEANER

1.734-471



**OWNERS MANUAL**



5.956-001 (01/97)

### ***Vacuum cleaner CS 34 K with following features:***

- Connect an electric power tool to the vacuum cleaner. If you switch on the power tool the vacuum cleaner switches on and off automatically, and removes your dust into the tank.
- If in wet suction operation the tank is full the vacuum cleaner switches off automatically.

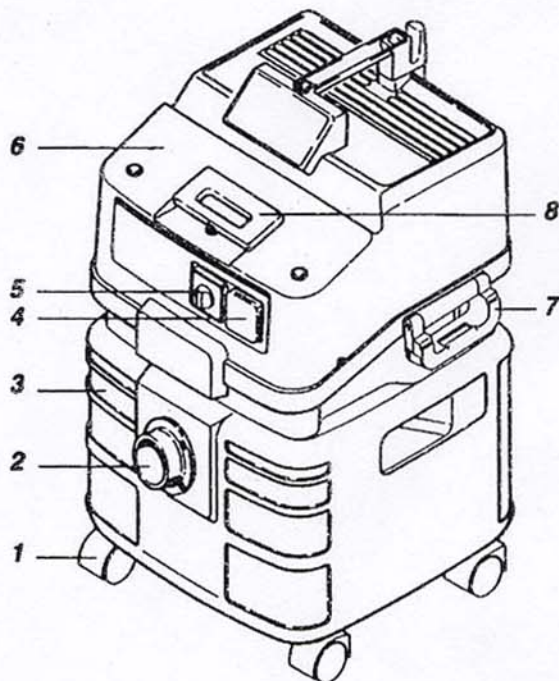
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## 1. Diagram of the unit

- 1 Castors
- 2 Suction hose connection
- 3 Tank
- 4 Power tool socket
- 5 Control switch (1-0-2)
- 6 Cover
- 7 Tank lock
- 8 Cleaning device



## 2. Technical data

<b>Voltage:</b>	<b>V</b>	115/1-60 Hz
<b>Vacuum motor:</b>		
Power	<b>HP</b>	1.3
Vacuum	<b>in. water lift</b>	90
Nominal air flow rate	<b>(CFM) cu. ft/min</b>	106
Sound level	<b>dB(A)</b>	68
<b>Dimensions and weights:</b>		
Length x width x height	<b>inches</b>	17 5/16 x 15 6/8 x 26 3/8
Weight	<b>approx. lbs</b>	32
<b>Filter area:</b>	<b>sq in</b>	2325

### 3. Important information










Please comply with the following points **before** starting up the unit:

If on unpacking the unit you discover damage has been caused in transit, please inform your dealer.

The voltage on the rating plate must correspond to your voltage supply.

The unit should be fused with a type L circuit-breaker with a rated current of 20 Amp, or with a 20 Amp fuse.

#### Important safety information

-  - Never extract explosive liquids and dusts or undiluted acids and solvents with the unit! This includes gasoline, paint thinners and fuel oil which may form explosive vapors or mixtures when mixed with the suction air. Furthermore, acetone, undiluted acids and solvents corrode the materials used in the unit.
-  - The unit must not be operated in potentially explosive locations.
-  - When operating in the dust extraction mode (position 1), the unit must not be used to extract flammable materials.
-  **DANGER OF ACCIDENTS!** To prevent unintentionally starting of power tools, switch off the power tool.
-  - When cleaning and maintaining the unit, replacing parts or switching over to another function, the vacuum motor must be switched off and the plug removed from the power supply (eg. wall socket).
-  - Do not run over, crush or pull the mains power cord, otherwise it may be damaged. Protect the cable from heat, oil and sharp edges.
-  - The mains connecting cable must be examined regularly for damage or aging. The unit must not be used if the mains connecting cable is not in perfect condition.
-  - When replacing the power cord for this unit, only cable types specified by the manufacturer may be used. Please consult your dealer.
-  - Use only original spare parts!



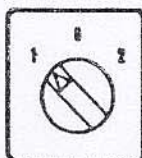
## 4. Operation



Do not use without a filter or a paper filter bag, otherwise the vacuum motor will be damaged and the increased discharge of fine dust will create a health hazard!

### 4.1 Start-up

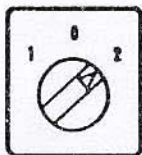
The unit has 2 operating modes which can be selected on the control switch.



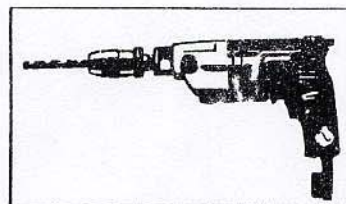
**Ordinary vacuum cleaner**  
Used for wet and dry-suction



*Connect the suction hose and, attach suction nozzle.*



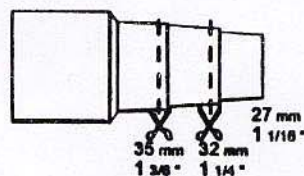
**Dust extraction mode**  
Option of operating electric tools automatically via grounded socket (see 5.2 dry-suction automatic operation).



*Attach adapter to suction hose:*

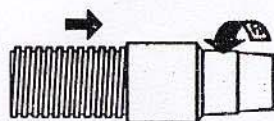
#### Step 1

Adjust adapter to the diameter of the connection nozzle of the electric tool.



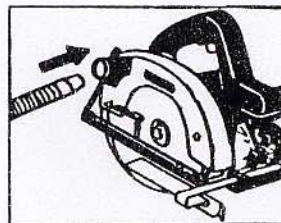
#### Step 2

Unscrew of the connection sleeve, screw the adapter onto the suction hose.



#### Step 3

Connect suction hose with adapter to power tool.



### 4.2 Turn off

- Turn control switch to position 0, OFF.

## 5. Application

The filter in the suction head can be cleaned from the exterior with a manual cleaning device (see position no. 8 of diagram on page 3). To clean the filter turn the handle back and forth several times.

The unit is equipped to operate in either dry or wet-suction mode.



The paper filter bag must be disposed of carefully when extracting hazardous dust (see 6.3 changing the filter bag).

### 5.1 Dry suction

- Control switch position 1

Normal dirt and coarse dirt are easily extracted with the filter cassette and paper filter bag.

### 5.2 Dry suction – automatic operation (dust extraction mode for power tools)

- Control switch position 2

When operating with the electric tool (automatic operation via the grounded socket), the electric tool is plugged into the grounded socket on the unit and the switch set to position 2. The vacuum will then automatically switch on and off at the same time as the tool.

#### SPECIAL FEATURE: \_\_\_\_\_

- soft start up and cut-out delay, i.e. vac operates after tool is turned off. This removes material in the suction hose.



*The integrated electronics have a starting delay of 0.5 s for the vac motor and a cut out delay time of 15 s. Tools from 150 W to 1200 W may be connected.*

### 5.3 Wet-suction

- Control switch position 1

The surface filter remains installed in the unit.

#### SPECIAL FEATURE: \_\_\_\_\_

- If the maximum water level is reached the electronic overflow protection device switches the unit off.



The electronic sensors and the plastic casing near the sensors must be cleaned occasionally and then wiped dry (see Trouble-shooting).

**Warning:** Disconnect power supply!

- Drain the tank after every use and wash out if necessary.
- Suction hose and suction tubes can be washed out with water.



## 6. Care and maintenance

Repairs may only be carried out by specialists, and original spare-parts must be used.



Always disconnect vacuum plug from the power supply socket before carrying out any maintenance work.

### 6.1 Basic maintenance

Always disconnect vacuum plug from the power supply socket before carrying out any maintenance work.

#### Daily Inspection:

- Visual check

#### Monthly Inspection:

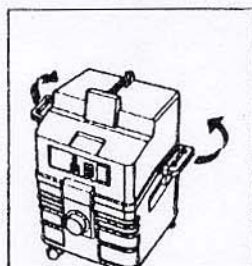
- Check for leaks in the unit
- Check for damage to the filter
- Clean electronic sensors (two prongs for sensing liquid)

#### Annual Inspection:

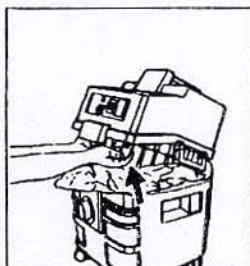
- Annual overhaul

### 6.2 Changing the filter

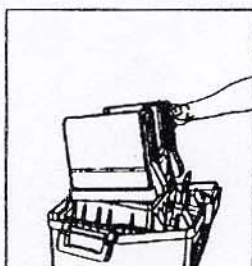
- To change the filter, unlock the cover (A).
- Only lift at the front and release with the catches (both simultaneously) (B).
- Hang the frame with the new filter on the eyelets and lock firmly in place with the catches (C). **Dispose of the old filter carefully.**



A



B



C

### 6.3 Changing the paper filter bag

Put the full filter bags into a disposal bag and dispose of carefully.

#### Inserting filter bags:

- Remove the hood from the tank
- Put the filter bag onto the tube elbow in the tank.
- Lock the tank with the cover.

## 6.4 Maintenance work

Have electrical components checked and maintained by a specialist.

After using the unit, always check the exterior for damage and leaks.

## 7. Accessories

Paper filter bag (10 pcs.)      Order no.    6.904-090

Flat filter      Order no.    5.731-053

Adapter      Order-no.    5.453-016

Crevice tool      Order-no.    6.900-385



## 8. Trouble-shooting

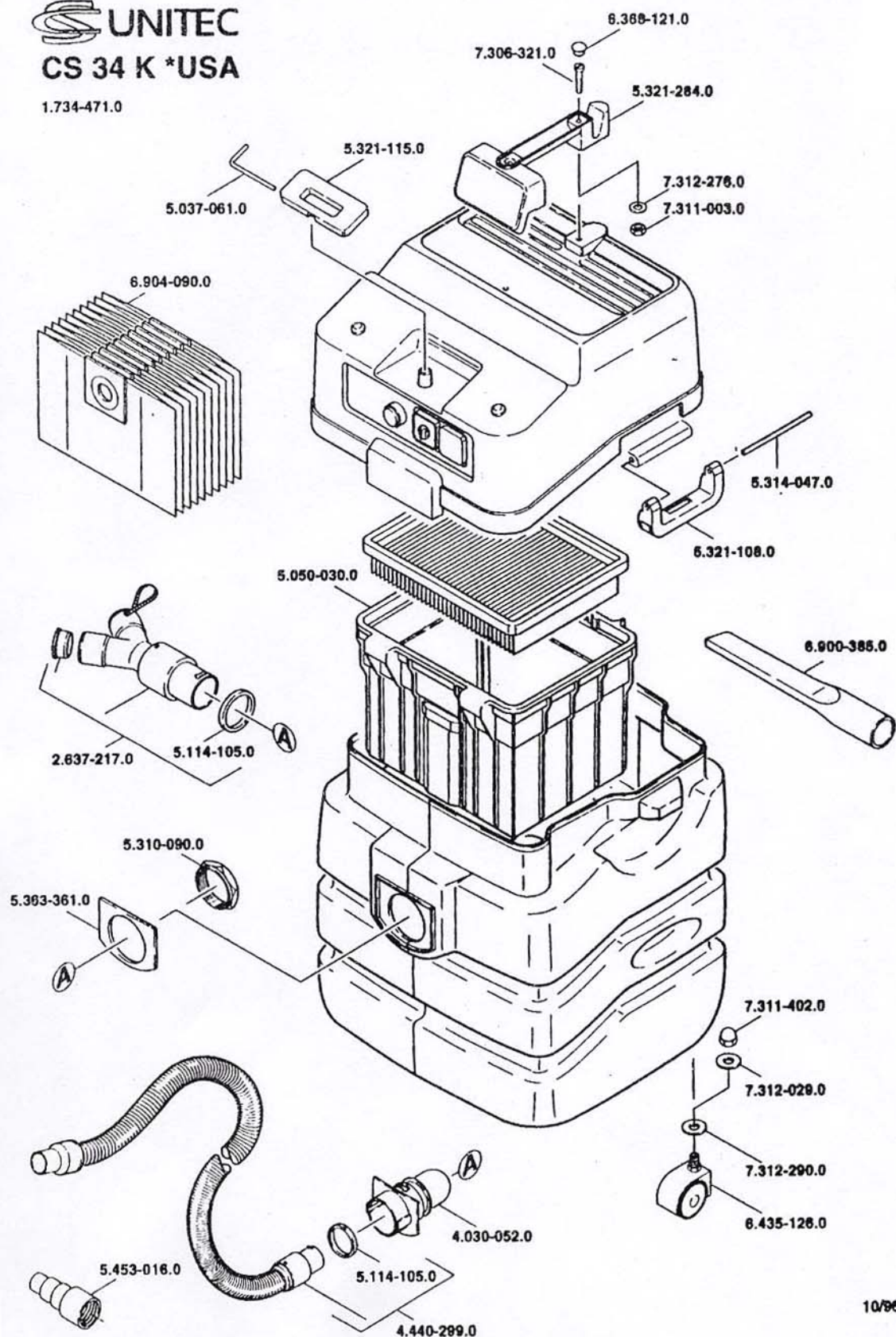
This may help you to rectify malfunctions by yourself

Problem	Cause	Remedy
<b>Motor (vacuum) does not start</b>	No voltage	Check fuse, cable, plug and socket
	Control switch is switched OFF, position 0	Switch to position 1 or 2
<b>Vacuum shuts off</b>	Maximum water level in the tank	Switch off unit, drain tank
<b>Suction force is gradually decreasing</b>	Filter, nozzle, suction hose or suction tube are blocked	Check, clean accessories, clean filter with filter cleaning device
<b>Dust is escaping from the vacuum cleaner</b>	Filter not correctly fitted or damaged	Check filter seat or replace
<b>Automatic shut-off device is not operating in wet-suction mode</b>	Electronic sensors are dirty	Clean and wipe dry



# **UNITEC** **CS 34 K \*USA**

1.734-471.0



10/98