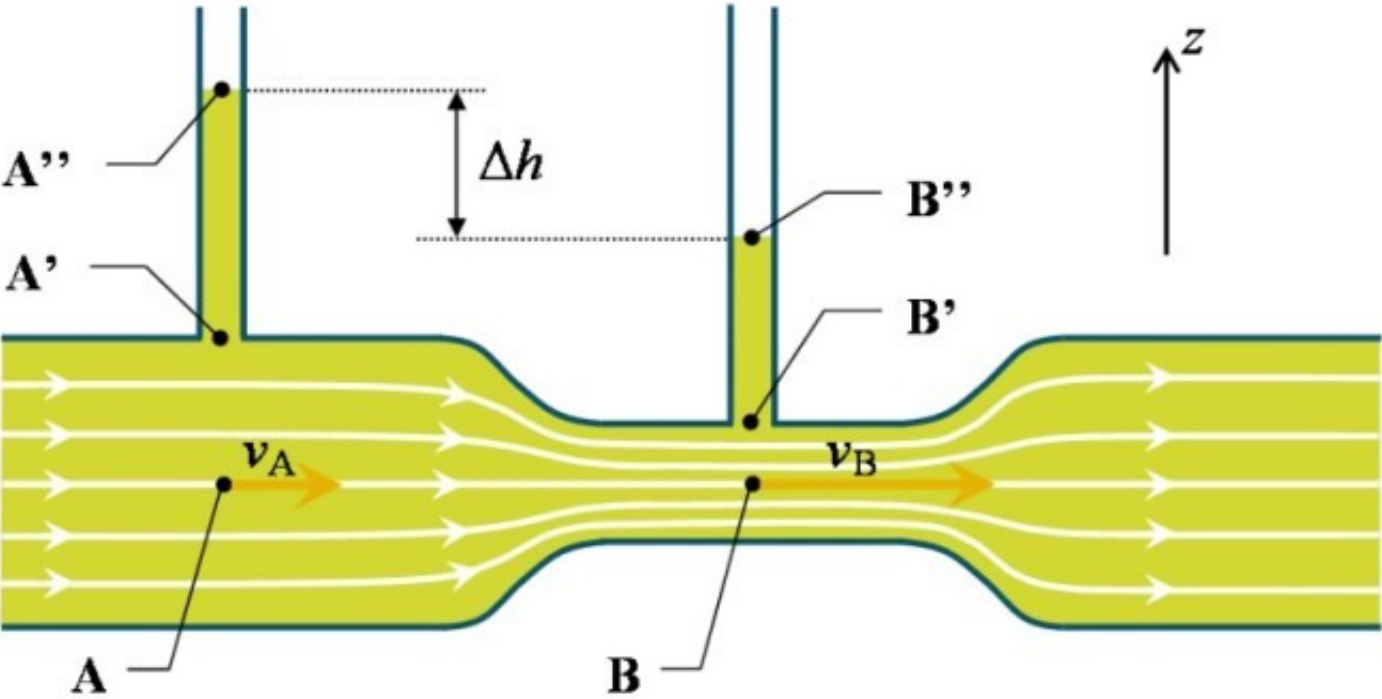


# **Ecoulements de fluides**

Element imposé :

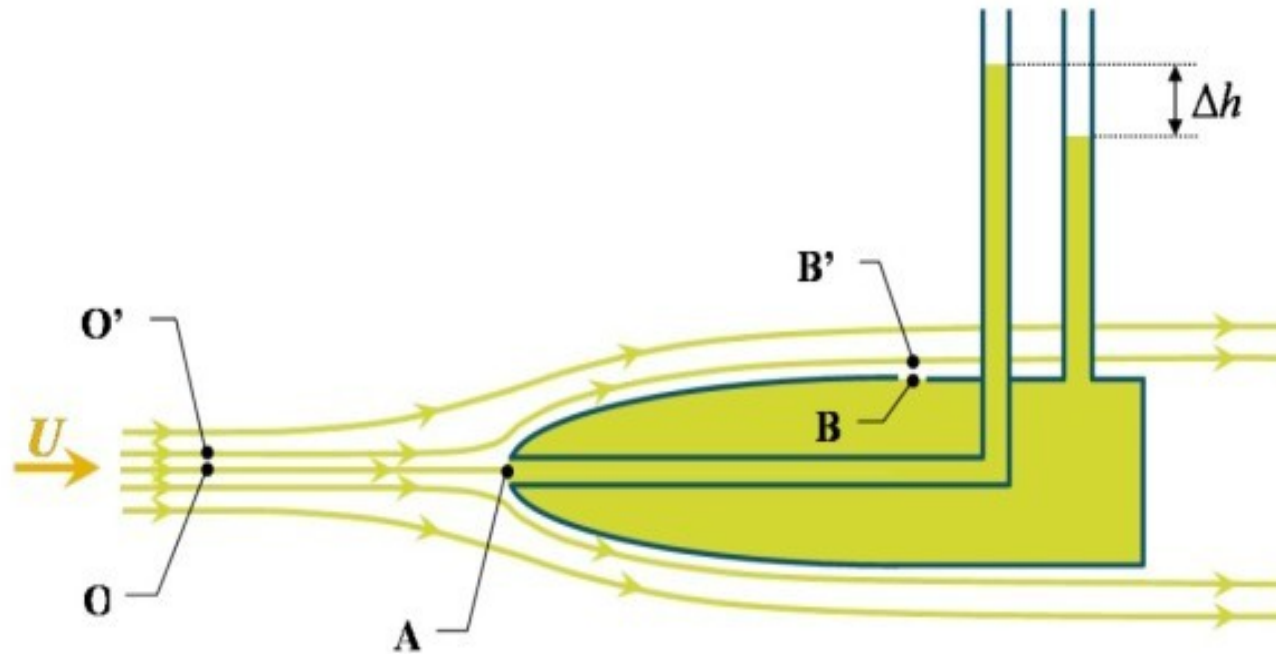
# Effet venturi



# Écoulement de Torricelli

Schéma Grécias p545 Fruchart  
p 425

# Tube de Pitot



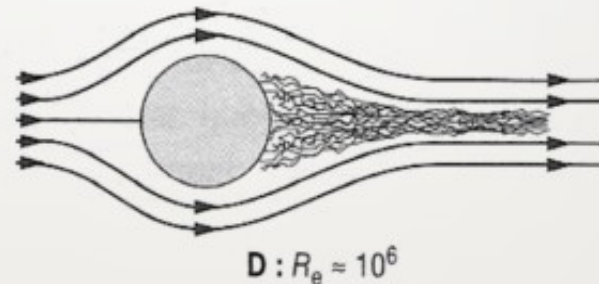
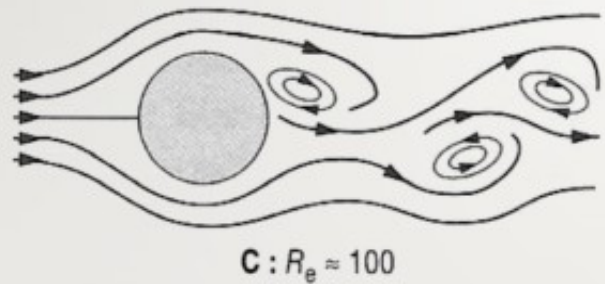
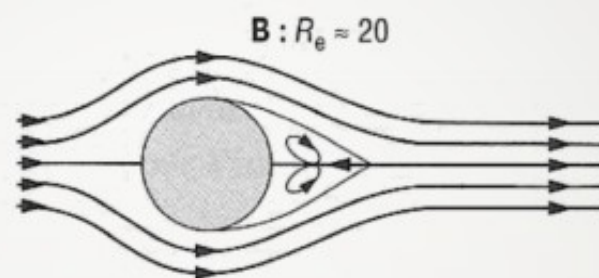
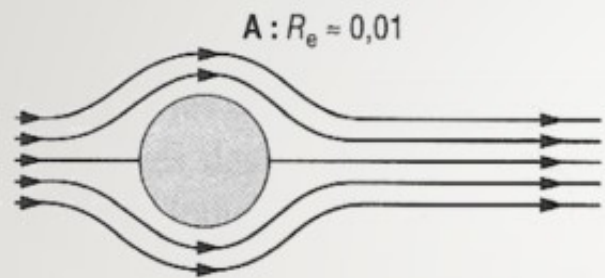
## Relations de Bernouilli

- Écoulement parfait, homogène, incompressible, irrotationnel :

$$\frac{v^2}{2} + g \cdot z + \frac{p}{\rho} = \text{constante}$$

- Écoulement parfait, homogène, incompressible, irrotationnel :

$$\frac{v^2}{2} + g \cdot z + \frac{p}{\rho} = \text{constante} \quad \text{le long d'une ligne de courant}$$



$R_c \approx 2000$

Schéma Fruchart vase de Mariotte  
p425

schéma Tec&doc bcpst 2 (blanc carré orange) Baude,Grécias p582

- Fruchart p433

