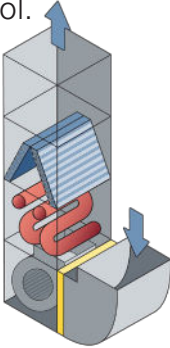
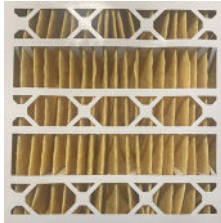


# Air Flow Method: Total External Static Pressure (TESP)

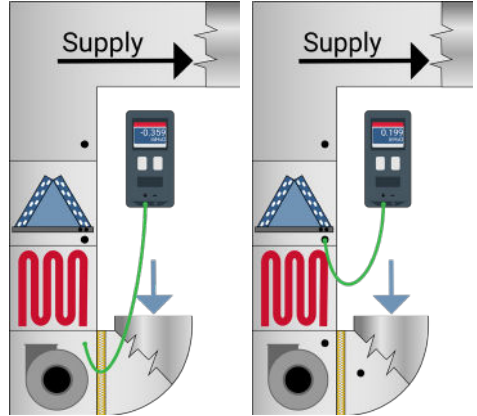
1. Operate fan in speed used for heat or cool.



2. Inspect to ensure all HVAC components are clean.



3. Take manufacturer recommended static pressure checks and combine readings.



$$ESP = P_{\text{exit}} - P_{\text{enter}}$$

$$ESP = 0.20 - (-0.36) = .20 + .36 = 0.56 \text{ inH}_2\text{O}$$

$$ESP = 0.56 \text{ inH}_2\text{O}$$

4. Compare static readings to (TESP) OEM chart.

FURNACE AIRFLOW (CFM) VS. EXTERNAL STATIC PRESSURE (IN. W.C.)										
MODEL	SPEED TAP	0.10	0.20	0.30	0.40	0.50	0.60	0.70	0.80	0.90
*UD040R924K	4 - HIGH - Black	1018	1004	982	950	910	860	802	763	660
	3 - MED-HIGH - Blue	847	832	809	779	742	697	644	585	517
	2 - MED-LOW - Yellow	716	701	676	646	610	585	512	452	384
	1 - LOW - Red	617	599	575	544	507	463	413	357	294