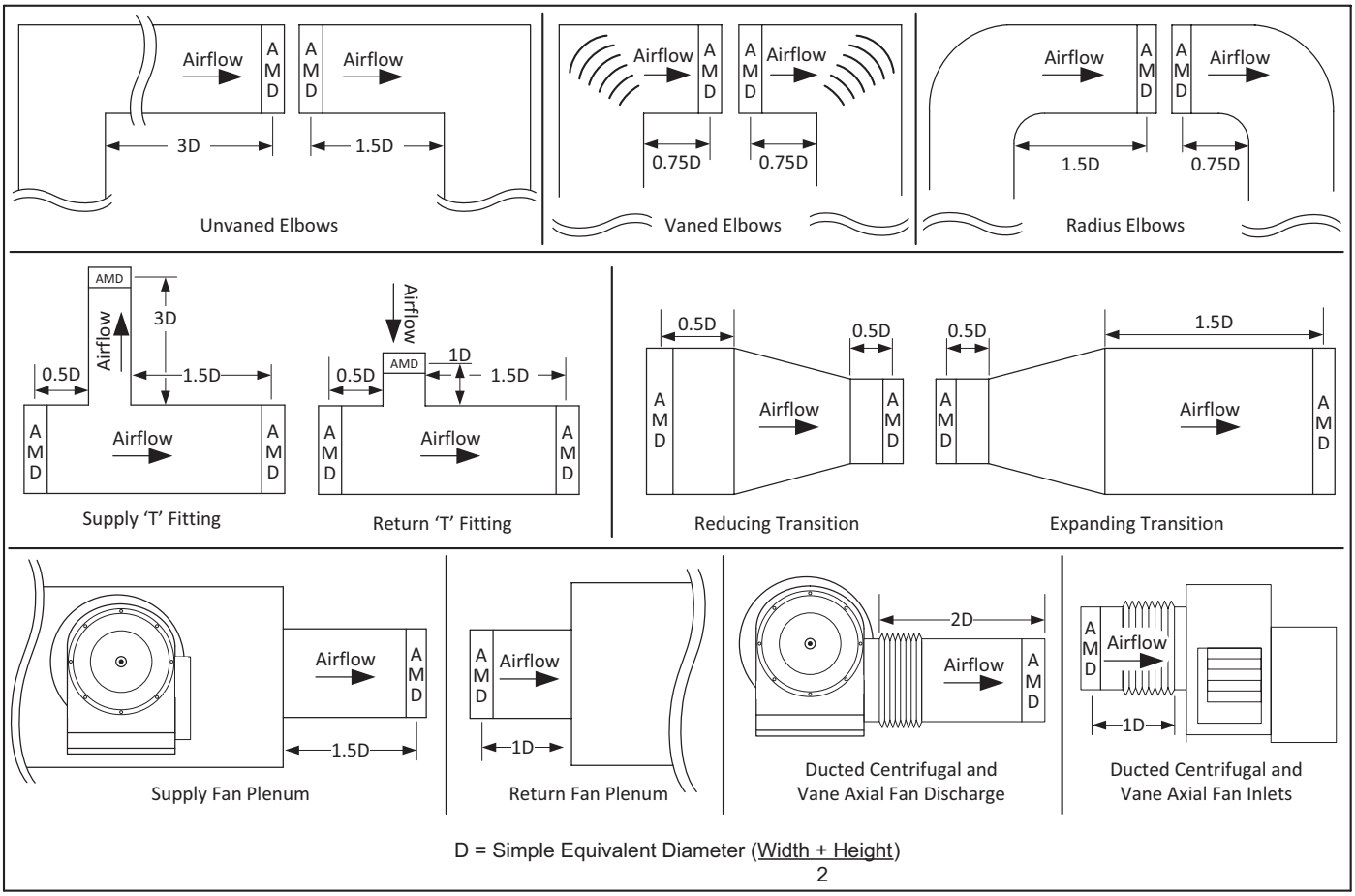
EBTRON® Advantage 3
I-P Units

High-performance Airflow Measurement with Temperature & Alarm Capability

GOLD SERIES
GTx116-P+

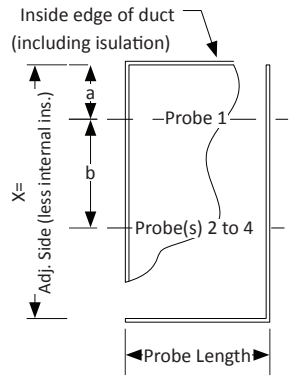
PLACEMENT GUIDE

GTx116-P+ DUCTED AND PLENUM APPLICATION PLACEMENT GUIDE



D = Simple Equivalent Diameter (Width + Height) / 2

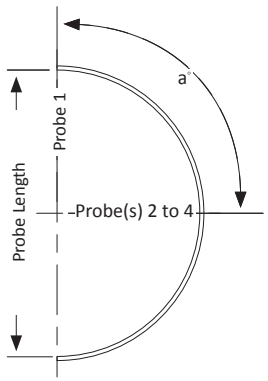
RECTANGULAR DUCT PROBE POSITIONING



# of Probes	a	b
☐ 1	½ X	NA
☐ 2	¼ X	½ X
☐ 3	⅙ X	⅓ X
☐ 4	⅛ X	¼ X

b = distance from probe 1 to 2, 2 to 3 and 3 to 4

ROUND DUCT PROBE POSITIONING



# of Probes	a
☐ 1	NA
☐ 2	90°
☐ 3	60°
☐ 4	45°

a = angle from probe 1 to 2, 2 to 3 and 3 to 4

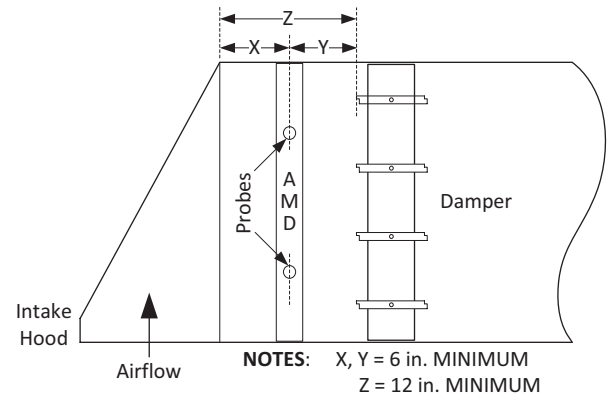
Note: # probes=2 shown for illustration

NOTES:

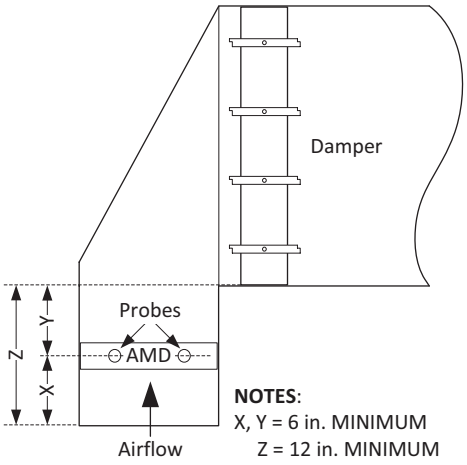
The GTx116-P+ sensor density will typically result in an installed accuracy of ±3% of reading or better over the entire calibrated range of airflow rates when locations meet or exceed EBTRON's suggested guidelines.

Installed accuracy is the combined uncertainty of the measuring device and the sampling uncertainty that results from having a finite number of sensor nodes in a velocity profile created by duct disturbances up and downstream of the measurement location.

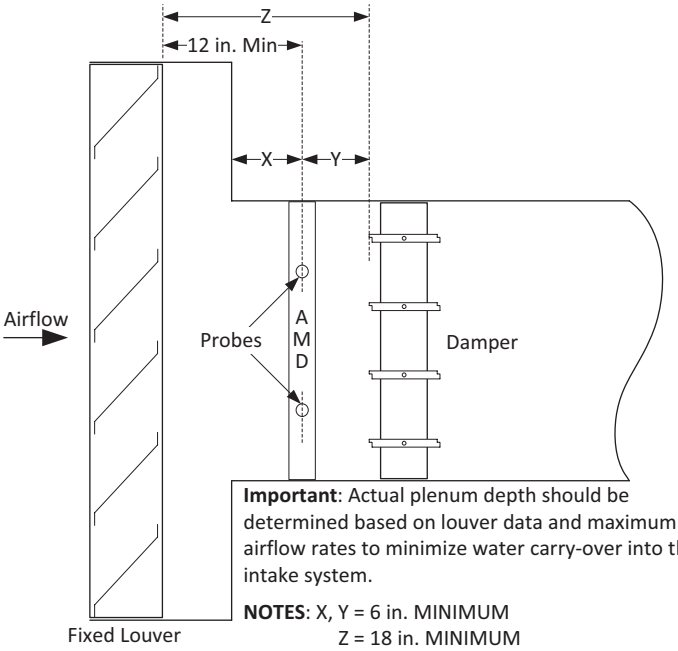
GTx116-P+ OA HOOD, DAMPER AND LOUVER APPLICATION PLACEMENT GUIDE



NOTES: X, Y = 6 in. MINIMUM
Z = 12 in. MINIMUM

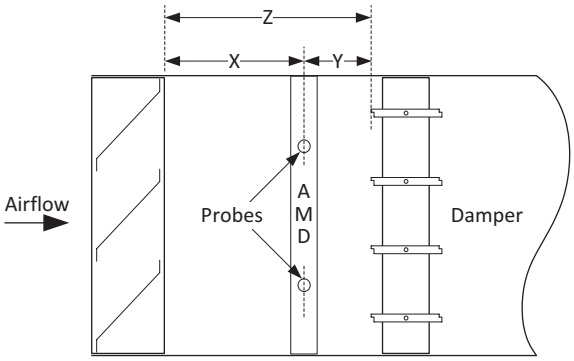


NOTES:
X, Y = 6 in. MINIMUM
Z = 12 in. MINIMUM



Important: Actual plenum depth should be determined based on louver data and maximum airflow rates to minimize water carry-over into the intake system.

NOTES: X, Y = 6 in. MINIMUM
Z = 18 in. MINIMUM



NOTES: X = 12 in. MINIMUM
Y = 6 in. MINIMUM
Z = 18 in. MINIMUM

KEY:
X = Distance to upstream disturbance
Y = Distance to downstream disturbance
Z = Distance between disturbances

P_Probe_Duct_Plenum_Placement_R1E.vsd

GTx116-P+ PROBE MOUNTING BRACKET STYLES

GTx116-P+ Probe with Insertion Mounting Bracket

GTx116-P+ Probe with Stand Off Mounting Bracket

GTx116-P+ Probe with Internal Mounting Bracket

GTX116-P+_Placement_R1A

EBTRON • 1663 Hwy. 701 S., Loris SC 29569 • Toll Free: 800.2EBTRON (232.8766) • Fax: 843.756.1838 • Internet: EBTRON.com