TECHNICAL DATA / EXECUTION - MATERIALS

Product motor oil

temperature : about 10 – 30 degree C
viscosity about 500 sSt
density : about 0,95 kg/dm3
PH-value: unknown
ingredients: unknown

Execution - materials

pump cylinder: stainless steel AISI 304
valves: stainless steel AISI 304
pipes: stainless steel AISI 304
collars: PTFE
sealing: FPM
tubes: product resistant
working protection: according to rules for prevention of accidents
electricity/standards: VDE and DIN

Notes / important information

For being able to choose suitable materials for the filling product we would ask you to state us composition of product. Please check the product data and advise us about additional or correcting details.
This is also valid for material execution.
Messrs. FEIGE Filling can not grant any material compatibility warranty. In case of order we need bottle and cap samples for the correct execution of filling nozzles as well as closing tongs.
The capacity of the filling machine depends on the following:
- filling product, foaming resp. not foaming, viscosity, temperature
- neck opening, bottle forms and stability, bottle content, bottle handling
before and after filling machine.
For determination of effective capacities standstill times (as pauses, resetting times) have to be considered.

1 Filling machine type C5000/6

Construction and function see system description C-200-SB

Technical data:

Filling range: 1000 / 4000 / 5000 cm3
Approx. Rate: 1200 bottles/h
Execution of bottle: plastic cans
Dosing accuracy: +- 0,5%
Air consumption : 800 Ndm3/min.
air pressure 6-8 bar
Number of dosing pistons/filling places: 6
extendible to: -
volume /dosing piston max. 5000 cm3
dimensions w/h/d: 1250 /1800/700 mm
consisting of:
- housing made of special steel, material no. AISI304
- dosing pistons with pneumatic drive
- valve sets, filling head with pneumatic drive
- execution of filling nozzle: dip nozzle
- nozzle diameter: to bottle opening
adapted to one bottle neck opening.
The parts of filling machine being in contact with the product are executed as described under ”Technical data”.

filling machine completely mounted with:

Centring bells
for easy mounting at the filling nozzles depending on execution of filling openings

Filling machine pre-hopper CV-107
Volume: 100 dm3
Hopper made of stainless steel AISI304 with pneumatic filling
valve NW 40, outlet cock NW25 and pneumatically controlled
float switch

Drop catching basin GT
pneumatically operated.
Made of stainless steel AISI304

Central adjustment of volume
for fine adjustment of volume via hand wheel and toothed belt, mounted for easy adjustment and operation.

Volume adjusting rods
for coarse filling volume of 1000 / 4000 / 5000 cm3

Control system CS
executed as pneumatic control system, consisting of standardised valves, elements and adjusting elements, completely installed.

Transport belt CB for filling machines
Belt length: 6000mm / chain width : 114,5 mm
working height: 750 mm resp. to specification
Holder, frame and bunch guiding made of stainless steel, material AISI 304
slat band chain: material stainless steel
bunch guiding rails are infinitely adjustable via new tensioning clips
drive: 400/50 Hz, about 0,37 kW, protection class IP 54,
infinitely variable, belt speed v = 8-30m/min.
transport direction: from the left to the right
bunch stopper and bunch counter pneumatically actuated with infinitely adjustable sensors.
Control system: pneumatic control system is integrated in control system of filling machine

1.1 Filling nozzle movement protector
consisting of :
filling nozzle holder with sliding bushes, pneumatic limit switch
When the filling nozzle drives against an obstacle the filling nozzle is automatically brought to initial position (upper position)

1.2 Front door and lateral lining
consisting of:
- metal frame
- transparent plastic walls (Macralon)
- front side as sliding door
- catching basin under the belt in the area of filling machine

2 Automatic cap sorting and feeding with closer type GAS-135 S
with automatic cap sorting
for closures suitable for automatic machines (In case of order we need
cap samples).
According to description C-300-SB.
Consisting of:
- sorting pot with disk sorter
- by-pass plate and guiding rail special steel AISI304/PVC
- cap lock for positioning of caps underneath the closer, material PE
- machine support for reception of sorting pot and closer, height-adjustable
via spindle, parallelly guided, by this exact adjustment, special steel AISI304
- automatic closer with high adjusting range incl. screw head, actuated pneum.
- pneumatic bunch stopping unit, exactly adjustable via spindle
- pneumatic control system
- electric control system of disk sorter and elevator BFD
drive of disk sorter: gear motor 0,12 kW 400 V, 50 Hz, IP 54,
air consumption: 200 Ndm3/min.
capacity: 1200 bunches/h
Note:
The device is designed for one cap size. For further cap sizes a resetting set
is necessary.
The sorting pot can not be used as storage hopper.
Cap feeding via elevator with storage hopper (additional price).

2.1 Resetting set for push-in type caps
consisting of :
- sorting disk
- by-pass disk and feeding rail
- cap lock
- screwing head / pressing plate

2.2 Elevator BFD for cap feeding
The caps are fed from a storage hopper of approx. 200 dm3 into the disk sorter.
Control of BFD is done in dependence on disk sorter.
Technical data:
Belt length 2750 mm/nom. width 200 mm
belt surface Transilon-Polyester
Drive: 400 V, 50 cycles/ 0,18 kW
protection class IP 54
controlled via impulse-pause-relay
Materials: normal steel St 37
belt bordering Aluminium anodised
support feet: galvanised, bright zincing

3 Feeding table for empty bunches and transport system
for lateral feeding of hoppers onto a transport belt
length approx. 1500 mm
width: approx. 914 mm
working height 750 mm
Bunch guiding easily adjustable
Frame / supporting feet made of stainless steel AISI304
Chain material: Acetal
Drive 0,37 kW, 400 V, 50 Hz, class of protection IP54
with cycle control system as well as necessary sensors.
Transport system as shown in the layout