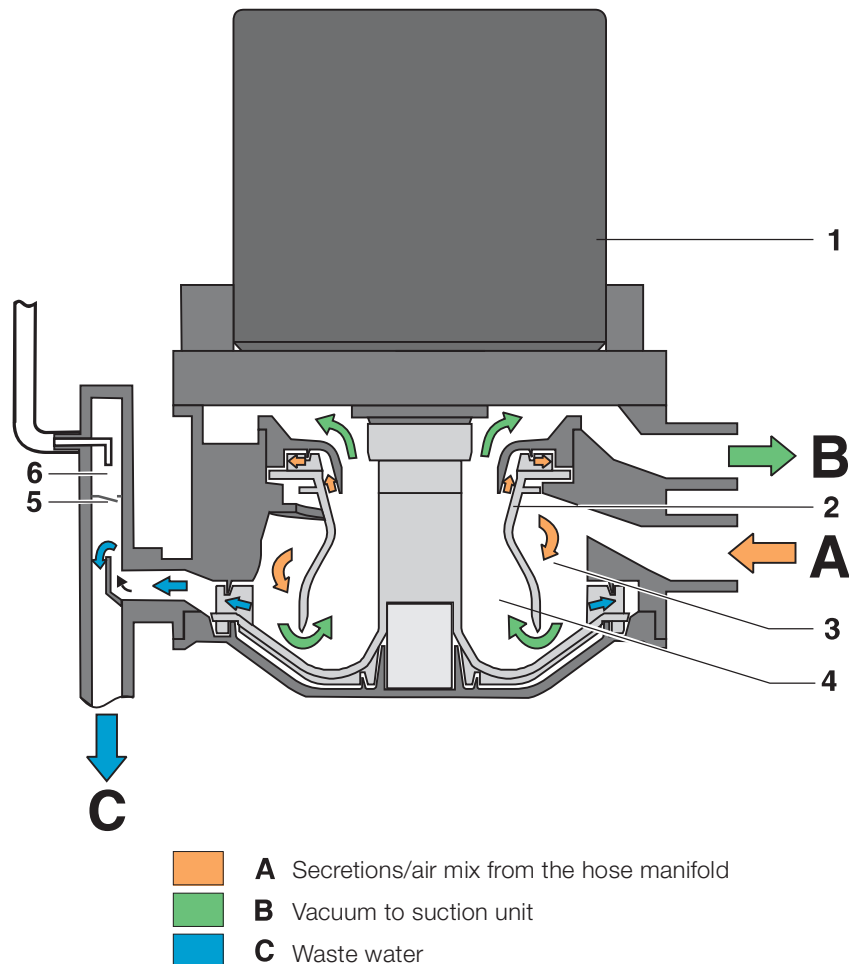


CS 1 Combi Sepamatic

Functional Diagram



Functional Description CS 1

Every time a suction hose is removed from the hose manifold the CS 1 Combi-Sepamatic and the suction unit will be started.

The mixture of secretions and air drawn up are accelerated in the intake connection **A** and then set in spiral motion in the cyclone separator. The centrifugal force spins the drawn up particles against the outer wall.

During the suction phase, the secretions which have been drawn up are separated from the suction air in the separation chamber (3).

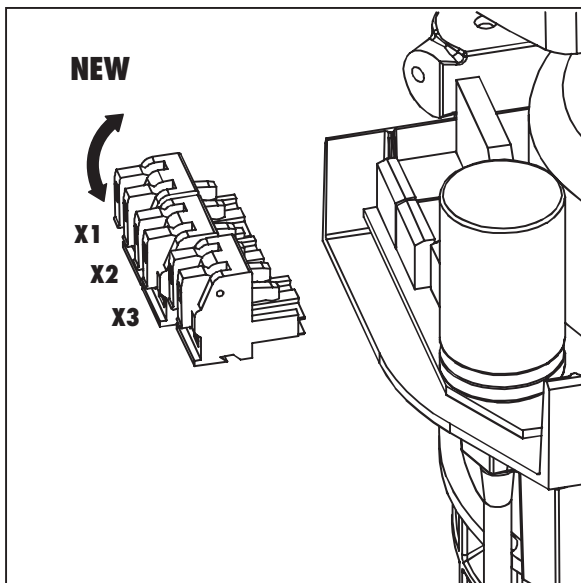
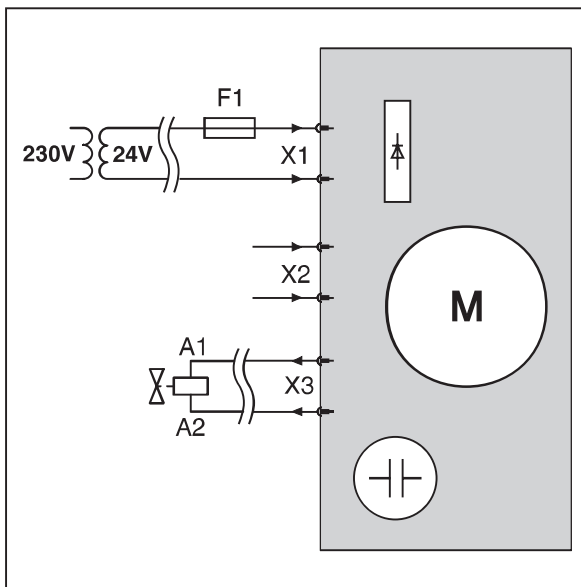
The air escapes over the rotating rotor (2) and the vacuum connection **B** to the suction unit.

The motor (1) driving the rotor (2) results in the suction air being subjected to a high centrifugal force, whereby this guarantees that no secretions or blood foam is/are also drawn into the suction unit.

The spiral motion serves to continuously transport the

separated secretions to the pump wheel, this then pumps the secretions via the waste water connections **C** into the central waste water drainage system.

The air bleed is carried out via the exhaust air vent (5). In the case of a fault and if fluid escapes upwards in the air bleed area (6), the bleed valve closes automatically.



Electrical Connection



All electrical connections to and from the unit should be laid so that no mechanical tension is put on the cables in order that no vibration is carried to the treatment appliances.

The direct connection to the unit is carried out via a transformer which should be fitted after the main power switch serving the treatment unit to a suitable terminal.

Transformer unit performance: 24 V, min. 100 VA

Diameter of the connections: min. 0.5 mm²

Fuse, secondary: 5 AT

Electrical Connection to Combi-Sepamatic

- Remove cover to Combi-Sepamatic:
Lift flap using a suitable tool.
- Carry out the required electrical connections:

F1 Fuse 5 AT, DIN 72581-3C

X1 Power supply 24 V AC

X2 Signal input hose manifold 24 V AC/DC

X3 Outgoing signal station selection valve and/or rinsing unit



To open the terminal clamps, lift upwards, see arrow.

Tips for troubleshooting CS 1

Problem	Probable cause	Solution
1. Appliance will not start	• No connection to power supply	• Check the power supply at X1
	• No start signal from the hose manifold	• Check the control voltage at X2

Service recommendations for CS 1

Yearly service	spare parts no.
• Cleaning the suction unit according to Operating Instructions	9000-605-10/..
• Check and clean the coarse filter in secretion connection inlet A	
• Where a rinsing unit is present: clean the sieve/coarse filter in the water intake	
• Function test, see Installation and Operating Instructions	9000-606-39/..

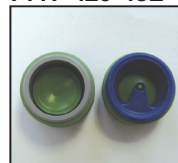
3-yearly service, Kit 7117-980-33

- Rubber sleeve suction air replacement
- Rubber sleeve replacement at secretion connection
- Replace rubber sleeve with flap trap on the output of the separation stage

7117-420-41E



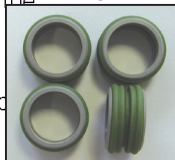
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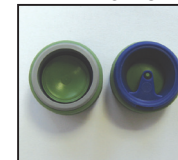
5-yearly service, Kit 7117-980-34

- Replace the seal on the motor flange
- Replace all O-rings (from the spare parts kit) in the appliance
- Rubber sleeve suction air replacement
- Rubber sleeve replacement at secretion connection
- Replace rubber sleeve with flap trap on the output of the separation stage

7117-420-41E



7117-420-43E



7117-300-02E



7117-980-22

