



## A300 FOUP

*Front opening unified pod platform  
with superior microenvironment control*

## Overview

The A300 FOUP provides clean and secure wafer transport, optimum automation integration and low cost of ownership for your facility.

## Features

### Technology-enabling

- Unsurpassed cleanability and dryability
- Effective grounding of the wafers through the door latch, conveyor plate and top handle
- ESD shell option for added wafer protection
- Advanced purge options
  - Front/rear purge option available
- Optimized FOUP materials for wafer contact and microenvironment control

### Interoperability

- Industry-proven door for equipment interoperability and long life
- Accurate equipment interfaces
  - Top robotic flange
  - Bottom kinematic coupling
  - Wafer plane
  - Meets all applicable SEMI® standards

## Materials of Construction

- Ultrapure polycarbonate or barrier material used in the FOUP shell, door housing and door panels
- Carbon-filled PC or barrier material used in wafer contact areas in the shell, door housing and door components
- Thermoplastic elastomer (TPE) or polybutylene terephthalate (PBT) material used in the critical door seal
- Flame-retardant material option available
- Humidity control barrier materials available to enable leading-edge wafer processing technology



## Configuration Options and Accessories

### Shell and Door Color Options

- Red, green, amber, clear and black (ESD shell only)

### Segregation Options

- Info pads configurable by customer

### Identification Options

- Bar code and alphanumeric character labels
- Color handle
- Cardholders
- RFID tags with read/write capability

## Specifications

Dimensions:	Width	426 mm (16.8")
	Depth	355 mm (14.0")
	Height	338 mm (13.3")
Weight:	Empty	5.4 kg (11.82 lb)
	With wafers	8.2 kg (18.08 lb)
Wafer spacing:	10 mm (0.39")	
Capacity:	25 wafers	

## Ordering Information

Part Number	Description
APFAA3A-PPBWS-WN1	A300, PC standard, amber
APFCA3W-PPBPWS-WN1	A300, PC standard, clear
APFGA3G-PPBPWS-WN1	A300, PC standard, green
APFRA3R-PPBPWS-WN1	A300, PC standard, red

## For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [www.entegris.com](http://www.entegris.com) and select the Customer Service link for the center nearest you.

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