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KIESELGUHR-FILTER GENERAL MAINTENANCE AND OPERATING INSTRUCTIONS



LOOSE ACCESSORIES NORMALLY INCLUDED (Fig. 3)

COD.

DESCRIPTION

- | | |
|----|--------------------------|
| 1 | Moplen dish |
| 2 | Collar with toroid joint |
| 8 | Lower stopper plate |
| 9 | Hexagonal key 32 mm |
| 10 | Upper stopper plate |
| 11 | Stainless-steel strainer |
| 12 | Nylon bag; approx. 6 m |
| 13 | Elastic fixing band |

10



8



ACCESSORIES ON REQUEST

- | | |
|----|--|
| 12 | Replacement nylon bag |
| 15 | 10 m. non-toxic reinforced hose for connecting filter/receptacle, with hose-securing tape. |
| 10 | Fossil flours in 20-25 kg bags. In all granulometries normally on sale in shops. |

a) INSTALLATION

Connection to the electricity supply must be carried out using effective earthing and a suitable switch; to this end we recommend engaging a qualified person. The manufacturer cannot accept any liability in the event of failure to observe this rule.

Do not douse or immerse the electric motor in any circumstances, to avoid causing serious damage that may invalidate the guarantee.

The filter is supplied with no internal lubrication.

Moreover, when purchasing hoses, keep in mind that they need to possess the following characteristics:

Interior diameter 16 mm, resistant to lengthways compression (fig. 1)

Air intake hose A of 1 to maximum 5 metres from the pump to the wine for filtering.

Reverse-flow hose M, of 1 to maximum 5 metres from the filter to the wine for filtering.

Discharge hose S, from the filter to the wine for filtering (supplied).

b) DISMANTLING THE BELL-JAR

Remove the S hose to allow easy anticlockwise rotation of the fly-wheel. Withdraw the bell-jar.

c) ASSEMBLING THE BELL-JAR

Position the lower edge at the centre of the filter base, using the rubber liner as guide. Position the fly-wheel's screw at the centre with the threaded internal hose. Screw down firmly in place, turning clockwise. Reconnect the S hose.

d) CLEANING THE FILTER

Essential whenever:

- 1- the filter's internal pressure reaches its maximum level.
- 2- one is changing over from red to white wines.
- 3- one has completed wine-filtering operations.

Preliminary operation: empty the cylinder (with the motor running). Remove hose A from the wine to be filtered. Position the Moplen dish supplied under valve M. Unscrew and remove the reverse-flow hose. Wait until the filtered wine ceases to flow out of valve M. Open up drain cock S. Shut down the motor and detach the electric plug. Dismantle the bell-jar as described above. Dismantle the internal assembly together with its sack or cartons; clean all components.

e) INSTALLATION OF EQUIPMENT WITH RESPECT TO BAGS

Insert the lower stopper plate into the hose (8), ensuring that the rounded lower part is placed centrally over the rubber liner at the base of the filter. Insert strainer 1 into the opposite seat of the lower stopper plate 8, with its smooth-edged part turned downwards. Insert the upper stopper plate 10 (grey, with no rib). Screw the collar with the hexagonal head firmly in place using the key supplied, ensuring you do not damage the watertightness ring inserted into the collar itself.

INSTALLATION OF NYLON BAG

The new bag must first have been immersed in lukewarm running water (« (40°), and then stretched out to dry.

Pass the bag up to the lower edge of the stainless-steel strainer. Connect its outlet to the position of the smooth part, leaving no gap below the edge.

Fold the entire bag uniformly (fig. 2), connecting the end of the outlet at the level of the upper collar. Leave the four lateral gaps free over the central hose.

Use the remaining elastic tapes to fix the folds in place at regular intervals. Assemble the bell-jar as in point c).

f) FILTRATION

First of all, install a receptacle of 30-40 litre capacity, which must be kept filled with wine for filtering.

Blend 300 – 400 gr fossil flour of the type recommended by your retailer into the wine. Fill the wine pump. Start up the motor by activating switch 1.

Depending on the wine to be filtered, and whether it involves coarse or fine filtration, there is good reason here to operate the valves and taps differently.

1. Operation to be carried out in cases of coarse filtration of worts and sedimented wines:

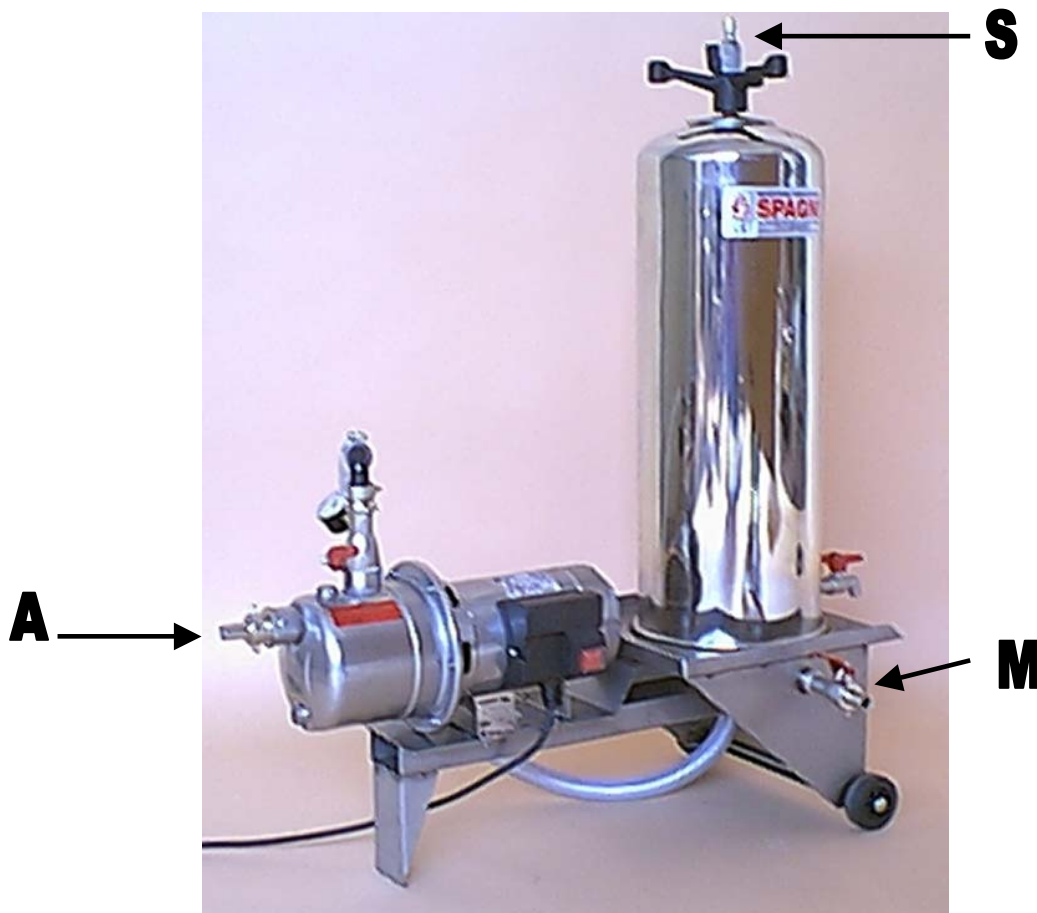
Hose M is fixed directly into the filtered wine over the empty receptacle. Tap S will be kept in the open position at the outset, to be shut off gradually as the filter's interior pressure increases.

2. Operation to be carried out in cases of fine filtering of cloudy wines.

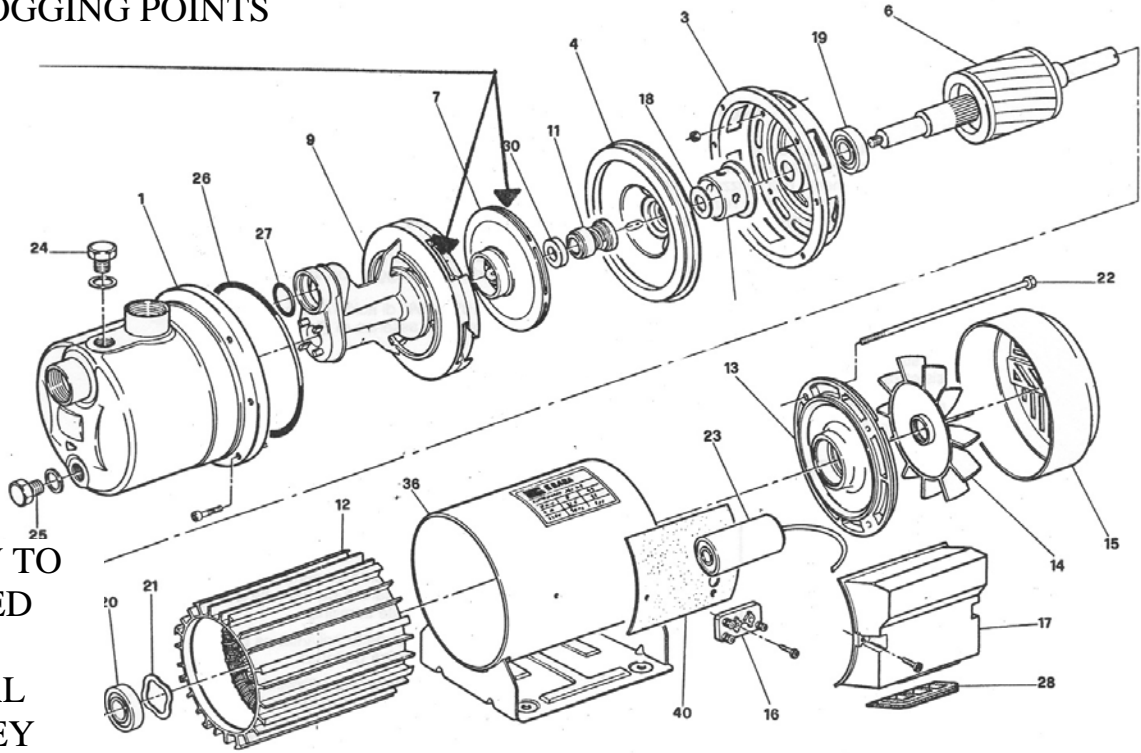
Hose M must return back to the wine to be filtered; this re-installation is done in order to ensure stabilisation of the porosity of the filtration screen as well as the nylon bag.

Tap S must be shut off as soon as a continuous jet of air-deprived wines starts to issue from it. After the re-installation has been running a few minutes, check whether the wine flowing from hose M has been sufficiently finely filtered. If so, transfer hose M over to the receptacle installed to collect the filtered wine. Do not activate valve M, nor shut down the filtering motor which is running.

Clean the filter if any of the conditions given in point d) should arise.



CLOGGING POINTS

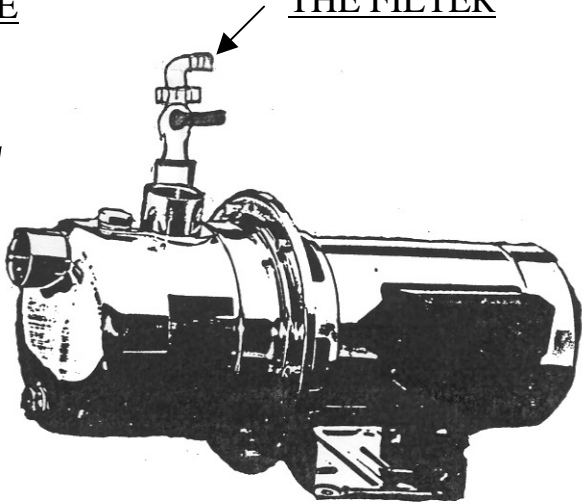


No.6 SCREW TO
BE REMOVED
USING 4mm
HEXAGONAL
SECTION KEY

ELECTRO-PUMP SERIES KJ

AIR INTAKE

REVERSE-FLOW TO
THE FILTER



Ref.	DESCRIPTION
1	pump unit
3	pump motor support
4	diaphragm with watertight joint
6	spindle with monophasic motor
6	spindle with triphasic motor
7	rotor
9	diffuser with venturi tube
11	physical watertightness joint
12	casing with monophasic stator
12	casing with triphasic stator
13	motor cap
14	ventilator
15	ventilator cap
16	monophasic terminal
16	triphasic terminal
17	terminal cover
18	protective flap against splashes
19	bearing at pump side
20	bearing at ventilator side
21	compression ring
22	motor brace
23	Condenser
24	filler plug
25	drainer plug
26	toroid sealer ring for pump unit
27	toroid sealer ring for venturi tube
28	cable feed
30	spacer for physical joint
36	exterior motor housing
40	terminal cover joint

WARNING !!!
***FILL THE PUMP BEFORE
STARTING UP THE MOTOR***