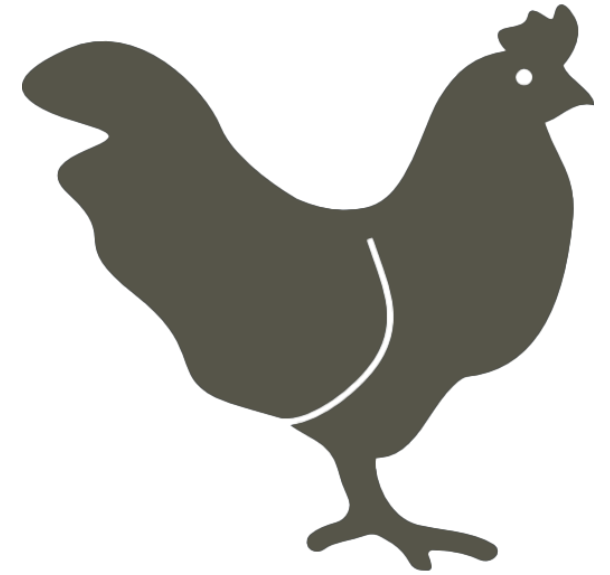
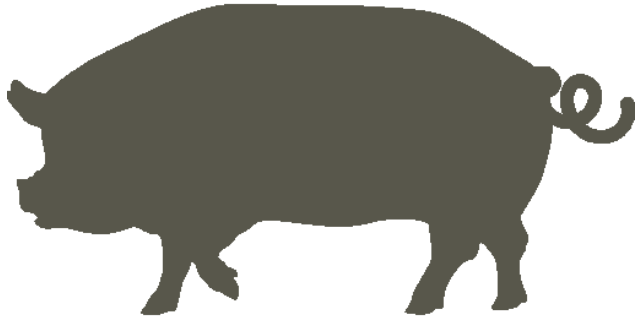
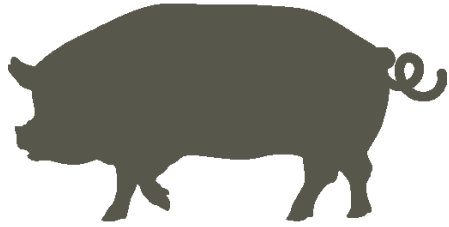


Presentation for

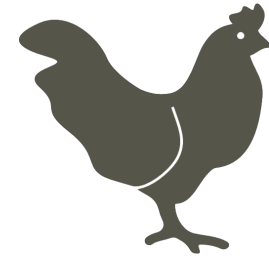


JF MCKENNA[®]
Smarter for **Livestock**





Key Points In Ventilation



Inlet strings and setup of inlets

Fans and dampers working correctly

Side motors working and calibrated correctly

All sensors reading and working (heights all same)

Offsets/bandwidths between heating/ventilation set

Pressure sensors /dwyer meters working (pipes clear) .



1 Sight

Observe behaviors such as bird distribution in the house and number of birds feeding, drinking, preening, mating and using nest boxes. Observe the environment, such as dust in the air and litter quality. Observe bird health and demeanor, such as posture, alertness, eyes and gait.

2 Smell

Keep notice of smells in the environment, such as ammonia levels. Is the air stale or stuffy?



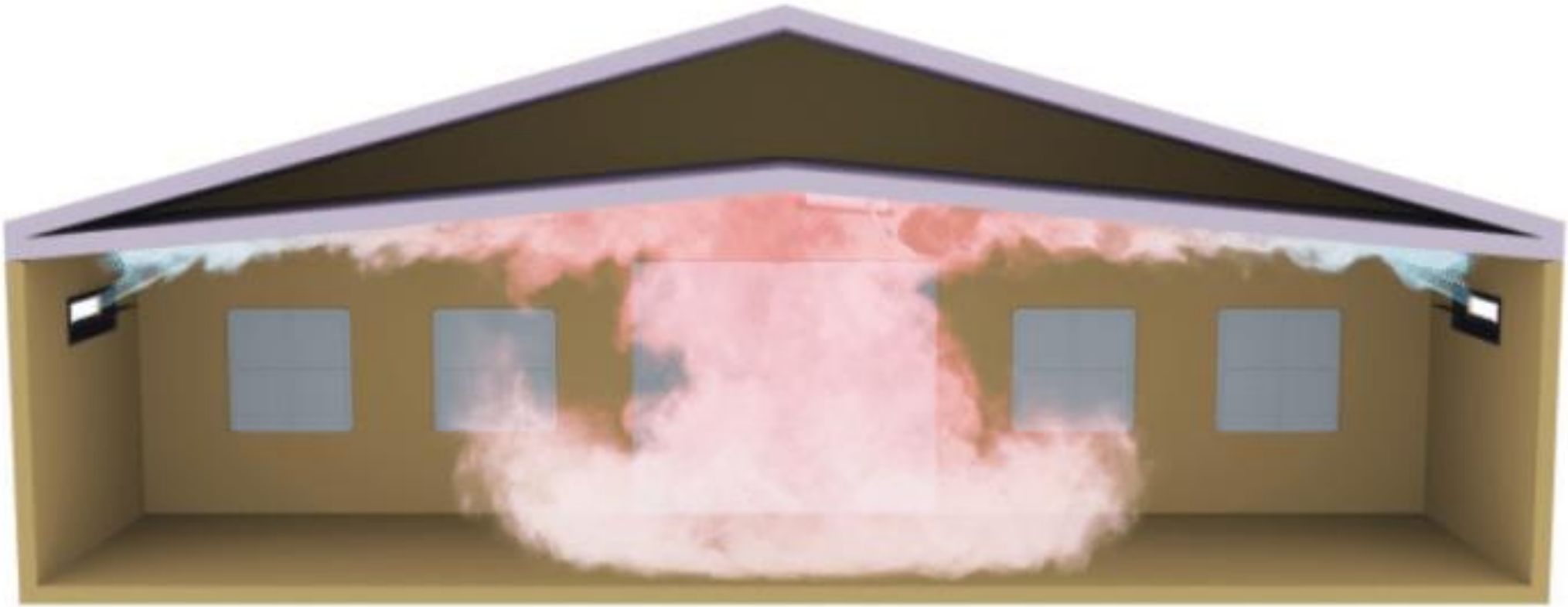
3 Hearing

Listen to the birds' vocalization, breathing and respiratory sounds. Listen to the mechanical sounds of fan bearings and feed augers.

4 Feel

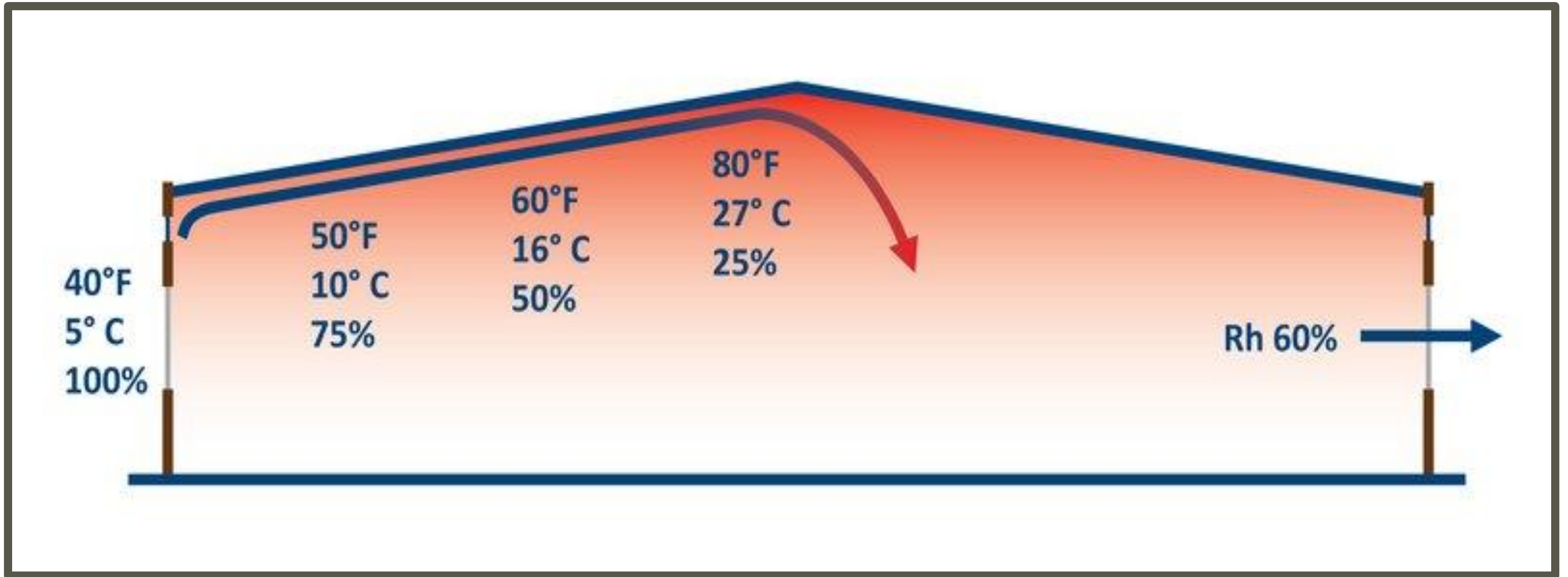
Handle the birds to assess crop fill and check the birds' general condition (breast conformation, vent and feather condition). Take notice of air movement across your skin. Is there a draft? What does the temperature of the house feel like?





*Proper Inlet System directs air
along the ceiling to center of house
before it drops to the floor level.*







Smoke falls directly to the floor.

Action Required

House pressure is too low. Inlets may be open too much, too many inlets may be open and/or pressure set-point may be too low. Adjust and recheck the air flow.





Smoke goes along the roof line and down the opposite side of the house.

Action Required

House pressure is too high at the given inlet opening size. Adjust pressure and/or inlet size accordingly and recheck the air flow.





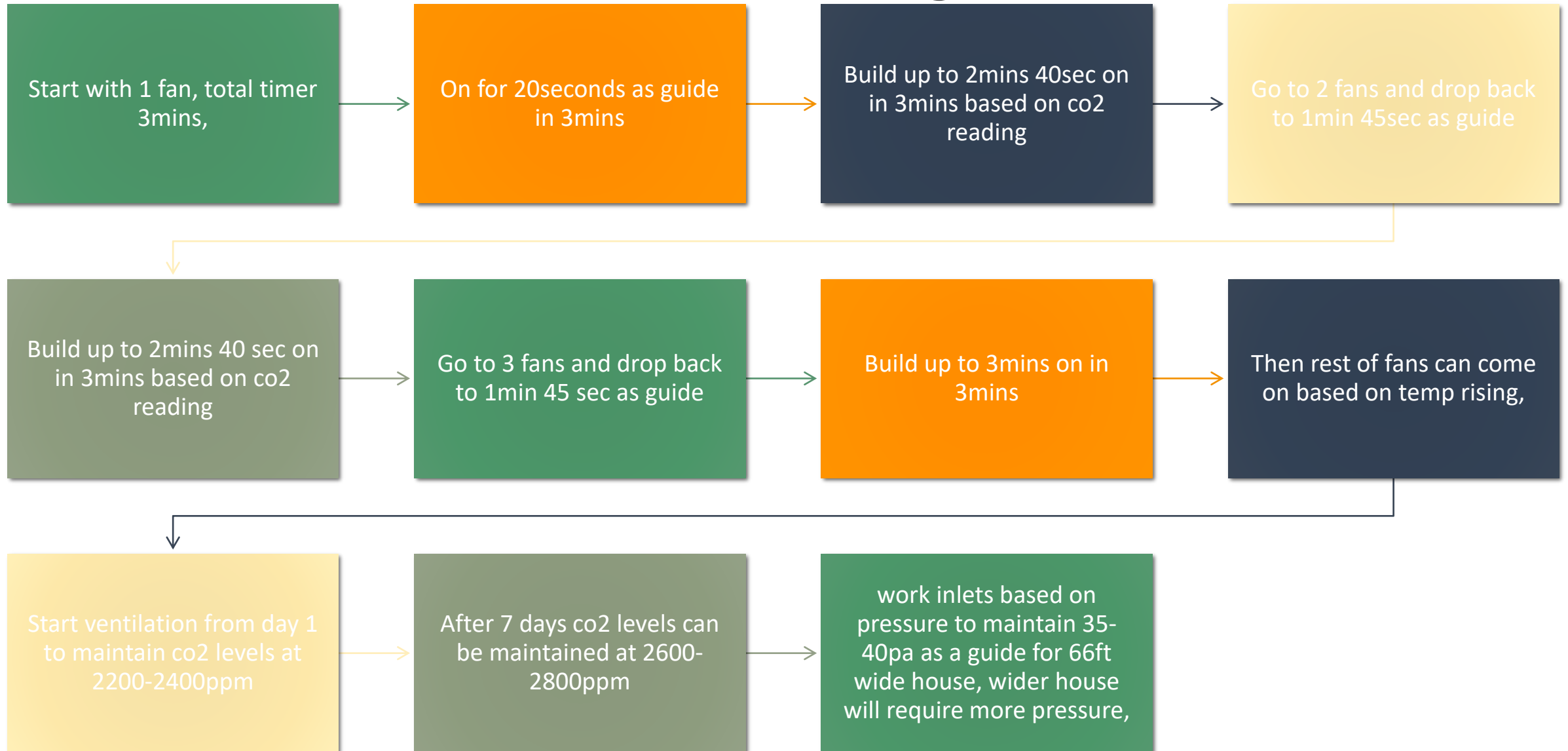
Smoke heads up to the peak of the roof before circling back down to the floor.

No Action Required

Air inlets open correctly, cold air will not fall onto the birds.



Ventilation cycle

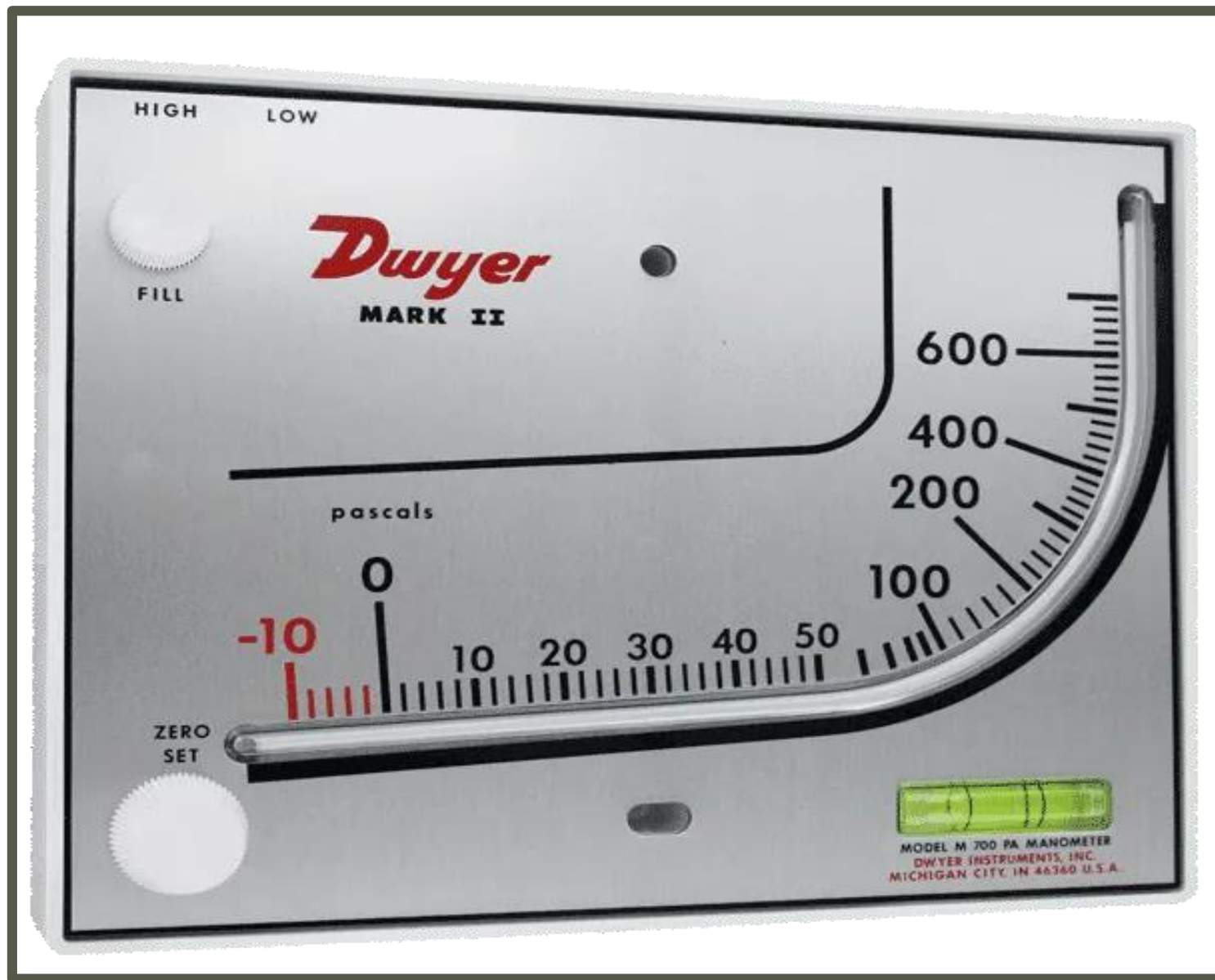


Inlets

- Each house is different
- I would not be confident with a “generic setting” in every house
- Fine tune each house –it is WINTER outside!
- Inlet settings should be checked after each cleanout
- DO NOT assume “it is still okay”
- This plays a HUGE part in keeping your house warm

Take the extra time to make sure the inlets are set as best possible







#Growing
Smarter
Together

