

BrightPak[®] Containment and Dispense System

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

The BrightPak[®] containment and dispense system is an innovative packaging solution representing Entegris' next generation liquid packaging containment, storage and delivery system. BrightPak systems offer safe operation with a shatterproof, UV-resistant overpack and a design that maximizes chemical utilization. The 4.5 liter capacity is superior to that of a standard glass bottle. The BrightPak system is designed for pump delivery, direct pressure and indirect pressure delivery applications.



Top to bottom: BrightPak with ErgoNOW[™] connector, BrightPak with thread-on connector, BrightPak with clear shipping cap

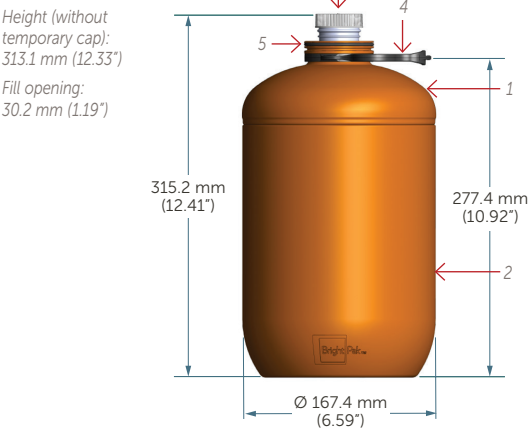
APPLICATIONS

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

FEATURES & BENEFITS

- Photolithography defect reduction capability
- Minimal risk of misprocessing
- Lower cost per liter dispensed
- Significant safety enhancement
- Increased fill volume vs. 1-gallon glass bottle

DIMENSIONS



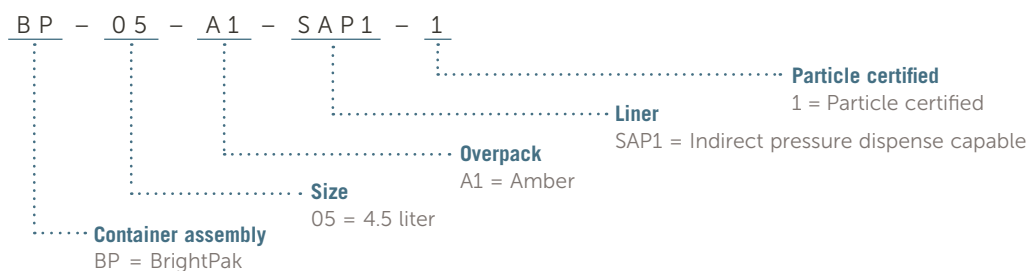
| Item | Description | Quantity |
|------|---------------|----------|
| 1 | Bottle | 1 |
| 2 | Base cup | 1 |
| 3 | Temporary cap | 1 |
| 4 | Handle | 1 |
| 5 | O-ring | 1 |

SPECIFICATIONS

| | | |
|-------------------------------------|---|---|
| Materials of construction | Liner | Proprietary polymer |
| | Overpack | PET |
| | Handle | LDPE |
| | O-ring | FKM |
| | Base cup | PET |
| | Temporary cap | PP |
| Rated capacity | 4.7 liter overflow volume. DO NOT overfill. Considering the volume of the probe, fill only to the volume needed to allow for temperature-related expansion of chemical during storage and shipping. | |
| Empty weight | With temporary cap: 282 g (0.62 lb) | |
| | Without temporary cap: 278 g (0.61 lb) | |
| UV protection | Less than 0.1% light transmittance at 190–425 nm wavelength | |
| Thread | GL38 thread (7 TPI) | |
| Dispense pressure rating | 103.4 kPa (1.055 kg-f/cm ² , 1.034 bar, 15 psig) maximum operating pressure | |
| Application torque | BC-K1 chemical cap: 6.78 – 7.34 N•m (69.1–74.9 kfg-cm, 60–65 in•lb) | |
| | BSCG-XX-YY-ZZ BrightPak SmartCap™: 9.09–9.60 N•m (92.2–97.9 kfg-cm, 80–85 in•lb) | |
| Manufacturing standards | Fabricated and tested in a Class 5 Cleanroom as per International Standard ISO 14644-1:1999 Cleanrooms and associated controlled environments – Part 1: Classification of air cleanliness. | |
| Cleanliness | Maximum particle count 10/mL at ≥0.10 µm in DI water. A Certificate of Analysis stating lot specific particle count data is available for each shipment. | |
| Overpack cosmetic appearance | Free from stringers, voids, flash, burrs and embedded foreign material. Streaks, scratches, smudges, gel marks, mold marks and other molding process abnormalities which do not affect product functionality are allowed. Inspection performed to Entegris standards when viewing with the naked eye (1X) under normal lighting conditions. | |
| Labeling | A barcode label showing the material number, batch number, and assembly sequence number is applied to the bottom surface of the overpack. The outer shipping box is labeled with the material number, product description, batch number, quantity and date of manufacture. | |
| Packaging | BrightPak assemblies are capped with a temporary cap. Each bottle is individually cleanroom bagged and heat sealed in a polyethylene bag. Ten bagged bottles are placed into a corrugated fiberboard box lined with a polyethylene bag and closed with a cable tie. | |
| Shipping information | Box quantity (minimum order quantity) | 10 |
| | Skid quantity (economic order quantity) | 200 (20 boxes of 10) |
| | Box dimensions | 683 mm L x 355 mm W x 343 mm H (26.9" L x 14" W x 13.5" H) |
| | Filled weight of box | 4.94 kg |
| Shipping temperature ranges: | Empty BrightPak container assemblies can be shipped between -20° and 40°C. Chemically filled BrightPak container assemblies can be shipped between -25° and 55°C or applicable UNDOT regulations, whichever is less. | |
| Chemical compatibility | Due to the vast number of application variables and possible uses, it is impossible to predict the suitability of the product for all uses. The customer is responsible for performing adequate experimentation to determine the suitability of the product for the intended application. | |

ORDERING INFORMATION

BrightPak Container Assembly: part number



BrightPak Accessories

| Part number | Description |
|-------------|--------------------------------------|
| BC-K1-10 | Standard closure (pack of 10) |
| BA-01 | Torque adapter for standard closure |
| BA-03 | Standard closure removal tool |
| BA-02-05-1 | UNDOT shipping box – holds 1 bottle |
| BA-02-05-4 | UNDOT shipping box – holds 4 bottles |

LIMITED WARRANTY

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Corporate Headquarters
129 Concord Road
Billerica, MA 01821
USA

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

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