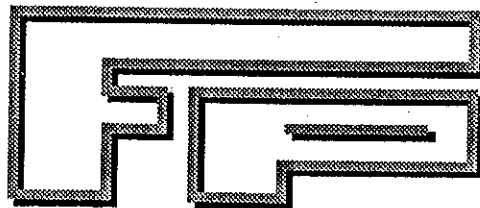
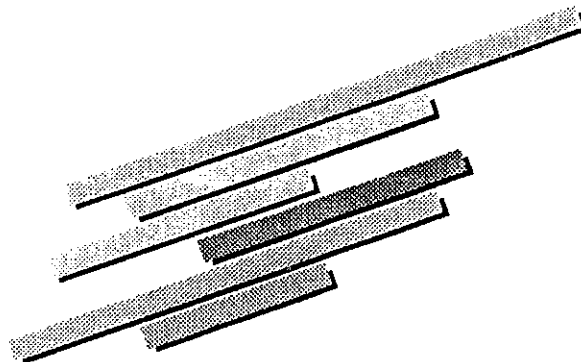

**SERVICE
MANUAL**

TBV 70



**FILLON PICHON
U.S.A. INC.**

Dear User :

Thank you for choosing a FILLON PICHON product. It has been carefully designed to enable you to prepare and blend your paints in total comfort and safety.

Your Console has been shipped so as to ensure easy assembly and installation. It should reach you in perfect condition. If not, we would like to know

This manual will enable you to obtain maximum performance from your new Console. To prevent accidents, ***we strongly recommend that it be read fully by all operators***, and kept in a safe place for future reference

Yours truly,

A handwritten signature in black ink, appearing to read 'R. Fillon', written in a cursive style with a long horizontal flourish extending to the left.

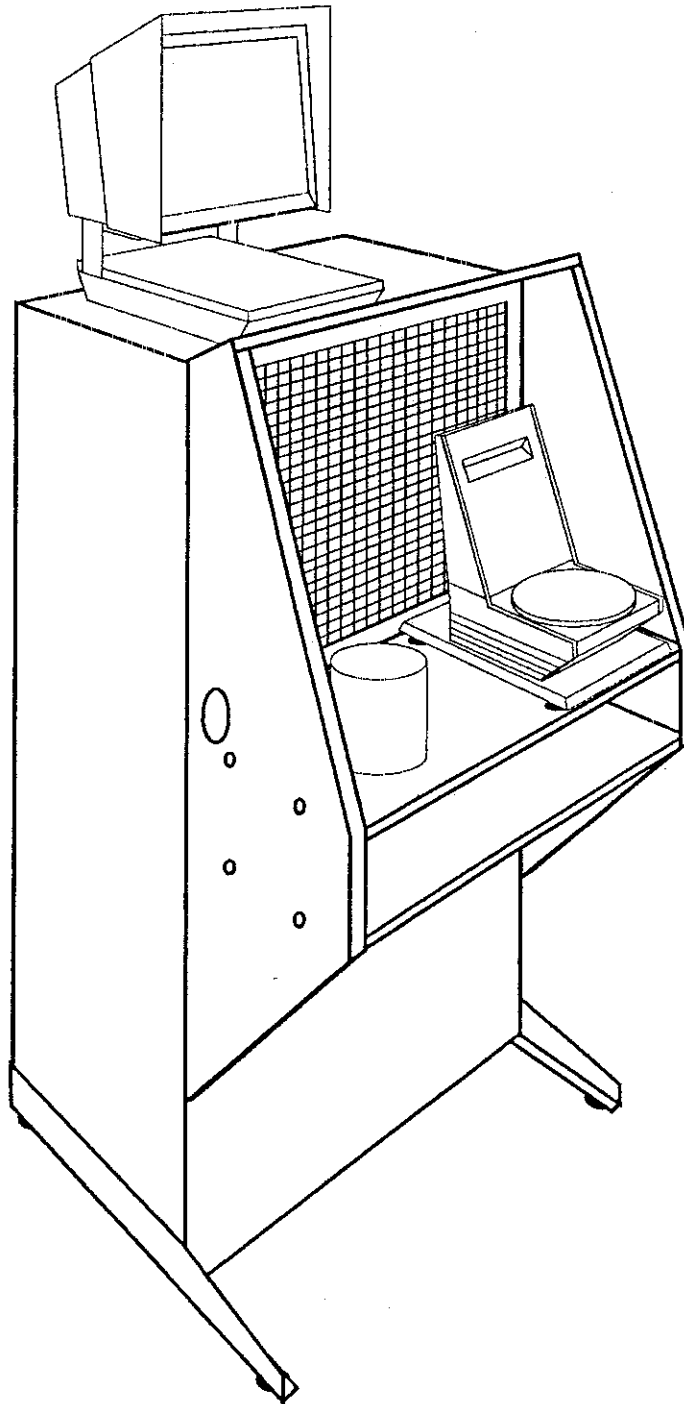
Roger Fillon, President
Fillon Pichon USA Inc

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VENTILATED MIXING CONSOLE REF: Y65.2339.00.C14

THE EQUIPMENT



THE EQUIPMENT

DESCRIPTION

The TBV70 Ventilated Mixing Console is designed to make your work as a chemist or blender both safe and comfortable by immediately evacuating all volatile solvent vapors from the work area before they can enter your eyes, nose or throat. The extra-large carbon-activated filter screen eliminates unclean air efficiently and quietly.

TECHNICAL SPECIFICATIONS

- Single-phase electrical equipment 115 V - 60 Hz
1/4 HP explosion-proof motor and mechanical ON/OFF push-rod
- 26" x 17" x 7/8" replaceable carbon-activated filter
- Suction speed at work surface: 10 to 16 ft/sec
(measured using 16 ft. extraction hose)
Unclean air is filtered through back panel and expelled through a 6" diameter coupling sleeve
- Adjustable air suction rate: from 230 cfm to 400 cfm.
- Net weight : 152 lbs

THE EQUIPMENT

Your Ventilated Mixing Console is shipped partially assembled and in a single carton.

- 1) *The Main Unit*
This is fully assembled in our factory and houses the motor-fan assembly. Simply add the 2 stabilizer feet.
- 2) *The Front Housing*
The 5 parts of the front housing (work surface, document shelf, 2 side panels, top panel and ON/OFF push rod) are simply assembled onto the main unit at place of installation. (See page 6.)

IMPORTANT

Your Mixing Console is supplied with a Fully Approved explosion-proof electrical motor. (UL & CSA approvals : Class 1, Div. 1, Group D). Power supply and other electrical connections must conform to all Federal, State and local regulations, and should only be carried out by a fully qualified electrician.

ASSEMBLY AND INSTALLATION

REF: Pages 6 & 7

I. TO ASSEMBLE FRONT HOUSING

Your Mixing Console has been shipped upside down for easy attachment of stabilizer feet.

- Mount feet to main unit using 4 large bolts
Make sure feet are facing inward, with tapered side toward the front.
- Gently tilt unit onto its feet.
- Attach side panels to unit
- Attach push rod bracket to underside of document shelf.
- Attach document shelf, lip-side down, to side panels. Do not tighten bolts.
NOTE : bracket should be hanging under document shelf, on the left hand side.
- Remove black caps from side panels. Gently slide stainless steel work surface in place. Tighten bolts on both shelves. Replace caps.
- Attach top panel, lip side down.

II. TO MOUNT ON/OFF PUSH ROD

- From rear of Console, pass push-rod through large hole in main unit and into smaller holes of bracket.
- Hook angled end of push-rod to upper end of control arm.
Tilt the arm for easier attachment.
- Screw control knob onto push rod.
- Using adjustable feet, make sure your Console is level
A bubble level is provided.

DIGITAL SCALE OWNERS :

Your Mixing Console has been specially designed to accommodate a digital scale. An anti-vibration plate is available. This will eliminate any "display flutter" on your scale caused by the motor-fan unit
The black caps on the side panels can be removed to allow scale cable to pass through to either the right or left.

ASSEMBLY AND INSTALLATION

III. MOTOR ASSEMBLY

Your Mixing Console is supplied with a UL/CSA Fully Approved explosion-proof motor (Class 1, Division 1, Group D).

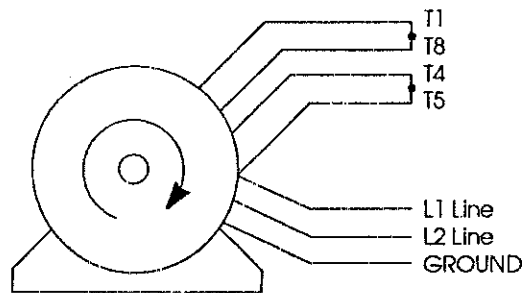
Power supply and other electrical connections must conform to all Federal, State and local regulations, and should only be carried out by a fully qualified electrician.

ELECTRICAL SUPPLY : 115 VOLTS - 60 Hz - single phase

The motor has been pre-wired (connections insulated) and tested before leaving the factory. The wiring diagram is for use by a qualified electrician, should any of the wires need to be reconnected

IMPORTANT

1. Check that the motor rotates clockwise.
(see wiring diagram below and arrows on motor).
2. Mixing Console must be fully grounded.
3. Mixing Console should only be installed in a damp-free area



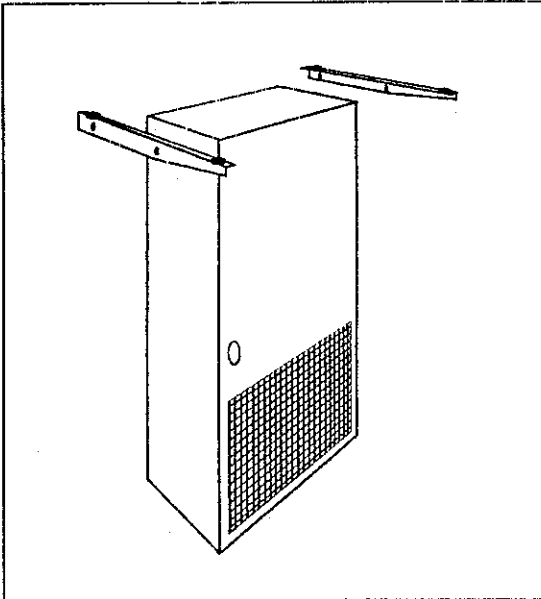
IV. AIR EXTRACTION

Your Mixing Console is designed to filter paint vapors and expel the purified air to an outside area by means of a suitable length of 6 inch diameter flexible hosing (not supplied) attached to the outlet at the rear of the Console. Make sure hosing is firmly secured at all points between the Console and outdoors, and avoid sharp bends in the hosing

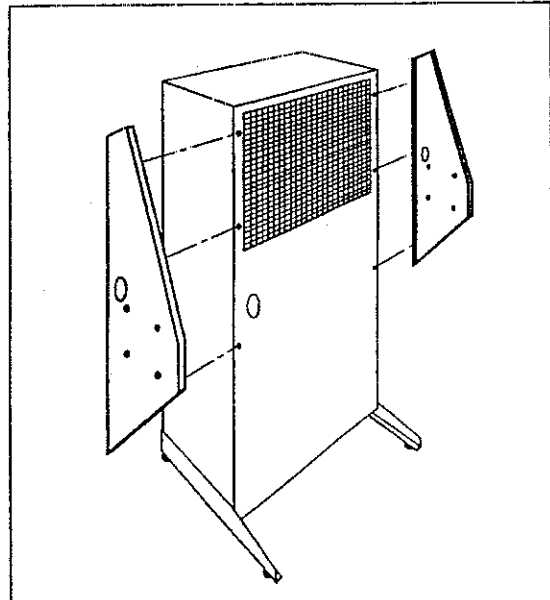
OPTIONAL ACCESSORIES

Box of 3 replacement Filters	03.14.07A
Extra-high Feet (raises work surface 3')	23.36.35(L) 23.36.36(R)
Anti-vibration plate	04.10.18

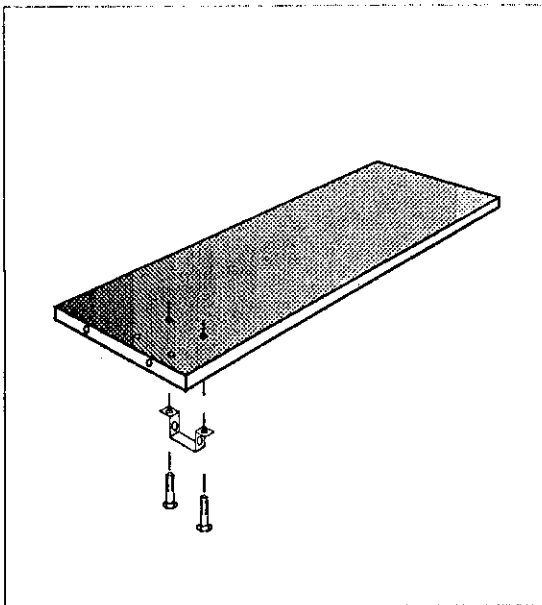
ASSEMBLY AND INSTALLATION



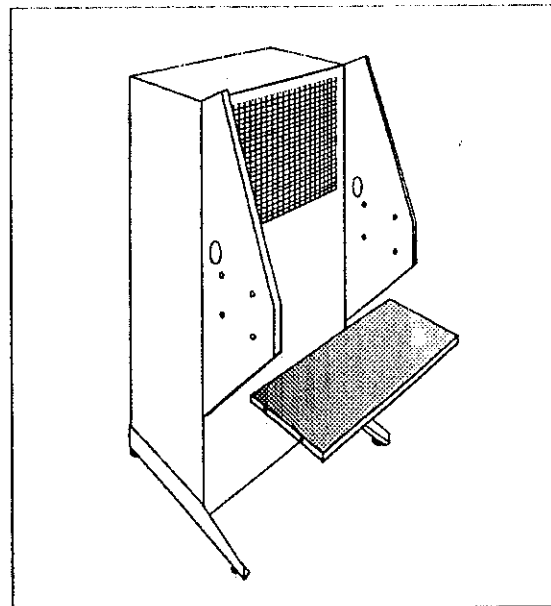
1. Mount feet using 4 large bolts. Make sure they are facing inward, with tapered side towards the front.



2. Gently tilt machine upright. Attach side panels.

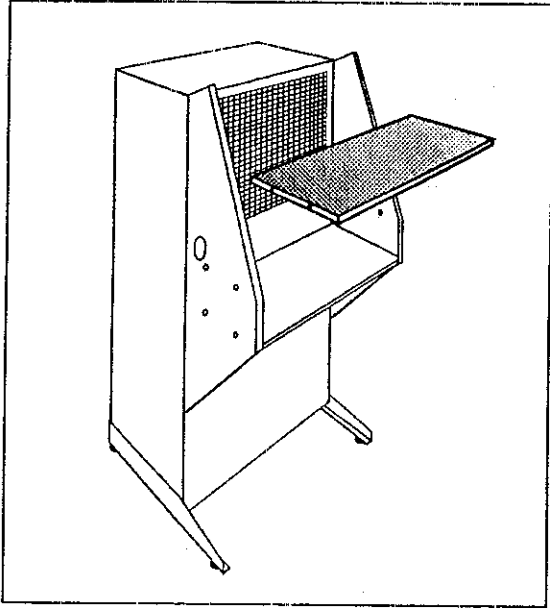


3. Attach push rod bracket to underside of document shelf.

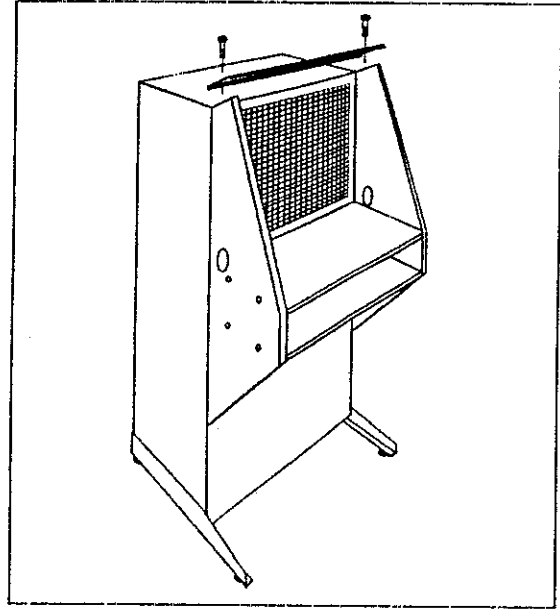


4. Attach document shelf, lip side down, to side panels. Do not tighten bolts.

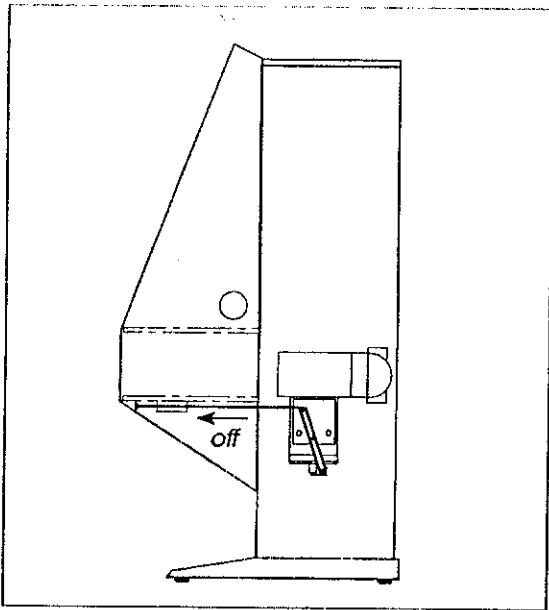
ASSEMBLY AND INSTALLATION



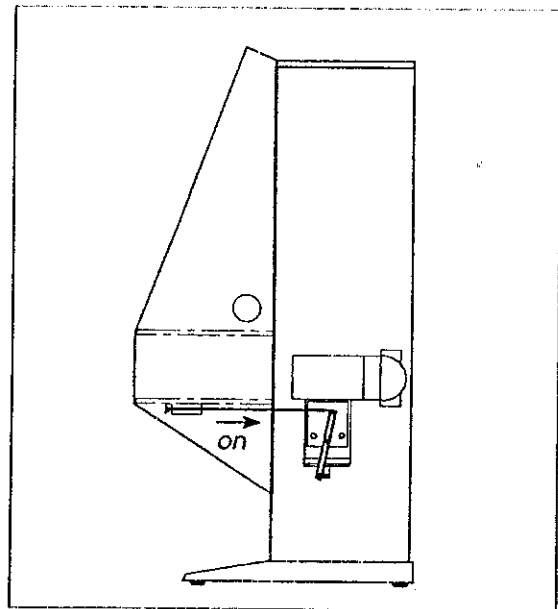
- 5 Remove black caps from side panels. Slide work surface into place. Tighten bolts. Replace caps.



- 6 Attach top panel, lip-side down



7. Mount ON/OFF push rod.



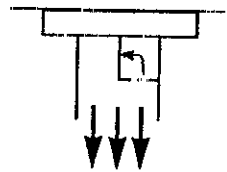
8. Make sure your Console is level. Extra high feet are available, if you wish to raise the work surface (3').

COMMISSIONING AND OPERATION

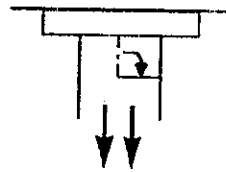
Before first using your Mixing Console, check that :

1. The operator has seen and read all CAUTION markings and texts on the Mixing Console and in the *Service Manual*.
2. The power supply is compatible with the power rating of the Mixing Console.
3. All electrical connections are covered.
4. All nuts and bolts are tight. They may have worked loose in transport.
5. The Mixing Console is installed away from any source of heat (explosive vapors).
6. The air exhaust outlet must be connected to a conduit which will carry the air to the outside of the building. Use 6-inch diameter hosing, with smooth inside walls. Avoid using elbows.
7. Air flow can be adjusted by means of a lever located on the air exhaust outlet at the rear of the Console:

MAXIMUM FLOW



MINIMUM FLOW



8. CAUTION : Do not use Console for spray work.

ROUTINE AND ELECTRICAL MAINTENANCE

ROUTINE MAINTENANCE :

Your Mixing Console will serve you longer, and risk of accidents will be reduced, if regular maintenance is carried out

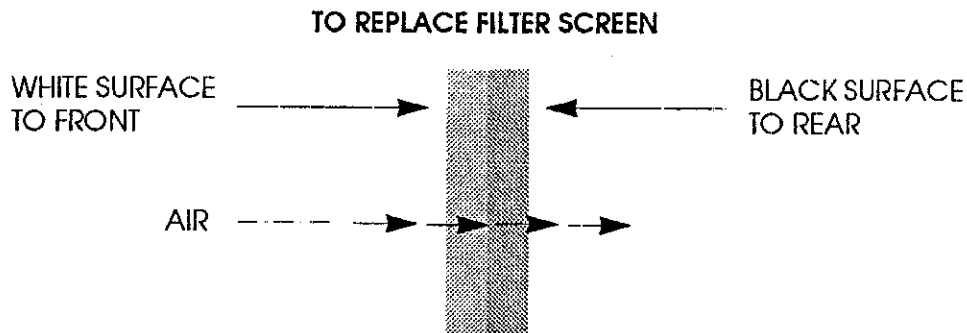
DAILY :

Remove all paint residue after each use of the Mixing Console, or at the end of the day. Use a standard, non-abrasive thinner. NEVER USE WATER TO WASH DOWN THE MIXING CONSOLE

MONTHLY :

Filters should be replaced at least once a month. The filter is designed to trap and hold the toxic particles which are drawn in. To replace the filter, simply loosen the two black knobs on the filter frame and insert a fresh filter. The white side should be facing you, black side to rear of machine. Follow arrows on filter

NOTE : Replacement filters are available in boxes of three from Fillon Pichon or from your local TBV 70 supplier.



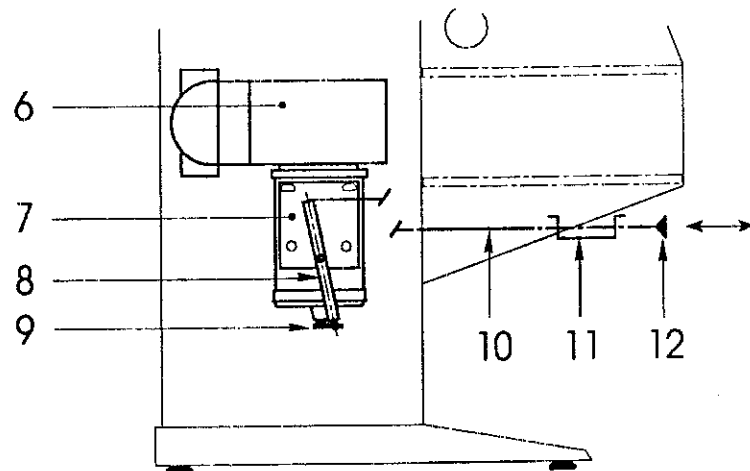
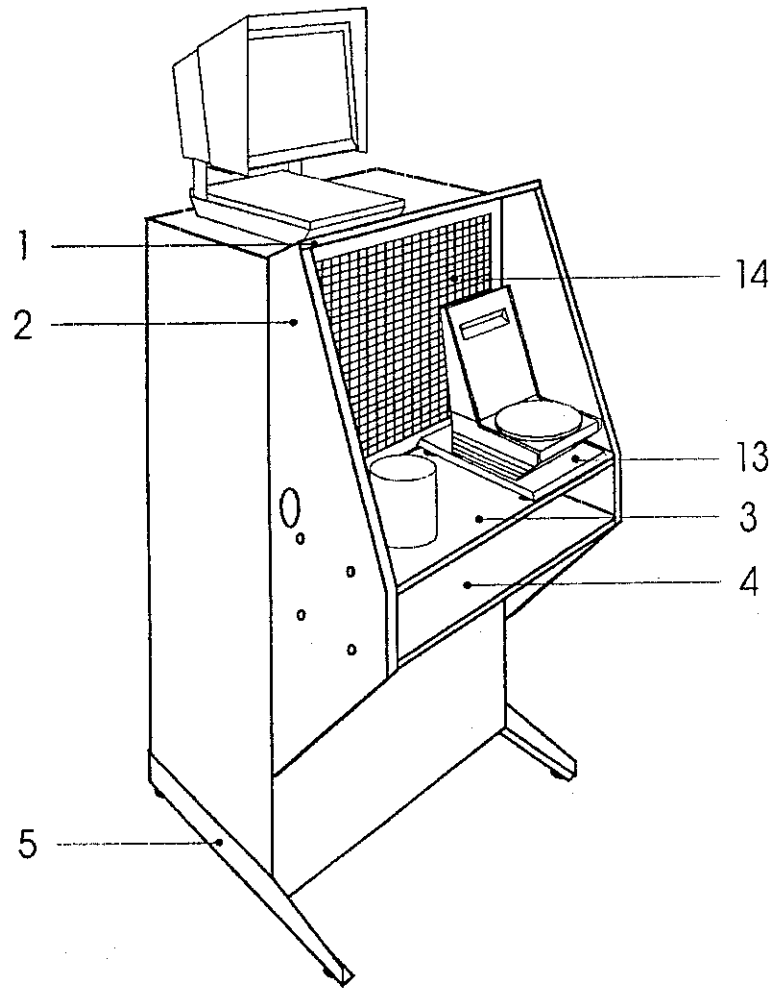
ELECTRICAL MAINTENANCE

CAUTION :

Before removing any protective covers, and prior to any maintenance or repair operation, make sure the Mixing Console is switched OFF (if possible, disconnect unit).

Any check, adjustment, or repair to any electrical component (motor, connections, etc...) should only be carried out by a fully qualified electrician.

PARTS DIAGRAM



PARTS LIST

1	Front Top Panel	23.36 40
2	Side Panel - left	23.36 71
	Side Panel - right	23.36 72
3	Stainless Steel Work Surface	23.36 60
4	Document Shelf	23.36 50
5	Stabilizer Feet - left	23.36.31
	Stabilizer Feet - right	23.36 32
6	Fan housing, complete	08.49 00
	Fan only	03.10.10
7	1/4 HP XP Motor 115 V - 60 Hz, Single phase	06.01 80
8	Control Arm	23.39 03
9	Control Lever (with screw)	23.39 04D
10	ON/OFF Push Rod	05.01 133
11	Push Rod Bracket	23.39.02
12	Control Knob	03.06 04
Accessories (Optional) :		
13	Anti-Vibration Plate	04.10.18
14	Filter Screen (Box of 3)	13.14.07A
--	Extra-high Feet - left	23.36.35
	- right	23.36.36

SUMMARY OF CAUTIONS

1. The Mixing Console should be installed in a damp-free place, away from any source of heat (explosive vapors).
2. Installation of the Mixing Console, as well as any check, adjustment, or repair of any electrical component (motor, switch, connections, etc...) should only be carried out by a fully qualified electrician. Installation should be in accordance with all Federal, State and local regulations, and the Mixing Console must be **fully grounded**.
3. All electrical connections should be fully covered at all times
4. Prior to any maintenance or repair operation, make sure the switch is locked in the OFF position (unit fully disconnected, if possible).
5. The air exhaust outlet must be connected to a conduit which will carry the air to the outside of the building. Use 6 inch diameter hosing, with smooth inside walls. Avoid using elbows if possible.
6. If the Console is to be installed in a small room, the room should be fitted with a fresh air intake grille
7. Never use water to wash down the Mixing Console.
8. Do not use the Console without a filter.
9. CAUTION : Do not use this Console for spray work

The manufacturer cannot be held responsible for any accident resulting from non-compliance with the cautions contained in this manual or affixed to the Mixing Console, nor in the case of a Mixing Console modified without prior knowledge and consent of manufacturer.

WARRANTY

FILLON PICHON USA INC warrants its products to be free from defects in material and workmanship under normal use and service.

FILLON PICHON USA INC will replace and/or repair any part of its product which it determines is defective for a period of twelve (12) months after delivery of the product to the original end user. Not included under the terms of this warranty are parts which require replacement due to normal wear and tear (filters, belts, etc).

All Warranty claims should be made by contacting the company which was responsible for selling the product to the original end user. Under no circumstances should the product or any part thereof be returned to the factory for inspection, repair and/or replacement without the express written consent of FILLON PICHON USA INC

This Warranty is expressly in lieu of all other warranties and representations expressed or implied, and all other obligations and liabilities on the part of FILLON PICHON USA INC

All electrical components of the product furnished by FILLON PICHON USA INC but not manufactured by FILLON PICHON USA INC are warranted specifically by their respective manufacturers and FILLON PICHON USA INC makes no claims with respect to these items.

This Warranty shall be valid for the Warranty period, as long as the product has been properly installed or repaired by a fully qualified electrician or mechanic. The Warranty shall be void if the product has been subjected to unauthorized modification, misuse, neglect, accident or non-compliance with instructions in the Service Manual.

This Warranty is for the sole benefit of the original end user and is not assignable or transferable. The term "original end user" in this Warranty shall be deemed as that person or entity for whom the product was originally installed.