

A300 FOUPs

*Front opening unified pod platform
with super microenvironment control*

Our A300 FOUP (front opening unified pod) is an environmental wafer isolation pod that provides superior protection from contamination. It is designed for automated or manual handling of 300 mm wafers. Integral wafer supports allow precise wafer plane performance and reliable wafer access. An optional, robust ESD shell provides added wafer protection in applications prone to electrostatic charge accumulation.

We offer 25-capacity FOUPs for standard wafer processing and a 13-capacity format that is optimized for special applications including bonded and thin wafers. All configurations are easy to clean and maintain, provide proven long-term reliability, and are fully SEMI compliant.



A300 FOUPs are available for thin, standard (shown), and thick 300 mm wafers

APPLICATIONS

- Front opening unified pod platform that provides clean and secure 300 mm transport and handling

FEATURES & BENEFITS

25- or 13-capacity designs	Provide versatility in thin, standard, or thick wafer processing applications
Optimized materials, such as Entegris moisture barrier (EBM)	Provide wafer contact and microenvironment control, enabling leading-edge wafer processing technology
Optional ESD shell	Offers added wafer protection in environments prone to electrostatic charge accumulation
Industry-proven door	Provide equipment interoperability and long life
Integral wafer supports	Allow excellent wafer plane performance and reliable wafer access
Advanced purge options available	Accommodate process requirements such as maximum gas dispersion or front/rear purge

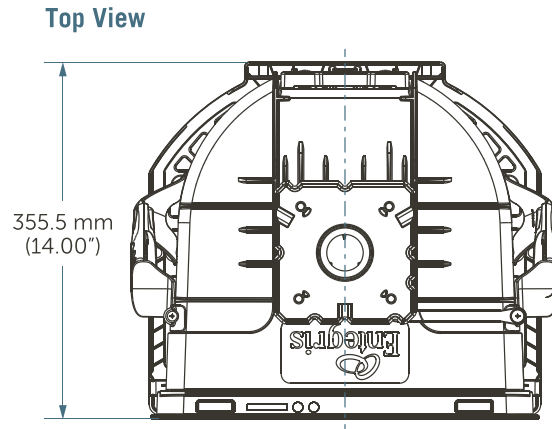
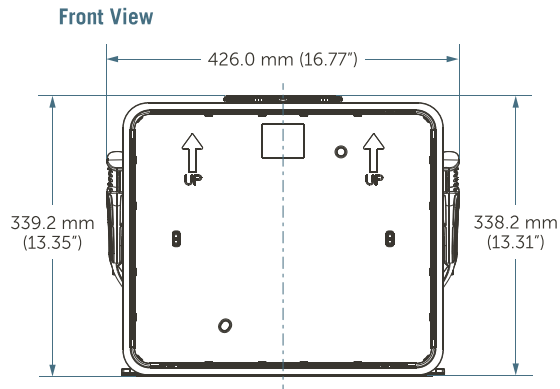
SPECIFICATIONS

		25 Capacity	13 Capacity
Materials of construction	Shell, door housing, door panels	Ultrapure polycarbonate (PC), carbon-filled barrier material	Carbon-filled barrier material
	Wafer supports and contact areas (shell, door housing, door components)	Carbon-filled PC, carbon-filled barrier material	Carbon-filled barrier material
	Door seal	Thermoplastic elastomer	
Dimensions	Width	426 mm (16.8")	
	Depth	355 mm (14.0")	
	Height	338 mm (13.3")	
Weight	Empty	5.4 kg (11.82 lb)	<6 kg (13.23")
	With wafers	8.2 kg (18.18 lb)	Depends on wafer thickness
Wafer spacing		10 mm (0.39")	20 mm (0.78")

Configuration Options

	25 Capacity	13 Capacity
Shell and door colors options	Amber, blue, clear, green, red, black (ESD shell only)	PC clear, EBM black
Purge options	Front/rear standard purge Rear advanced diffuser	Front/rear standard purge
Segregation options	Configurable info pads	Configurable info pads
Identification options	Colored handles - amber, black, blue, green, red, white, yellow Colored cardholders - amber, green, white Bar code and alphanumeric character labels RFID tags with read/write capability	

DIMENSIONS



FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit entegris.com and select the [Contact Us](#) link to find the customer service center nearest you.

TERMS AND CONDITIONS OF SALE

All purchases are subject to Entegris' Terms and Conditions of Sale. To view and print this information, visit entegris.com and select the [Terms & Conditions](#) link in the footer.



Corporate Headquarters
129 Concord
Billerica, MA 01821
USA

Customer Service
Tel +1 952 556 4181
Fax +1 952 556 8022
Toll Free 800 394 4083

Entegris®, the Entegris Rings Design®, and other product names are trademarks of Entegris, Inc. as listed on entegris.com/trademarks. All third-party product names, logos, and company names are trademarks or registered trademarks of their respective owners. Use of them does not imply any affiliation, sponsorship, or endorsement by the trademark owner.