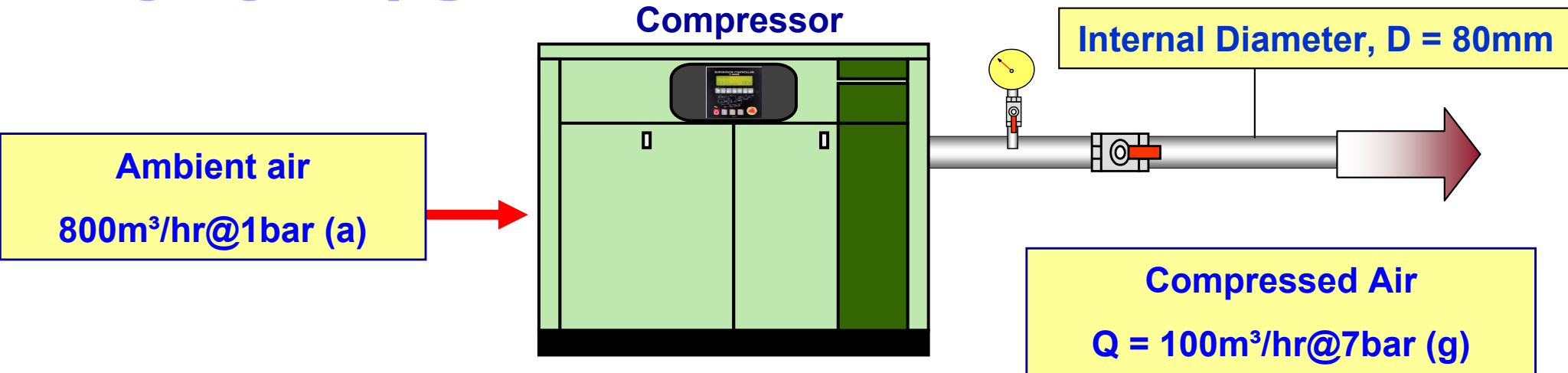


Velocity of Compressed air

6.0m/s



Velocity of compressed air , v

= Q / A flow rate pipe

= $Q \div (\frac{1}{4} \pi D^2)$

= $100 \div (\frac{1}{4} \times 3.142 \times 0.080^2)$

= 19,882m/hr or 5.5m/s

Where,

❖ Q = Volume flow rate

❖ A = Cross section area of pipe

✓ To avoid high pressure drop, the maximum velocity of compressed air should maintain below 15m/s.

✓ Less than 6m/s to avoid carry over of moisture past the drain legs