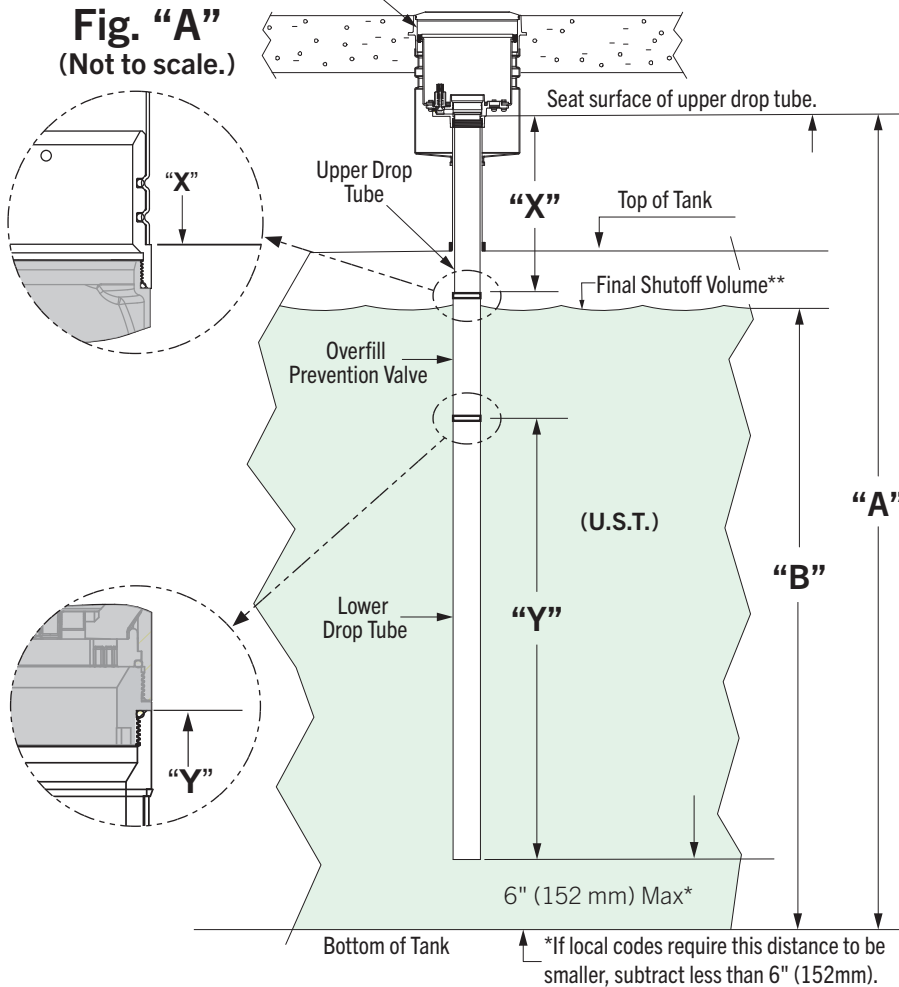
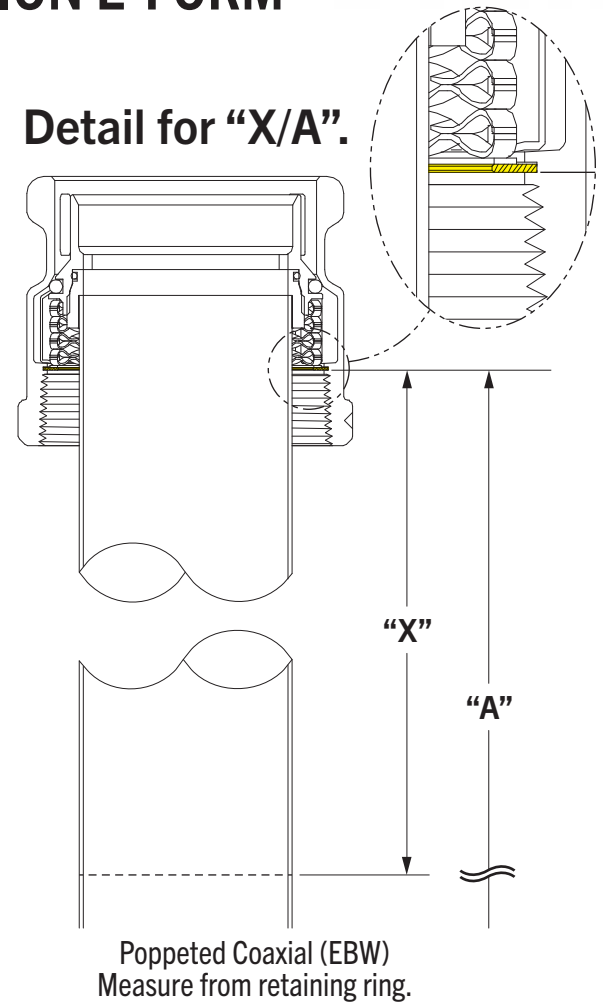




OPV CO-AXIAL DROP TUBE CALCULATION E-FORM

Defender Spill Containment (For Reference Only).

Fig. "A"
(Not to scale.)**Detail for "X/A".****Fig. "B"**

Calculate Final Shutoff Volume

Actual Tank Capacity

 Gallons

X (Multiply)

 .95 Typically 95%**

=

 Final shutoff volume (gallons) = **B****Final Shutoff Volume Height****Fig. "C"**

To find Upper Drop Tube length "X"

"A" Drop tube seat surface to bottom of tank

- (Subtract)

"B" Final shutoff volume height

- (Subtract)

 2.5" (63.5 mm) Position and mounting adjustment

= (Equals)

"X" Upper Drop Tube Length

To find Lower Drop Tube length "Y"

"B" Final shutoff volume height

- (Subtract)

 15 3/4" (400 mm) OPV Length Offset

- (Subtract)

 6" (152mm) Tank bottom clearance

= (Equals)

"Y" Lower Drop Tube Length

NOTE: For exact dimensions, consult the manufacturer's tank charts. Use the actual capacity of the tank for calculations. NFPA30 Guidelines limit tank fill to 95%.