



**ENERGY-EFFICIENT**

Automatically adjusts exhaust based on demand

Improves kitchen air quality

Extends the life of your equipment



# TruFlow

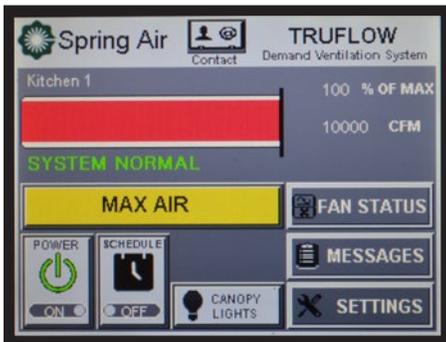
Demand Ventilation Controllers



**Spring Air**

Engineering Energy Savings

Food, labour and energy costs are generally the top variable expenses of any food service establishment. But cutting costs in the first two areas can negatively impact the dining experience. That leaves energy costs. It doesn't mean simply dimming the lights, but rather focusing on an area that consumes a surprising amount of energy costs – kitchen ventilation. In a typical commercial kitchen, the ventilation system operates between 12 to 18 hours daily, blowing a lot of wasted energy dollars through the roof each year.



## Maximize energy efficiency and achieve cost savings

The **TruFlow** demand ventilation controller is the cornerstone of our energy-efficient ventilation systems. Engineered and manufactured by Spring Air, it comes in models designed for different kitchen sizes, appliance line-ups, energy savings goals and budgets. The TruFlow constantly monitors and calibrates exhaust air to match appliances in use, enabling exhaust hoods and fans, volume dampers and supply air units to work perfectly in unison with one another while maximizing energy efficiency.

Feature	TruFlow Model		
	TFZ	TF	TC
Touch screen size	10" x 5.7" 254mm x 145mm	10"x5.7" 254mm x 145mm	3.5"x3.5" 89mm x 89mm
<b>EQUIPMENT CONTROLLED</b>			
Number of independent kitchens or zones	2	5	2
Number of hoods	12 6 per kitchen	60 12 per kitchen	24 12 per kitchen
Number of variable frequency drives	4	6	4
Thermal start	•	•	•
Programmable appliance sensitivity settings	•	•	•
<b>SUPPLY AIR</b>			
Supply speed reference for proportioning multiple units	•	•	•
Primary Modulation – rate of change of thermistor sensors – continuously variable	•	•	•
Auxiliary fans interlocked with supply volume	•	•	
Modulation range (% full capacity) – direct gas supply units	50-100	50-100	50-100
Modulation range (% full capacity) – indirect gas supply units	30-100	30-100	30-100
<b>EXHAUST AIR</b>			
Exhaust Scrubbing (Pollution Control) System compatible	•	•	•
ZoneFlow modulating exhaust damper compatible	•		
<b>ENERGY SAVINGS</b>			
Estimated annual energy savings vs. straight exhaust	45.0%	35.1%	35.1%
Real-time energy savings display	•	•	•
User-adjustable energy savings goal	•	•	
Auto-optimizing energy reduction goals	•	•	
<b>CONNECTIVITY</b>			
CAT-5 plenum rated connection	•	•	•
BMS Bacnet	•	•	•
BMS Lon, Modbus	•	•	
<b>OPTIONS</b>			
Infrared detection	•	•	
Optical capture sensor	•	•	
Internet accessible	•	•	
Email alert generator (TruFlow Talk)	•	•	
Special programming options	•	•	