

TrueCLEAN™ Enhanced Air Cleaning Systems

Competitive Comparison



Honeywell

	PRODUCT					
FEATURES	Honeywell TrueCLEAN™	Honeywell F300	Aprilaire 5000	Trane CleanEffects™	Lennox Pure Air™	Carrier Infinity™
Efficiency (MERV Equivalent)*	MERV 15	MERV 12-15**	MERV 14	MERV 1-16**	MERV 16	MERV 15
Initial Pressure Drop	0.23" wc	0.14" wc (0.22" with filters)	0.18" wc	0.25" wc	0.23" wc	0.23" wc
Dust Loading Capacity	118 g/0.5" wc	120 g/0.16" wc	125 g/0.35" wc	120 g/0.33" wc	48 g/0.52" wc	118 g/0.5" wc
THE TAKEAWAY	Starts with good airflow and maintains high efficiency as it gets dirty.	Starts with good airflow and maintains good airflow while slightly losing efficiency as it gets dirty.	Starts with good airflow and maintains efficiency as it gets dirty.	Starts with good airflow and quickly drops in efficiency as it gets dirty.	Starts with good airflow and maintains high efficiency but requires frequent filter replacement.	Starts with good airflow and maintains high efficiency as it gets dirty.
Filter Maintenance	Replace Filter	Wash/Vacuum Filter	Replace Filter Assembly	Vacuum Filter	Replace Filter	Replace Filter
Replacement Filter Maintenance Frequency	Up to 1/year	Up to 2/year	Up to 1/year	Up to 4/year	Up to 1-3/year	Up to 1/year
THE TAKEAWAY	Easy maintenance and recurring revenue.	Easy maintenance but no recurring revenue.	Filter requires assembly. Recurring revenue.	Maintenance required multiple times per year. No recurring revenue.	Easy maintenance multiple times per year. Recurring revenue.	Easy maintenance and recurring revenue.
Three-Stage Advanced Filtration Process	Yes	No	No	No	No	Yes

THE HONEYWELL ADVANTAGE

TrueCLEAN optimizes high efficiency with long life to deliver the ultimate in performance while reducing callbacks.

Filter need to be changed every 6-12 months, creating a profitable recurring revenue stream for contractors.

1. Charge – all particles entering TrueCLEAN become evenly electrically charged
2. Capture – media filters capture particles and dirt is loaded 360 degrees around each fiber
3. Destroy – charging strips on the media filter continue to charge and deactivate particles at a rate exceeding 99%***

*Full Third Party ASHRAE testing performed at 492 FPM.

**Equivalent efficiency rating. MERV rating does not apply to non-media air cleaners.

***ASHRAE 52.2 test of 3.0 to 10.0 micron particles performed at 492 FPM. 99% deactivation rate of captured particles passing through the system only when air cleaner is powered and system fan is running. Testing performed at third party labs on certain virus and bacteria applied to filter disks and then exposed to an electric field. Tested virus show a reduction of virus numbers of greater than 99% by 8 hours of exposure. Tested bacteria show a reduction of bacteria numbers of greater than 99% by 24 hours. Organisms tested: human and avian influenza virus, human cold virus surrogate, and others. Test available upon request.

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