

INSTRUCTION MANUAL AND PARTS LIST

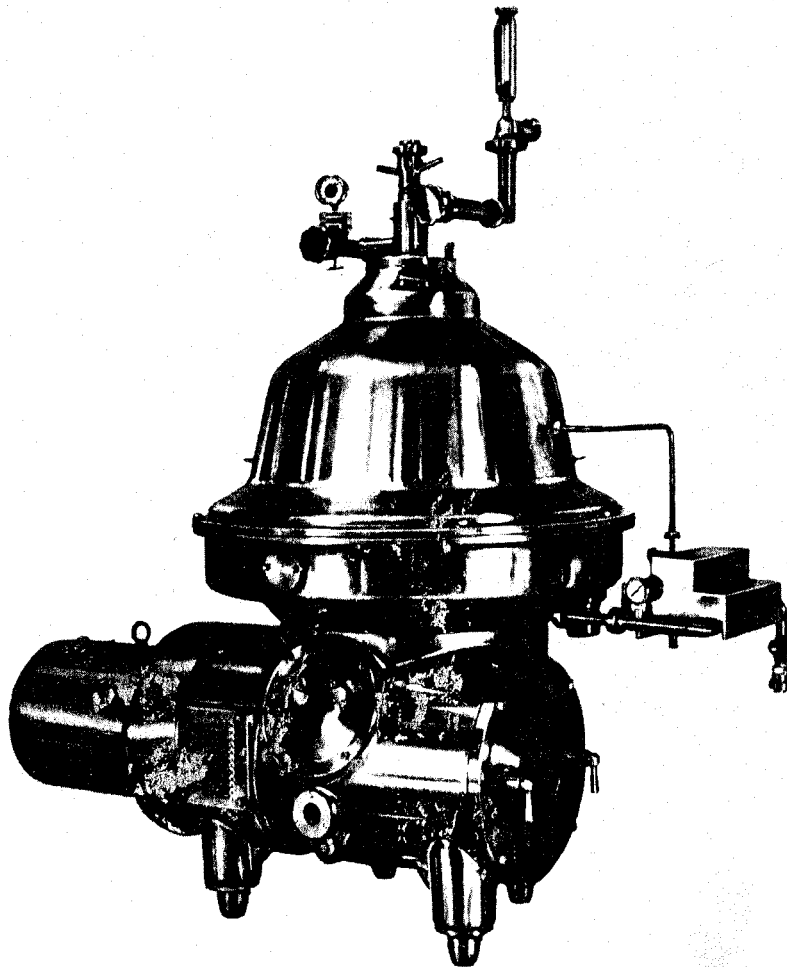
No. 1167 - 9001 - 040

## **WESTFALIA**

Milk Separator

Model SAMM 15 006

with Self-Cleaning Bowl



**WESTFALIA SEPARATOR AG./4740 OELDE 1 (W.-GERMANY)**

CABLES: WESTFALIA OELDE · PHONE: (02522) 771 · TELEX: 89474

## IMPORTANT HINTS

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The WESTFALIA Separator is a high-speed centrifuge which works reliably provided that it is operated and looked after in accordance with our Operating Instructions. Please read carefully through the directions so that you will be able to operate and service your separator in such a manner as to extract from it the greatest possible efficiency.

We recommend in your own interest to have your separator inspected by WESTFALIA service engineers at regular intervals. Such inspections will keep your separator working reliably and prevent undesirable shut-downs.

- 1) Before each start-up check if  
lock rings are tightened securely ("0" marks must be aligned),  
hood and centripetal pump are fastened tightly,  
oil level is slightly above middle of sight glass,  
brakes are released. (Since the fluid clutch is not protected against overload, applied brakes can cause overheating of the oil which again can lead to severe damage of the clutch).
- 2) The cold conductor type temperature feelers built-in for motor protection have to be connected to an appropriate tripping device. External voltage higher than 2.5 volts must not be applied to the terminals of the temperature feelers. When testing for continuity, do NOT use a test lamp but only a conventional ohmmeter.
- 3) Feed liquid to separator only when bowl is closed which is accomplished by feeding operating water.
- 4) If the bowl reaches its rated speed (as per name-plate of separator) in less than 8 minutes, the motor will pull too high a starting current. This indicates that the clutch contains too much oil.
- 5) Make first oil change after 3 to 4 weeks. When gear parts are broken in, change oil every 2 to 3 months. Use only the type of oil specified on page 2/1.
- 6) Clean gear chamber every time when making oil change.
- 7) Check regularly for water in oil. To do this, unscrew oil drain screw and allow a small amount of oil to drain.
- 8) For reasons of safety be sure to replace ball bearings of worm spindle and worm wheel shaft and the oil in the fluid clutch every 5,000 working hours.

- 9) Do NOT loosen any part of the separator or of the feed and discharge connections before the bowl has stopped completely!

Note that bowl has not stopped before revolution indicator disc 32c (fig. 13/1) has ceased rotating.

- 10) Dismantle the bowl once a month for inspection:  
Thoroughly clean and wipe dry contact surfaces and threads of bowl bottom and lock ring and apply a thin film of lubricating paste furnished with the separator, to prevent galling of the threads.
- 11) When dismantling the bowl be sure to place bowl parts on a rubber mat or wooden surface, never on the stone floor.
- 12) After removing the bowl bottom, place splash cover 406 (fig.20) over worm spindle to prevent wash liquid from seeping into the gear chamber.  
Do NOT flush inside of upper section of frame with water hose; wash by hand.
- 13) Before installing bowl bottom, oil upper part of spindle (thread, cone, and cylindrical guide surface for spindle cap). It must be possible to move the spindle cap easily up and down on the spindle. Then clean and wipe dry the conical part of the spindle with a smooth rag. Also, clean the inside of the bowl hub carefully to assure proper fitting.
- 14) When assembling the bowl, strictly adhere to the instructions given in sect. 4 to avoid undue unbalance. IMPORTANT: Before starting the bowl be sure it is completely assembled.
- 15) When pressure in disc stack has slackened, add spare disc (see sect. 4.1, no.18 ).
- 16) Never use blow-torch on bowl or expose bowl to heat of open flame!

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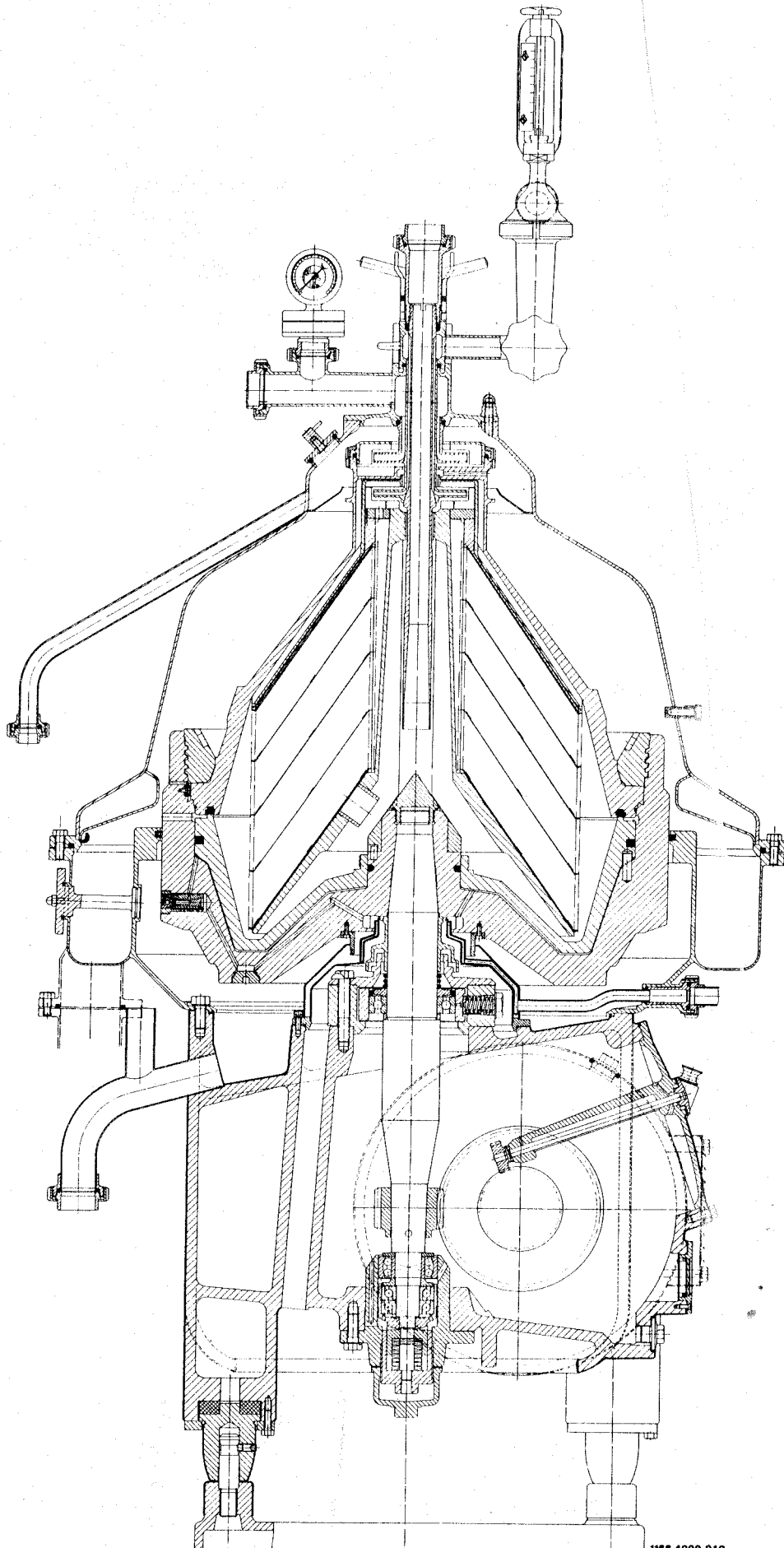
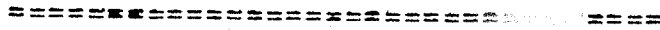
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Vertical Section of the Separator



1166-4000-010