



## F300 AUTOPOD® WAFER CARRIER

*Clean, secure wafer transport and optimum automation integration*

### Overview

The F300 AutoPod® wafer carrier is a 25-capacity, 300 mm front opening unified pod (FOUP) that provides clean and secure wafer transport, and optimum automation integration for your facility.

### Features

- Environmental isolation for next generation devices
- SEMI® standards compliant
- UV filtering (to 500 nm) polycarbonate housing
- Static dissipative STAT-PRO® 3000 carbon fiber filled PEEK™ in areas requiring a path to ground
- Robust wafer retainer ensures repeatable wafer positioning and minimizes particle generation
- Metal-free assembly prevents metallic contamination
- Precise 10 mm wafer spacing with accurate and reliable wafer plane
- Dimensionally stable integral cassette
- Door mechanism reliability exceeding 161,000 cycles
- Maximized water cleaning capability and minimized dry time for reduced downtime
- Kinematic coupling plate
- Configurable A, B, C or D info pads for product segregation
- FIMS compatible
- Auto return door mechanism to keep latch key holes at 0° or 90° to improve equipment interoperability



### Specifications

Overall size:	Depth	344 mm (13.5")
	Width	430 mm (16.9") handle to handle
	Height	332 mm (13.1")
Wafer spacing:	10 mm	
Weight:	Without wafers	4.5 Kg (10 lb)
	With wafers	7.69 Kg (17 lb)

### Material Description

Entegris' STAT-PRO 3000 material is an advanced, static dissipative blend of polyetheretherketone (PEEK polymer) and carbon fiber. Used in the wafer supports and robotic lifting flange, this material offers:

- Static protection
- Low particle generation
- Abrasion resistance
- Dimensional stability
- Temperature limit: wafer insertion – 240°C

Entegris' UV polycarbonate material is a blend of polycarbonate and a UV filtration additive. Used in the housing and door, this material offers:

- Low inorganics
- Low particle generation
- Low outgassing
- Dimensional stability
- UV filtering to 500 nm (except clear)
- Proven material of construction

## Configuration Options and Accessories

### Color Options

- 4 colors for shell and door housing: orange, green, red and clear
- 4 handle colors: black, red, yellow, green
- 2 card holders: white and black

### Configuration Options

- 20° and 60° side handles available
- AGV rails
- Standard filter or inert gas purge configuration

### Segregation Options

- Configurable info pads (positions A, B, C & D)

### Identification Options

- Bar code and alphanumeric character labels
- Laser marked serial number
- RF identification tags with read/write capability
- Card holder (holds 2 sizes)
- Credit card size (ID-1): 86 mm × 54 mm (3.38" × 2.13")
- Larger card size: 102 mm × 70 mm (4" × 2.75")

## Ordering Information

Part Number	Description
PPFAC2A-P2BWSN-NNN	F300, standard – amber
PPFCC2C-P2BWSN-NNN	F300, standard – clear
PPFGC2G-P2BWSN-NNN	F300, standard – green
PPFRC2R-P2BWSN-NNN	F300, standard – red

### Each FOUP configuration includes the following:

- Polycarbonate shell and door housing
- Matching shell and door colors
- Blank RFID pill installed
- Black 20° handles
- Infopad kit (quantity 4)
- Filter assembly

### Accessories

Part Number	Description
01-006103	Assembly, breather filter cartridge
01-020930S	Assembly, purge inlet
01-020931S	Assembly, purge outlet
01-014182S	Gasket, Gen 2 door
01-009868	Info pad, removable kit (20 units)
01-024465S	License plate, Snap-on (white)
01-009865	FOUP, filter removal tool
01-009886-46C02	Key, FIMS door – Entegris logo style
100018AAA	Key, FIMS door – pineapple style

## 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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