

Air Control Unit

Cost effective, robust, easy to use blower performance control

SolvAir

Instant Energy Savings

Our Air Control Unit (ACU) is an outdoor-rated, dust-tight and ready for washdown duty Variable Frequency Drive that provides a wide range of benefits. Simple to install and connect, our ACU delivers unmatched performance and instant energy savings.

Ideal for hygiene-based operations, such as food and beverage applications, our ACU is manufactured with a sealed ABS enclosure and corrosion-resistant coated heatsink, providing IP66 protection.

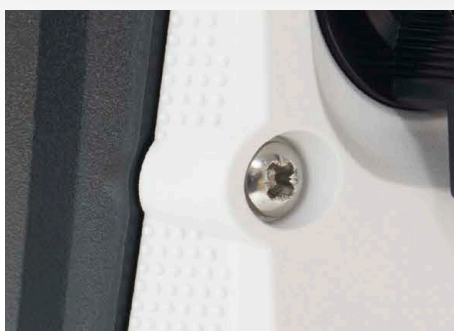
Designed to be paired with our full range of high-performance PX and Aria-Pak Blowers, our ACU provides easy and accurate blower control, enabling you to adjust performance to suit a wide range of applications.

- Variable performance control of blower output, including local speed potentiometer and run/off/forward switch.
- Works with our full range of high-performance PX Blowers from 1.5kW up to 15kW.
- Dust-tight design that protects your equipment from contaminants and dust.
- Outdoor-rated enclosed drives with IP66 protection, ideal for high-pressure applications.
- Washdown duty ready with a sealed ABS enclosure and corrosion resistant heatsink.



Simple Power Up

Precise motor control and energy savings. 14 basic parameters allow simple adjustment for your application, with up to 50 parameters available for adaptable performance and instant energy savings.



Dust-Tight Design

Environmentally protected, IP66 rated models can be mounted directly onto your existing processing equipment. With a dust-tight design you can be sure of protection from dust and contaminants.



Washdown Ready

Our ABS enclosure and corrosion resistant heatsink makes our Air Control Unit ideal for high-pressure washdown applications, as well as hygiene based operations such as with food and beverages.

For more information on our Air Control Unit or Engineered Air Solutions please contact us.



www.solvair.co.uk



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Ultimate Ease of Use

The Air Control Unit (ACU) comes with a range of control options - from a simple-to-use dial to optional remote keypads and RJ45 connections.

Local Speed
Potentiometer

Off / Run
Forward Switch

Lockable Mains
Disconnect / Isolator



Switched Models

Our ACU provides precise motor control and energy savings using factory settings. Simply wire up the drive, turn the inbuilt potentiometer and the motor will start running – allowing immediate energy savings.

Saving energy cannot be easier than this!



Technical Data

Frame Sizes	1		2		3			4
								
Part Number	PI00201	PI00202	PI00203	PI00204	PI002705	PI00276	PI00277	PI00278
Motor rating [kW]	0.75	1.5	2.2	4.0	5.5	7.5	11.0	15.0
Supply Voltage	380 - 480V ± 10%							
Supply Frequency	48-62 Hz							
Output Power	400V 3 Ph Input: 0.75–15kW							
Typical Efficiency	> 98%							
Size [LxWxH] mm	162 x 161 x 232		182x188x257		235 x 211 x 310			271 x 240 x 360
Weight [kg]	2.3		3.5		6.6			9.5
Temperature	Storage: −40 to 60°C • Operating: −20 to 50°C							
Humidity	95% Max, non condensing							
Vibration	Conforms to EN61800-5-1							
Ingress Protection	IP66							
Keypad	Built-in keypad as standard • Optional remote mountable keypad							
Display	7 Segment LED							
Low Voltage Directive	Adjustable speed electrical power drive systems • EMC requirements							
EMC Directive	2014/30/EU • Cat CI according to EN61800-3:2004							
Machinery Directive	2006/42/EC							
Conformance	CE, UL, RCM							