

reservoir

discharge-region

reactor

vacuum

$$T_0, p_0, \rho_0$$

$$M = 0$$

$$\dot{m}_0$$

$$M_0 \leq 1$$

A

$$p_b = p_r$$

$$T_r, p_r, \rho_r$$

$$M = 0$$

$$\dot{m}_r$$

$$M_r = 1$$

A

$$p \rightarrow 0$$