2 pipes dia 4/6mm

grip

plug

2 mm

mmWC

flexible
transparent hose 10/6 mm

velocity v →

dp(stat) →

dp(stat) + dp(vel) →

$$\boxed{dp(stat) + dp(vel)} - \boxed{dp(stat)} = dp(vel)$$

mmWC

velocity v →

dp(stat) →

dp(stat) + dp(vel) →

dp(stat)

mmWC

$$velocity\ v = \sqrt{\frac{2 \times dp(vel) \times (pbar*10) \times (273 + t) \times 9{,}83}{1{,}293 \times (pbar*10 + dp(stat)) \times 273}}$$

pbar in mbar
readings in mmWC