

Equipment for Manufacturing Paraffin Wax Powder for Candles



Extrusion machines and presses are used in the industrial production of candles.

These machines work with paraffin wax powder.

The equipment used for manufacturing paraffin wax powder consists of a leakage tank, a sprinkling unit and a pulverizing roller.

PLANT DESIGN

APPLICATION

Cooling Roller

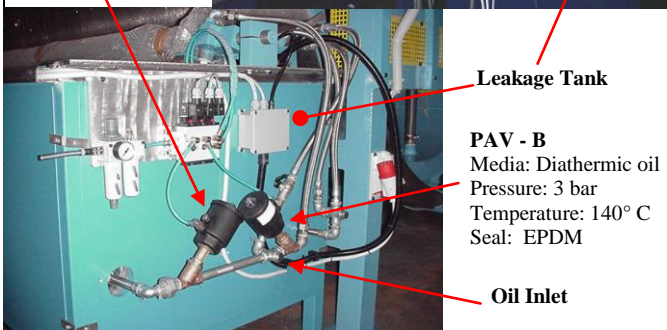
PAV - A
Media: Diathermic oil
Pressure: 3 bar
Temperature: 140°C
Seal: EPDM



Leakage Tank

PAV - B
Media: Diathermic oil
Pressure: 3 bar
Temperature: 140° C
Seal: EPDM

Oil Inlet



The leakage tank is loaded with solid paraffin wax, which is warmed up to the melting temperature by a coil heat exchanger. Valve (A) controls diathermic oil at 140° at the pressure of 3 bar and lets it into the tank coil.

Liquefied paraffin is pumped into a warmed duct and sprinkled onto the cooling roller through special nozzles. The sprinkling duct is warmed by diathermic oil controlled by valve (B).

Cooled paraffin is scraped off the surface of the roller and collected in vibrating ducts.

The diameter of the cooling roller varies according to the quantity of paraffin to be obtained.

Paraffin wax powder is then loaded into the moulds where it is pressed into various shapes to get the finished candles.

SOLUTION

TYPE BTG205SXW00 / SXS code 75883733293

Normally Closed Bi-Directional Bronze PAV
Body Actuator Ø63 – Connection ½” BSP, DN15

Flow Direction over / under seat

Pilot Pressure over seat min. 5,5 bar

Pilot Pressure under seat min. 3,8 bar

Pilot Pressure max 10 bar

Working pressure 0-16 bar

Seal Material PTFE

