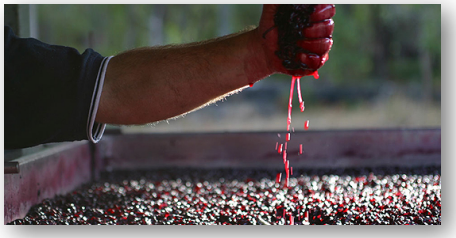
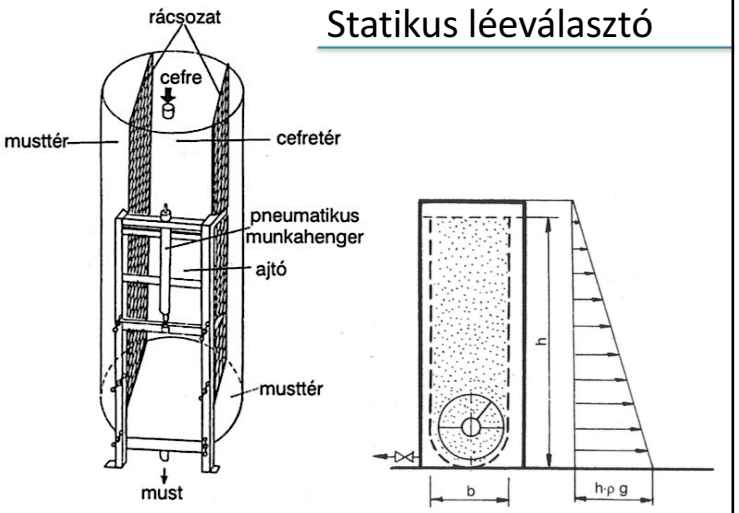
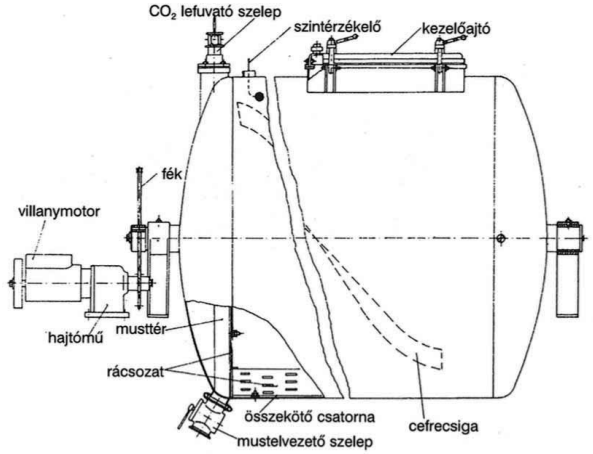


A lékészítés gépei, berendezései

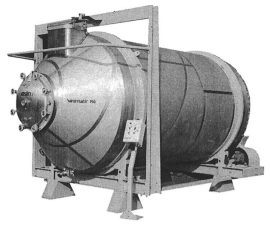
Statikus léeválasztó

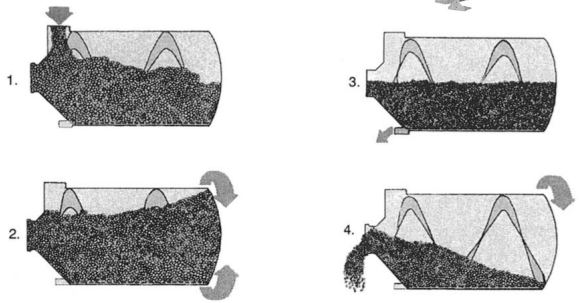


Roto tartály

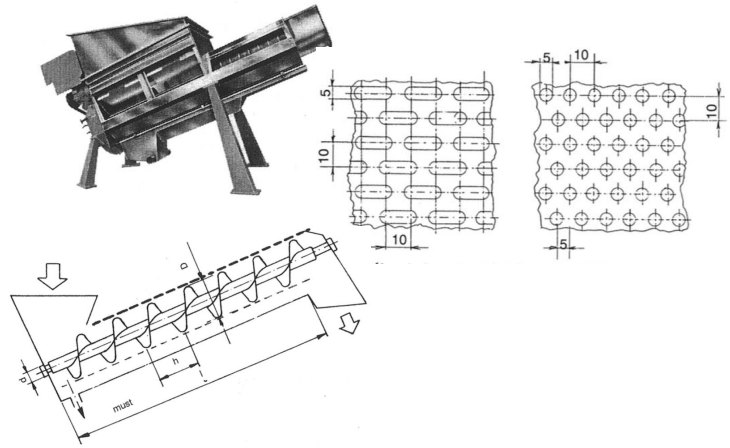


Vinimatic áztató- és leválasztó tartály

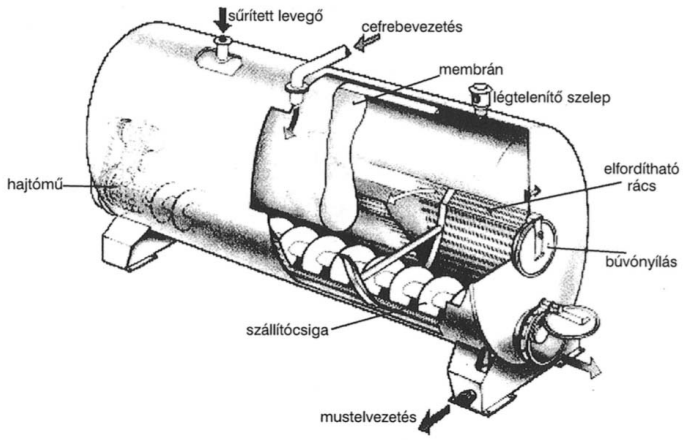




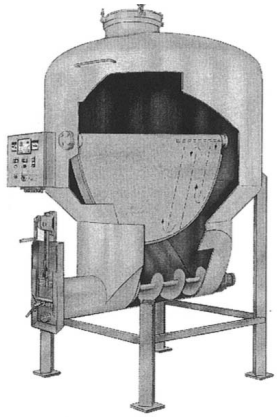
Dinamikus léelválasztók



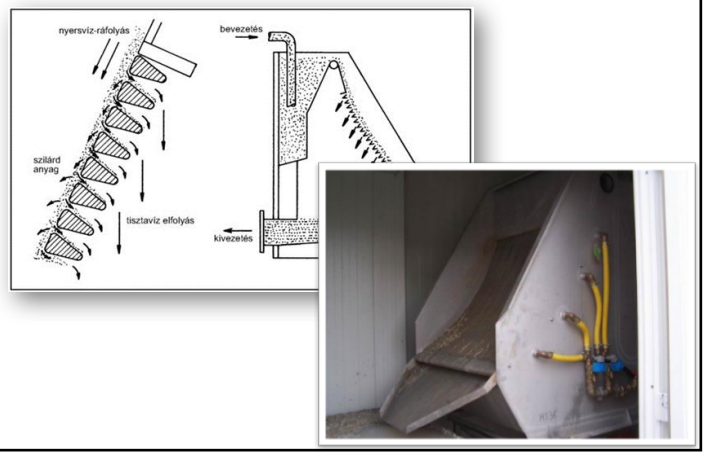
Pneumatikus héjonáztató- és léelválasztó tartály



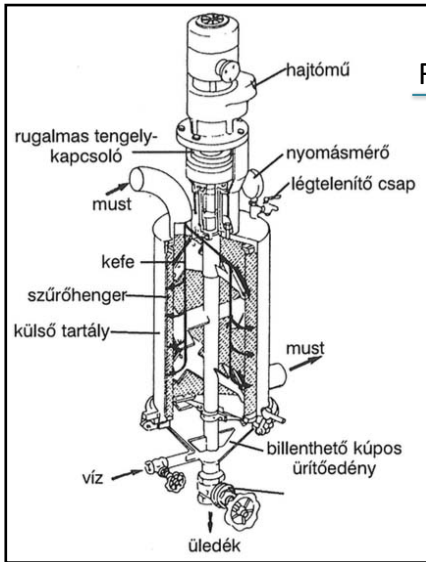
Rieger gyártmányú pneu léelválasztó



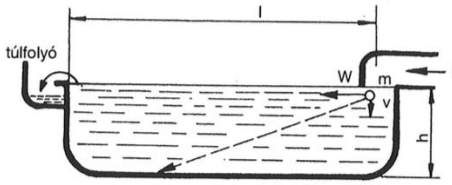
Ívszita



Forgókefés mustszűrő



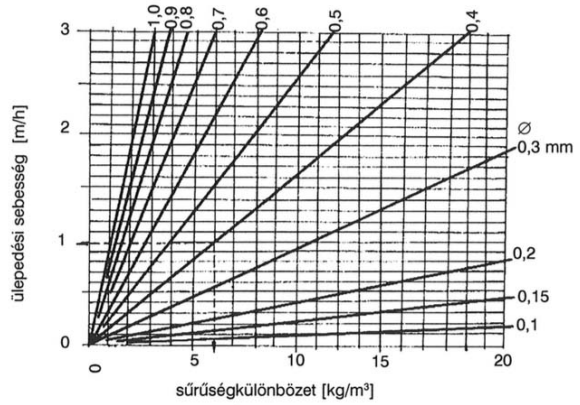
Gravitációs ülepítők



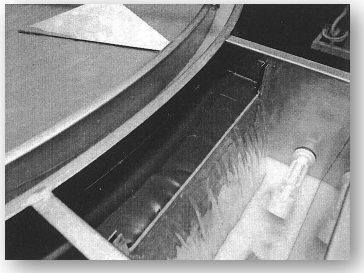
$$v_{ü} = \frac{d^2 \cdot \Delta\rho \cdot g}{18\eta} \; [m/s]$$

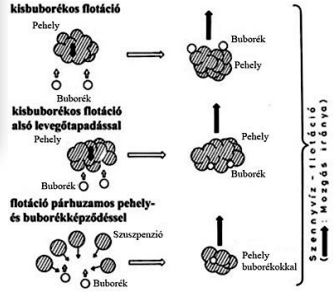
ahol		
d	részecske átmérője	(m)
Δρ	szilárd és folyékony rész sűrűségkülönbsége	(kg/m³)
η	dinamikai viszkozitás	(kg/m·s)
g	gravitációs gyorsulás	(9,81 m/s²)

Schopfer-féle grafikon

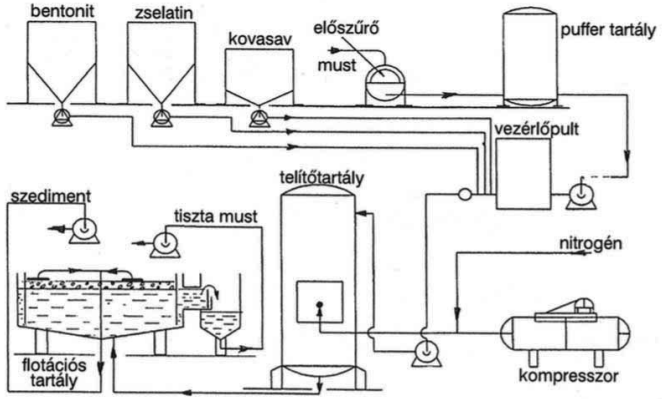


Flotációs berendezés



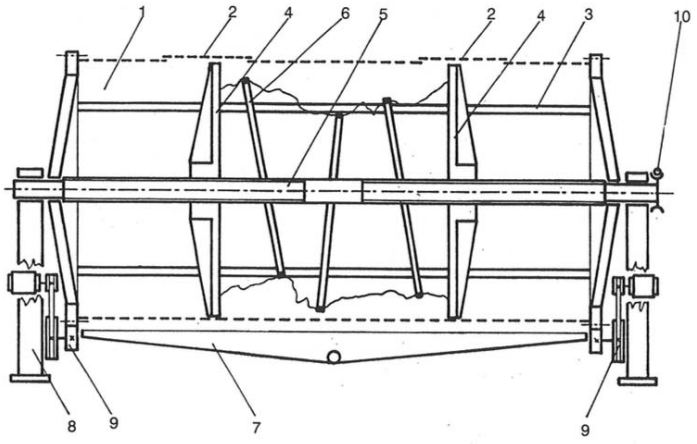


Flotációs musttisztítás műveleti sémája

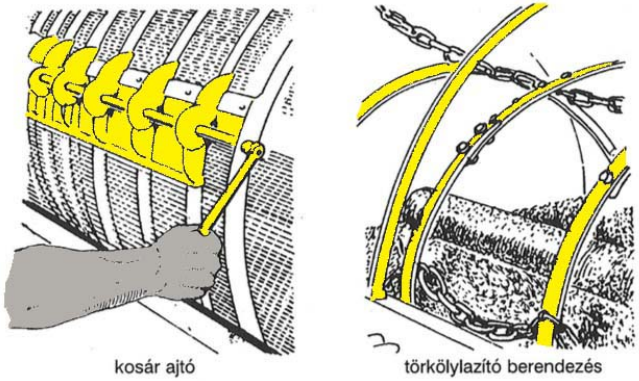


Szőlő- és gyümölcsprések

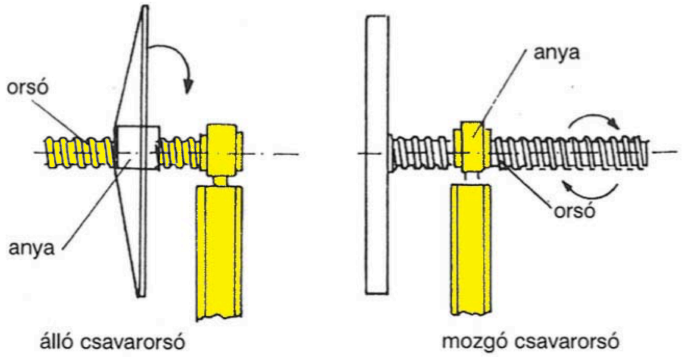
Horizontális mechanikus sajtó



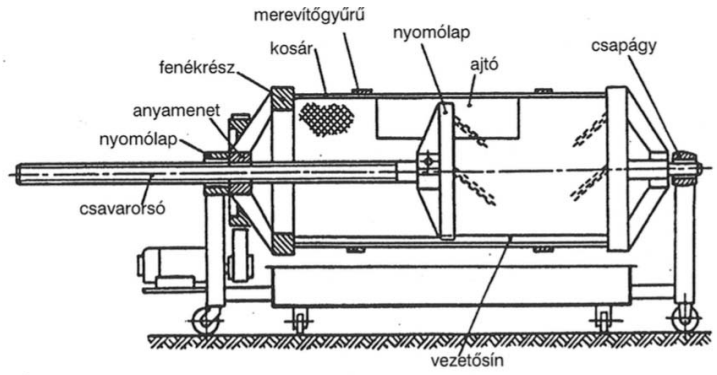
Sajtókosár tartozékai



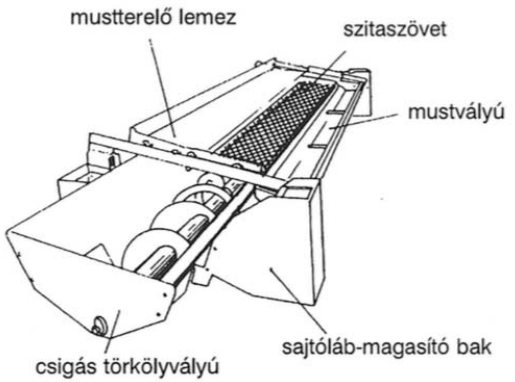
Csavarorsó működése



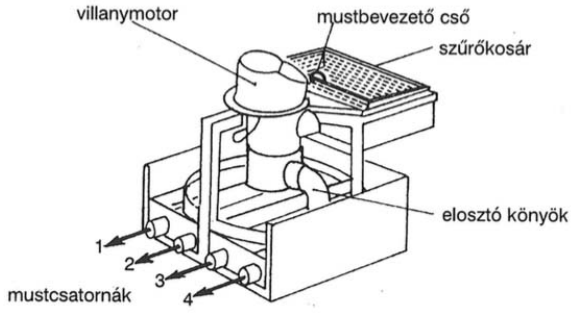
Egynyomólapos mech. sajtó



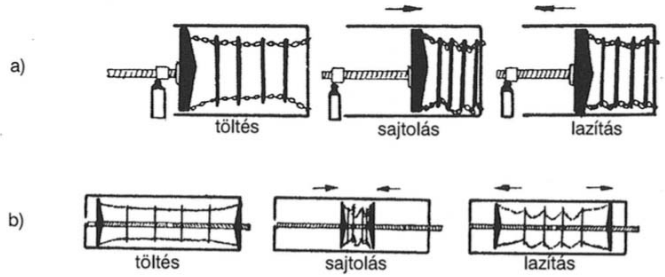
Közösvályús gyüjtőberendezés



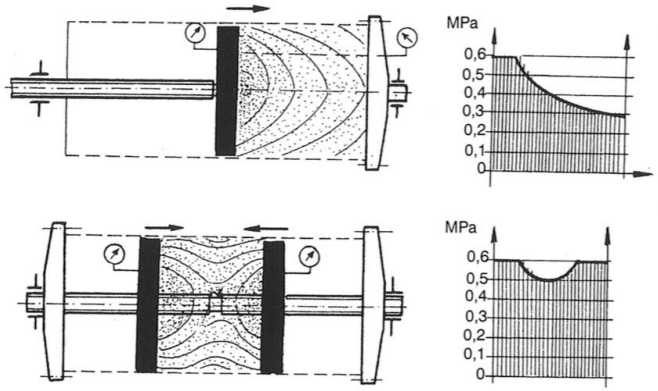
Musteloszto



Egy- és kétnyomólapos sajtó



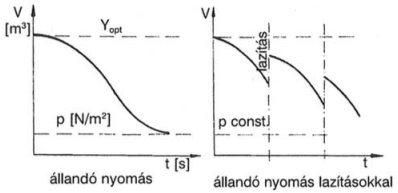
Fajlagos kosárnyomás alakulása



Nyomásmenetrend

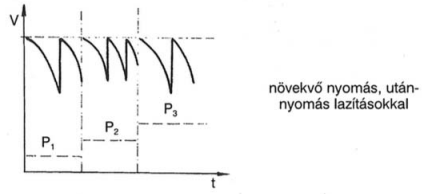
Túl gyakori (8-10) lazítás velejárói:

- Must növekvő üledéktartalma
- Bruttó sajtolási idő emelkedése
- Mellékidő növekedése
- Produktív idő csökkenése

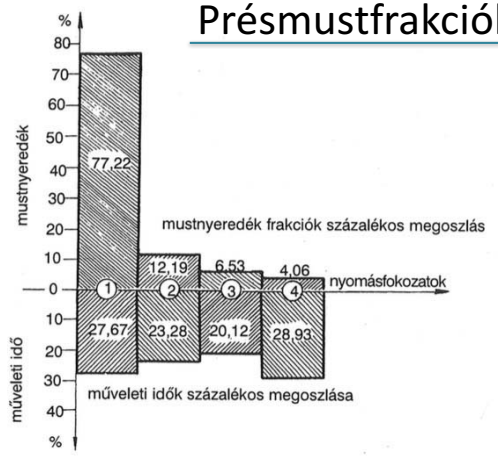


Helyes nettó sajtolási ciklusidő:

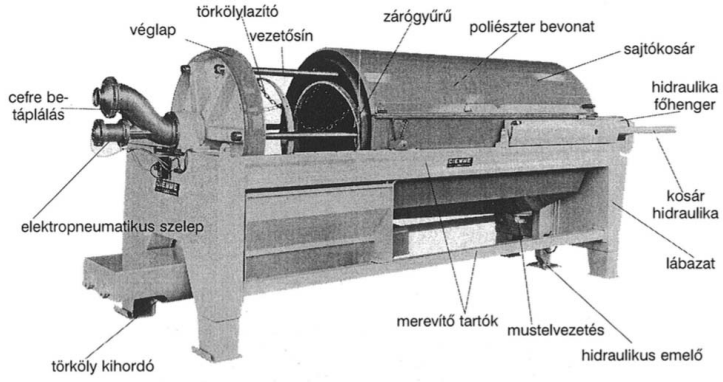
1. Lazítás nélkül 2-3 utánnyomás
2. Max 4-6 lazítás



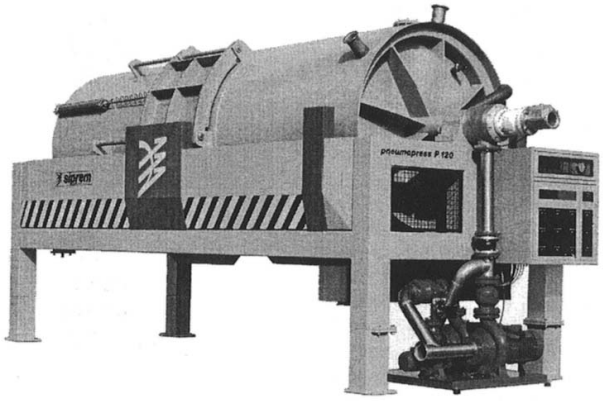
Présmustfrakciók



Hidraulikus sajtók



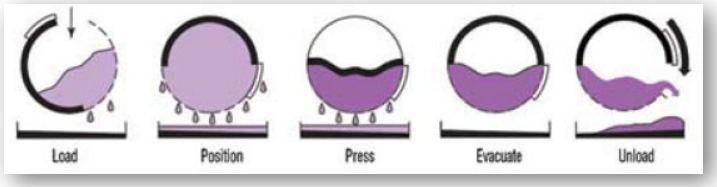
Pneumatikus sajtók



Mustgyűjtő csatorna

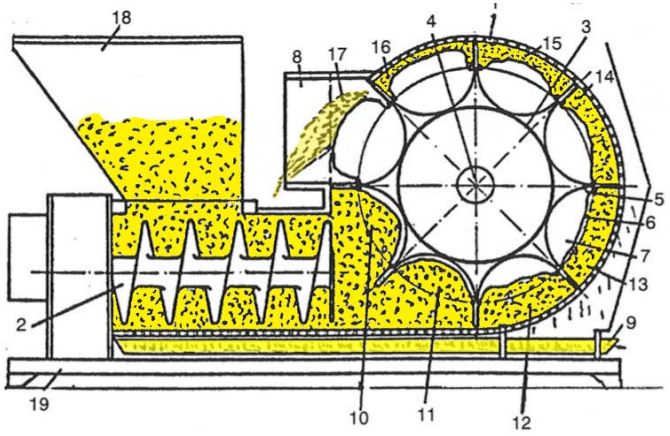
Pneumatikus sajtók

Munkafázisok

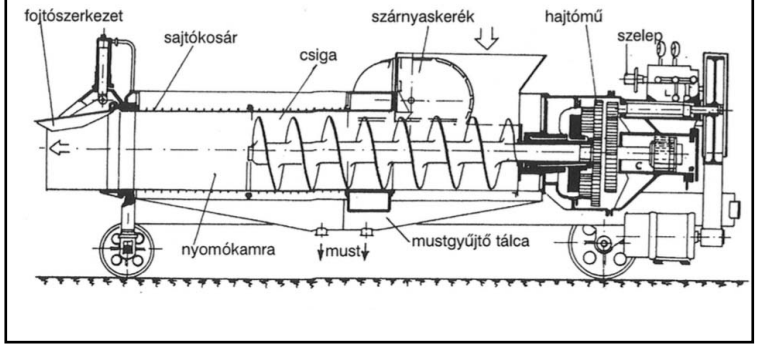


Inert gázok használata

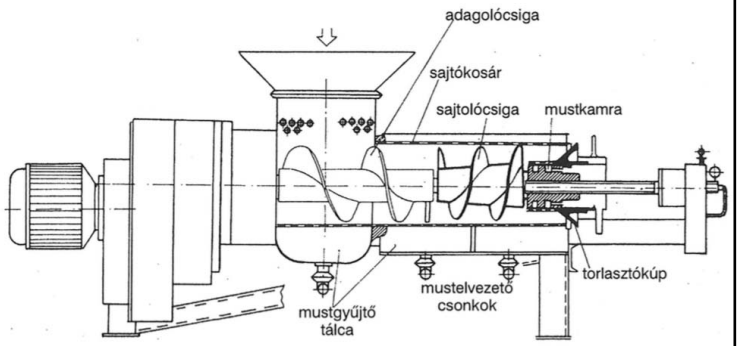
Folyamatos üzemű pneu. sajtók



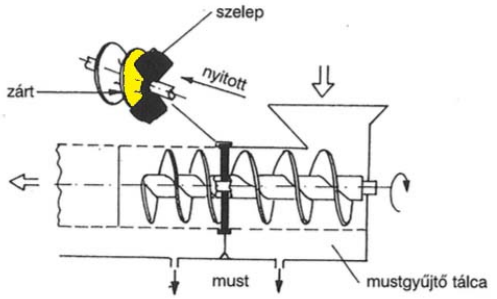
Csiga sajtók



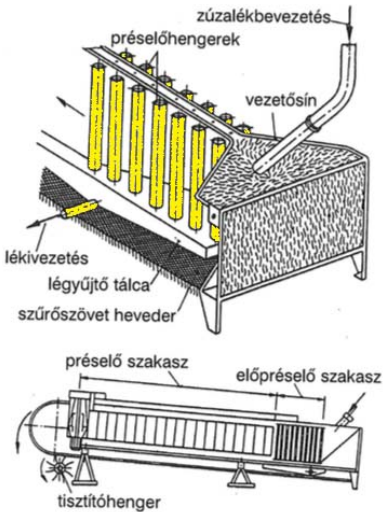
Ikercsigás sajtók



Bivalve szelep

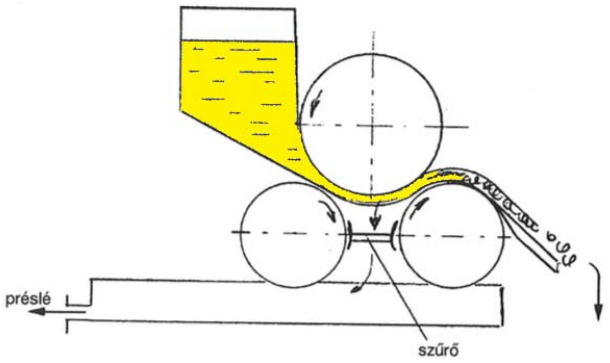


Szalagprések



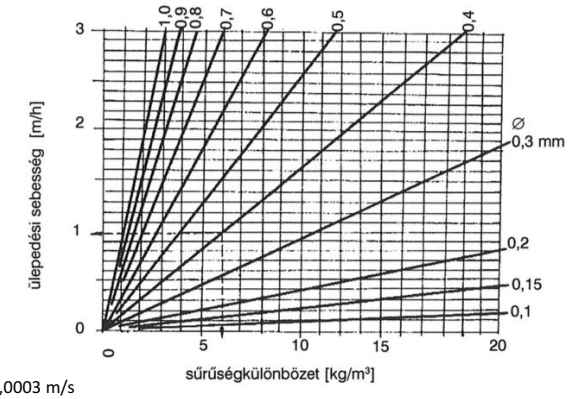
Folyamatos szalagprés
- Zuzalék áteresztése 1,5-4t/h
- Lékihozatala 70-75%

Görgősprések



Mennyi a részecske ülepedési sebessége?

d= 0,4mm
Δρ= 6 kg/m³



$V_ü$= 1,0 m/h = 0,0003 m/s

Az alábbi ülepedési sebességű részecskék mennyi idő alatt ülepednek le az ülepítő tartályban, ha a must szintmagassága 10,80m?

d= 0,4mm
Δρ= 6 kg/m³
$V_ü$= 1,0 m/h = 0,0003 m/s

$$t = \frac{10,80}{0,0003} = 36000s = 10h$$