

$$(\gamma = C_p/C_v = 1.4)$$

driven section (high pressure)

working section (low pressure)

$$\rho = 1.0$$

$$U = 0.0$$

$$p = 1.0$$

$$\rho = 0.125$$

$$U = 0.0$$

$$p = 0.1$$

diaphragm

$$x = -0.505$$

$$x = 0.0$$

$$x = 0.505$$