

TECHNICAL NOTE

■ MAC 10 Plenum Height Recommendation

Recommendation for Plenum Height for Air Intake for Mac 10 Fan Filter Units shallow plenums can allow filter loading differential pressure switches to trigger and miss read due to higher negative pressure.

The Mac 10 FFU's uses two different motors types, of which there are three motor heights. We need to take into consideration if the motor is being removed from the top of unit or the bottom of the unit (RSRE configuration)

■ Motor Removal

- » In general the heights of the motor/blower are 9-11" requiring enough room above the unit to remove the motor/blower wheel from above the unit.
- » Piping or any other obstructions above/around the Fan Filter Units that require motor removal must be taken into consideration as well

■ Plenum Space / Air Volume

- » You also must take into consideration how high you plenum is allowing enough circulation of air to reach the Fans.
- » Are they ducted or open plenum, is there enough cubic volume of air in the plenum with the required return air to feed the Fans? (This can be an issue if the plenum is too shallow and pressure differential switches are being used.)

Recommended Height: 12 inches to a minimum of 9 inches

Motor heights range from 7" with the PSC AC motors to 10.75" for the larger 4x4 assm