



SPECTRA™ FOUP

*Front opening unified pod platform
with superior microenvironment control*

Overview

The Spectra™ 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
 - Purge-diffusing snorkels for optimum purge gas dispersion
- Optimized FOUP materials for wafer contact and microenvironment control

Interoperability

- Industry-proven door for equipment interoperability and long life
- Wafer supports integral with shell to give excellent wafer plane performance and reliable wafer access
- Accurate equipment interfaces
 - Top robotic flange
 - Bottom kinematic coupling
 - Meets all applicable SEMI® standards



Specifications

Dimensions:	Width	416 mm (16.4")
	Depth	333 mm (13.1")
	Height	335 mm (13.2")
Weight:	Empty	4.2 kg (9.26 lb)
	with wafers	7.3 kg (16.09 lb)
Wafer spacing:	10 mm (0.39")	
Capacity:	25 wafers	

Materials of Construction

- Ultrapure polycarbonate or barrier material used in the FOUP shell, door housing and door panels
- Carbon-filled PEEK or barrier material used in wafer contact areas in the shell, door housing and door components
- Thermoplastic elastomer (TPE) 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:

- Amber, red, green, clear and black (ESD shell only)

Segregation Options:

- Info pads configurable by customer

Identification Options:

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

Ordering Information

Part Number	Description
SSFAANF-ANJRK-NNN	Small footprint, black, amber window
SPFAAN-ANSKR-NNN	Full footprint, amber, no window
SPFCCN-ANSRK-NNN	Full footprint, clear, no window
SPFGGN-ANSRK-NNN	Full footprint, green, no window
SPFRRN-ANSRK-NNN	Full footprint, red, no window

For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit www.entegris.com and select the Customer Service link for the center nearest you.

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