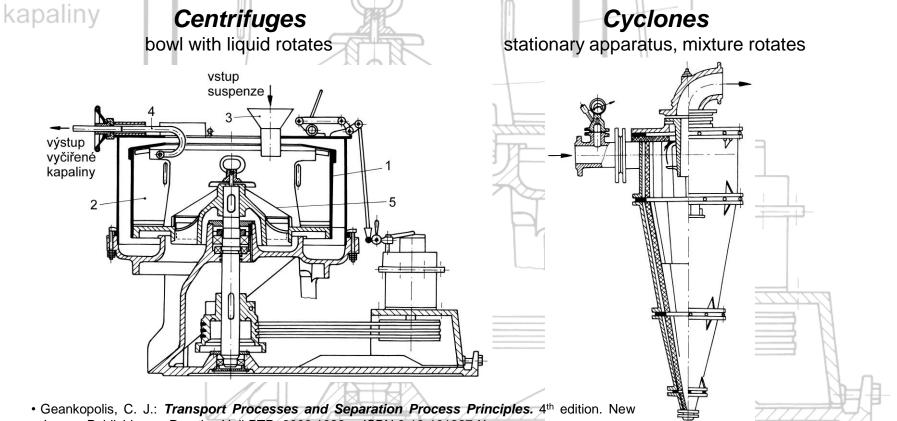
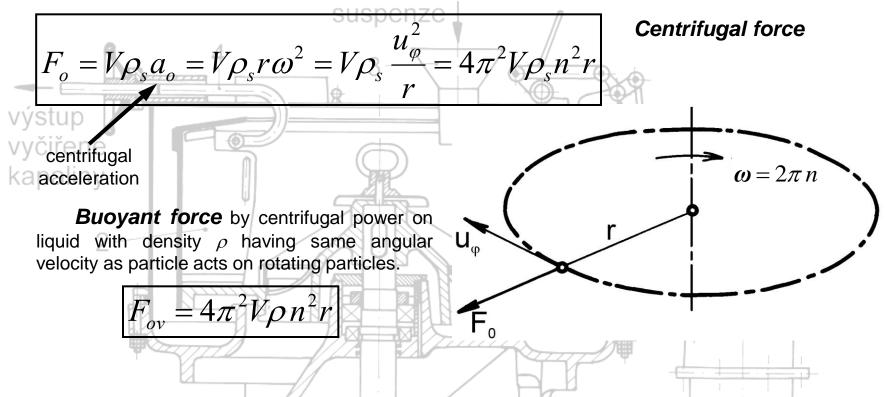
CENTRIFUGAL SEPARATION PROCESSES

Settling or separation of particles from fluid by centrifugal forces acting on the particles. The particles can be solid, gas or liquid drops and the fluid can be a liquid or a gas.

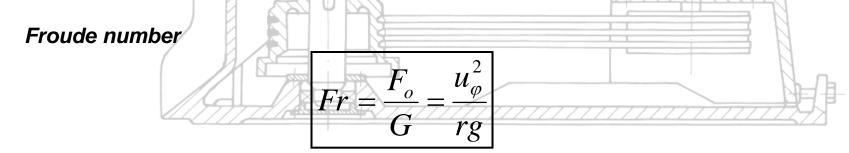


- Jersey: Publishing as Prentice Hall PTR, 2003.1026 p. ISBN 0-13-101367-X. • Foust, A. S. et al.: *Principles of Unit Operations.* New York: Jon Wiley & Sons, Inc., 1960. 578 p.
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Action of centrifugal force on particle



Action of **Gravitation force** on particle and fluid has practically negligible effect in centrifuges compared to centrifugal forces. Ratio of centrifugal to gravitation force has for centrifuges value in range $50 \div 5 \cdot 10^4$ and for ultra-centrifuges up to $1 \cdot 10^6$.



Action of centrifugal force on fluid

