

# BrightPak® Thread-on Connector

*BrightPak advanced containment and dispense system for safe, efficient delivery of critical materials*

The BrightPak® containment dispense system is an innovative packaging solution representing Entegris' next generation liquid packaging containment, storage and delivery system. BrightPak thread-on connectors are specifically designed to be used with the BrightPak bottle system. Used together they offer safe operation with a shatterproof, UV resistant overpack with options for direct pressure, and indirect pressure with or without headspace.

## APPLICATIONS

- BrightPak systems offer liquid material handling for the semiconductor, flat panel display, solar and LED markets. Other applications include coatings and processing of adhesives.



*From left to right, three BrightPak thread-on connector options: direct pressure, indirect pressure and indirect pressure with zero headspace.*

## FEATURES & BENEFITS

- Enabling for photolithography technology
- Lower cost per liter dispensed
- Minimal risk of misprocessing
- Significant safety enhancement

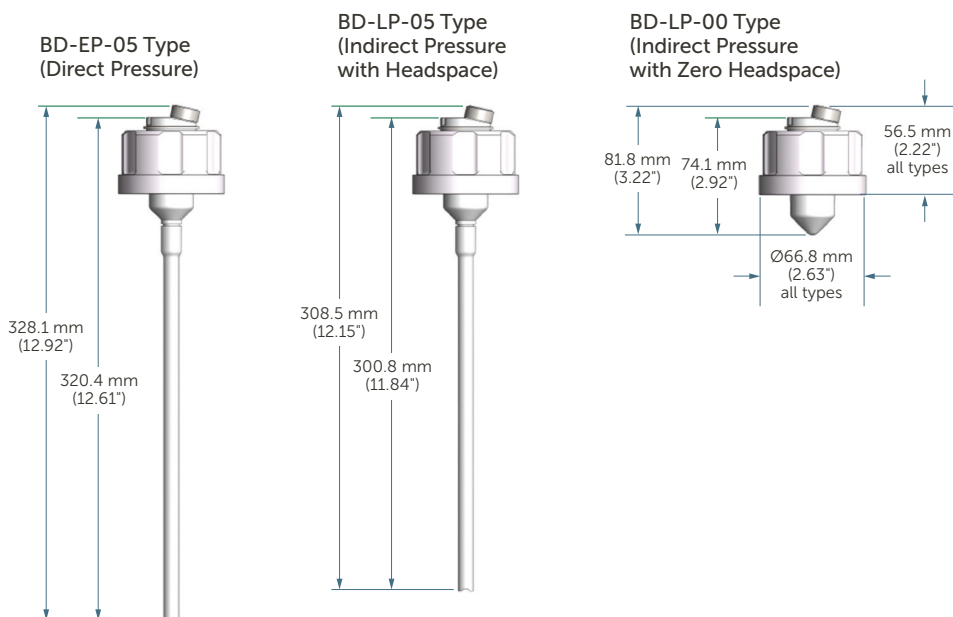
## SPECIFICATIONS

<b>Materials of construction</b>	Wetted parts	Probe	PTFE, natural
		Downtube	FEP
		Liquid connection fittings	PFA, natural
		Probe o-ring seals	Chemraz®, black
	Nonwetted parts	Connector body	Polypropylene, natural
		Gas inlet fitting	Polypropylene
		Gas secondary seal	Chemraz, black
<b>Liquid outlet*</b>	1/4" Pillar® elbow	1/4" PrimeLock straight	
	1/4" Pillar straight	3/8" Pillar elbow	
	1/4" Flowell™ elbow	3/8" Pillar straight	
	1/4" Flowell straight	3/8" Flowell elbow	
	1/4" Flaretek® elbow	3/8" Flowell straight	
	1/4" Flaretek straight	3/8" Flaretek elbow	
	1/4" PrimeLock® elbow	3/8" Flaretek straight	
<b>Gas inlet*</b>	1/4" elbow		
	1/4" straight		
<b>Torque requirements</b>	Hand torque (approximately 25 in•lb)		
<b>Manufacturing standards</b>	Fabricated and tested in a Class 5 cleanroom per international Standard ISO 14644-1:1999 Cleanrooms and associated controlled environments – Part 1: Classification of air cleanliness.		
<b>Cleanliness</b>	Connector to be free from lubricants and other foreign materials consistent with Entegris processes and procedures.		
<b>Weight**</b>	<b>PART NUMBER</b>	<b>WEIGHT</b>	
	BD-EP-05-XXX	0.194 kg (0.43 lb)	
	BD-LP-05-XXX	0.190 kg (0.42 lb)	
	BD-LP-00-XXX	0.180 kg (0.40 lb)	

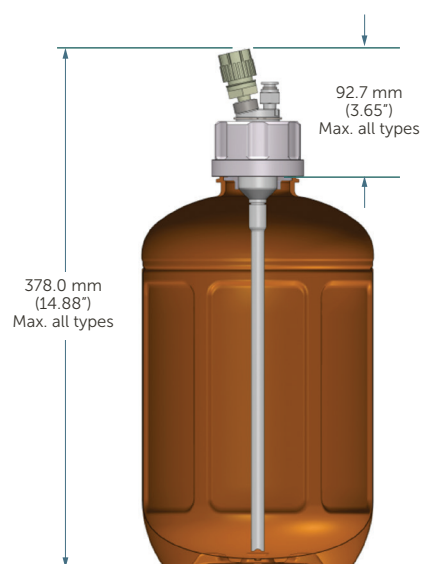
\*See page 4 for connector options and ordering information.

\*\*Weights shown are for the connector with the 1/4" Pillar elbow liquid out fitting.

## DIMENSIONS



**BrightPak Bottle with Connector and Diptube (Maximum Height including Fitting)**



Item	Dimensions
Connector body height without fitting or diptube	56.5 mm (2.22")
Connector body outer diameter	66.8 mm (2.63")
Connector with diptube height excluding fitting	
BD-EP-05 type – direct pressure	328.1 mm (12.92")
BD-LP-05 type – indirect pressure with headspace	308.5 mm (12.15")
BD-LP-00 type – indirect pressure with zero headspace	81.8 mm (3.22")
BrightPak bottle with connector and diptube, maximum height including fitting	378.0 mm (14.88")

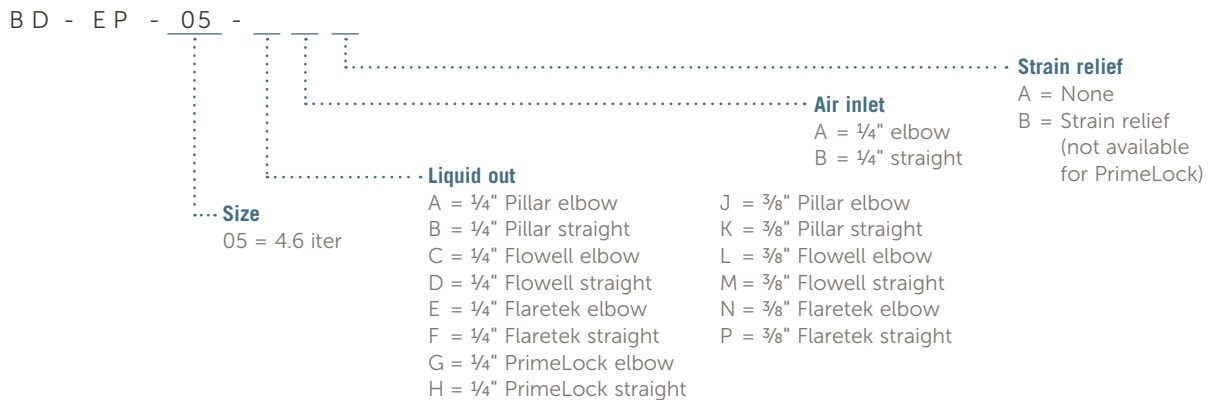
## SHIPPING INFORMATION

Item	Description
Labeling	Each connector exterior cleanroom bag is labeled with the part number and batch number for traceability. Each corrugated shipping carton is labeled with the part number, description, batch number and quantity.
Packaging	Each connector is double-bagged (heat-sealed, cleanroom processed, PE inner bag, heat-sealed, PE outer bag). The double-bagged connector is then wrapped with shrink wrap onto a flat cardboard backing sheet, wrapped with bubble wrap and packaged in a corrugated shipping carton.

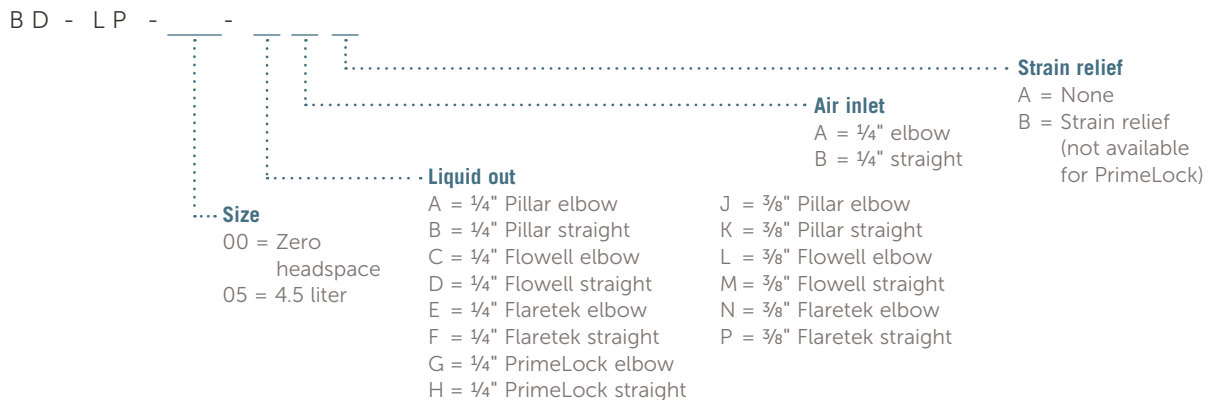
Part number	Box quantity (minimum order quantity)	Box dimensions
BD-EP-05-XXX	1	463.6 mm L x 139.7 mm W x 142.9 mm H (18.25" L x 5.5" W x 5.63" H)
BD-LP-05-XXX	1	463.6 mm L x 139.7 mm W x 142.9 mm H (18.25" L x 5.5" W x 5.63" H)
BD-LP-00-XXX	1	15.24 mm L x 17.78 mm W x 15.24 mm H (6" L x 7" W x 6" H)

## ORDERING INFORMATION

Thread-on Connector, Direct Pressure: part number



Thread-on Connector, Indirect Pressure with Headspace or Zero Headspace: part number



#### LIMITED WARRANTY

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