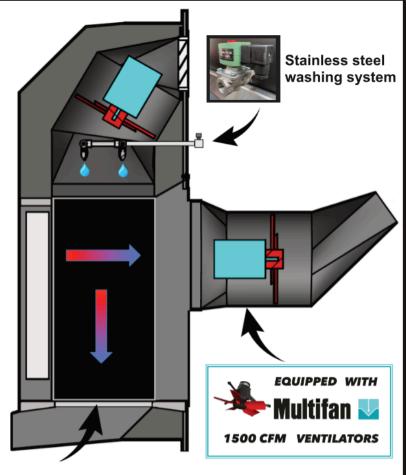


Avi35



Automated washing system





Easy cartridge maintenance





Up to 50% fuel savings

Lowers relative humidity

CO₂ and ammonia reduction

Improves litter and air quality

[&]quot;Lower energy consumption is only half of the benefits. Better air quality, dryer litter, basically healthier and consistent environment is a real plus."





Avi28 Controller



- · Can manage up to 5 heat exchangers
- programmed washing cycles
- Intelligent defrost logic
- heating, water meter, timer relays
- · 0-10 volt, humidity and temperature input signals
- Maximus and Genius controller compatible



Psychrometic output and efficiency of the Avi35

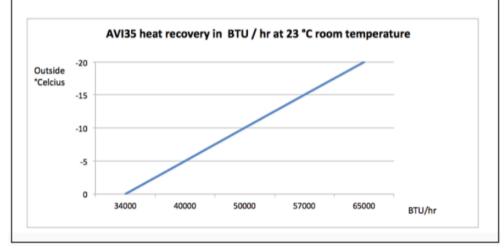
Min output 375 CFM Max output 1500 CFM Max sensible temperature recovery at 375 CFM 71%

Avi35 total heat flow in BTU/hr

1,88 x CFM x Δ°C

Temperature at 0°C s and 0 static pressure							
CFM output	375	525	750	1125	1500		
Sensible temperature transfer efficiency	71%	66%	61%	57%	55%		
Enthalpy transfer efficiency	41%	38%	35%	32%	30%		
Total heat flow BTU/hr	14535	18118	21960	29770	37143		

Total heat flow --- sensible + latent



Electrical specifications of the Avi35



Intake ventilator specifications Intake ventilator rotation max speed

240 Volts at 60 Hz , 1,9 amps 3200 RPM

Exhaust ventilator specifications Exhaust ventilator rotation max speed 240 Volts at 60 Hz , 1,9 amps

3200 RPM

Water valve

240 Volts at 60 Hz, 17 watts

AVI35 Heat exchanger core

Heat exchange surface area **Ventilation Type**

Cross flow

35 square meters

Material

polypropylene and aluminum





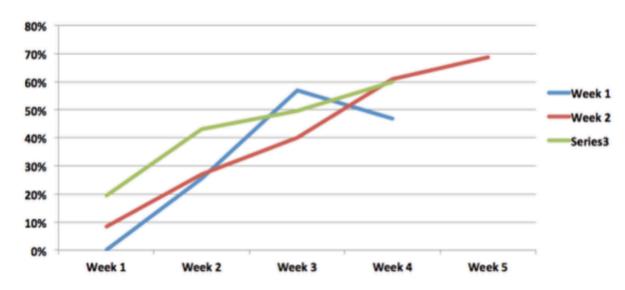
Broiler barn gas economy analysis

СТС	N	Winter 2019 Natural Gas Economie					
	1st Cycle	2nd Cycle	3rd Cycle	Weekly Average			
Week 1	NA	8%	19%	14%			
Week 2	25%	27%	43%	32%			
Week 3	57%	40%	50%	49%			
Week 4	47%	61%	60%	56%			
Week 5	70%	69%	NA	69%			
Cycle Average	55%	41%	43%	48%			

Échangeur-récupérateur pour poulailler Projet no : 421718

CTGN, Natural gas technology center, measured an average 48 % gas economy with broiler bar equipped with Avi35s.





After week 2, most of the energy required to heat the barn comes from the heat exchanger as oppose to heaters. This is when gas economy is most significant.