

Get A Lifetime Of Clean Air Savings From Micro Air!

New Intelli-Touch™ Energy Savings Control Panel can give you big savings on energy and filter replacement...and, it's only available from Micro Air.

The new Intelli-Touch control panel for use with Micro Air dust collection systems is truly a state-of-the-art system that enables the dust collector to continually operate at the designed CFM. By operating at the exact specifications your application requires, there is no wasted horsepower, compressed air, or energy. It also allows for the maximum possible filter life.

- Reduces energy consumption by using only the brake horsepower needed to maintain the set CFM. Built-in variable frequency drive automatically slows or speeds the motor RPM based on CFM needed at the running static pressure.
- Reduces peak energy consumption costs by utilizing a soft-start or slow ramp up of motor speed, eliminating sudden surges or spikes in power usage.
- Provides extra capacity to the blower, enabling it to run at up to 115% of normal speed.
- Increases expected filter life by automatically ramping up filter cleaning based on application / system needs.
- Can dramatically reduce compressed air usage.
- Allows for quieter operation through utilization of lower fan speeds.
- Automatically senses which units are operating in a multi-unit installation, providing only enough CFM for units in operation.
- Built-in progressive pulse on demand feature and static pressure monitoring system provides for extended filter life.
- Built-in Magnahelic and / or Photohelic Gauge eliminates the need to purchase separate gauges.
- Eliminates the need for external dampers or slide gates in ductwork. Simply touch the arrow on the touch-screen to adjust CFM.
- Built-In diagnostics feature tracks pertinent data such as CFM, Static Pressure, amp draw, RPM, pulse settings, hours of operation.
- Capability to plan ahead and upsize system in the future. Size system for 20 Hoods in the future, use only 10 today.
- Application specific (plasma, laser, wood-working, grinding, etc.) set-up feature reduces installation time and provides for system operation under ideal conditions 100% of the time.
- Qualifies for tax credits in some areas.



Investment Payback In As Little As Six Months Depending On Energy Costs And Application Usage.

Here's a typical example:

You select a system such as the RP8-2...

- 16 cartridge
- Operates at 20 horsepower
- 4,160 hours per year

With the optional Intelli-Touch control, you could save...

- Over \$2,423 per year on energy
- Over \$652 per year on filter replacement
- **TOTAL... almost \$3,075 per year in savings!**

Visit our website, www.microaironline.com and use the savings calculator to see how much you can save.

Intelli-Touch Is So Easy To Use.

The touch-screen controls feature online monitoring and tracking of all pertinent electrical and performance data related to the dust collection system. With a built-in variable frequency drive and PLC, the system airflow can be adjusted at the touch of the screen or can be set to run at a constant CFM, no matter what the system static pressure.



Efficient. Easy. RED.

CLEAN AIR SYSTEMS



BIGGER Than a Discount! BETTER Than a Rebate!

Intelli-Touch One-Touch Controls... Save \$\$ on Energy Costs / Extend Filter Life

TOUCH-SCREEN

- Touch-screen access to all features
- Analog static pressure gauge
- Digital static pressure gauge
- Digital CFM readout
- Easy access start/stop buttons
- Digital motor amp readout
- Digital motor frequency readout
- Digital motor RPM readout
- Digital motor horsepower
- utilization readout
- Acceleration/Deceleration tracking
- Digital pulse on-time display/adjustment
- Digital pulse off-time display/adjustment
- Digital after-pulse display/adjustment
- Multi-level access to features
- One-touch motor selection
- One-touch voltage selection
- Customized pulsing adjustments
- Multiple CFM/static monitor and adjustments modes
- On-line trouble shooting guide
- On-line drawing access
- On-line parts/part number access
- CFM fine tuning adjustments
- Integrated photohelic gauge w/integrated high/low set-points

PLC

- High precision pulse timing
- Long life solid state outputs
- Ladder logic programming
- Connection relays rated at 30M cycles

HIGHLIGHTS

- Advanced control panel permitting intuitive operation
- Patented swinging choke for superior harmonic reduction
- Integral EMC filter as standard
- Built-in Modbus and numerous internally mountable fieldbus adapters
- Control boards for harsh environments
- UT, eUT, C-Tiek and Gost-® approved

FREQUENCY DRIVE

- Two soft-keys that change according to the operator panel state
- Field upgradeable firmware
- Easy connection of cables
- New conduit box is suitable for US and Europe
- Optional plug-in fieldbus modules
- Reduced size and weight with patented swinging choke (R1-R4)
- Removable operator panel
- Only Class T fuses required for high speed short-circuit protection
- Smaller physical size of internal option slots
- Smaller physical size of 30, 75 and 100 hp, 480V drives
- Patented swinging choke provides substantially reduced harmonics, more inductance to the correct load and higher power factor
- Up to 23% less THD v. traditional DC choke
- Daily timer controls for time-of-day backoff e.g. start/stop process changes

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One-touch unit set-up



One-touch motor speed adjustment slider



One-touch application/pulsing set-up



Various diagnostic tools/displays