

Spray Dispense



Driven by advances in decreasing feature sizes, spray dispense has risen as a highly effective and versatile development and cleaning method. Compared to emersion and puddle methods, spray dispense increases throughput and yield for today's advanced processes.

Serving the Semiconductor Industry Since 1987

SPECIFICATIONS

- Viscosity range: 1-100cps
- Max fluid pressure: 29psi
- Max flow rate: 0.65lpm
- Tubing OD: 1/4"
- Valve Size: 1/4"
- Manual adjustment of pressure, rate, and timing (~0.1 second)
- Reservoir sizes: 1 gallon to 10 gallons

*Common materials include TMAH, NMP, DMSO, MIF developers, DI water, and solvents such as IPA, Acetone, PGMEA

DESIGN

- Fluid path consists of PFA, PTFE, and 304/316 stainless steel (fully passivated)
- PFA closure o-rings
- PTFE empty sensor
- Integrated manual vent valve
- Oversized opening for easy filling
- PTFE dispense valve with flow rate and suckback adjustment
- Multi-axis adjustability to optimize the coverage area
- Flat spray provides uniform coverage of the substrate
- Optional PFA coating

COMPONENTS

- Pressure canister w/ fittings and empty sensor
- Dispense valve with 12" of PFA tubing (fluid output)
- Flat spray nozzles and fixtures (includes 110° and 40°)
- 6ft (2m) of 1/8" green poly tubing (N2 source)
- 6ft (2m) of 1/8" clear poly tubing (valve trigger)
- 6ft (2m) of 1/4" PFA tubing (fluid source)

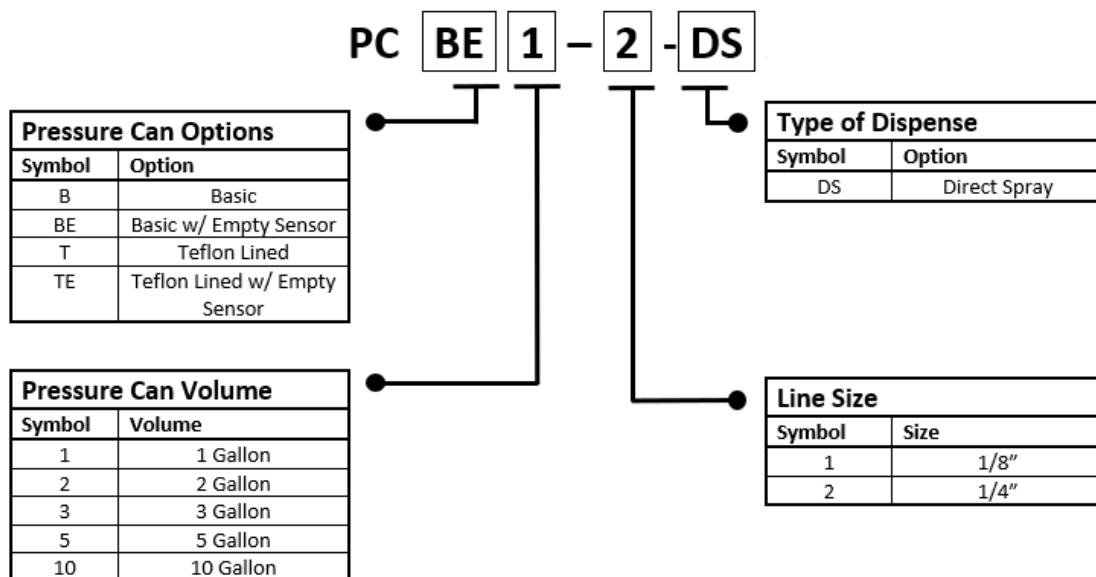
*Dispense control box required, sold separately



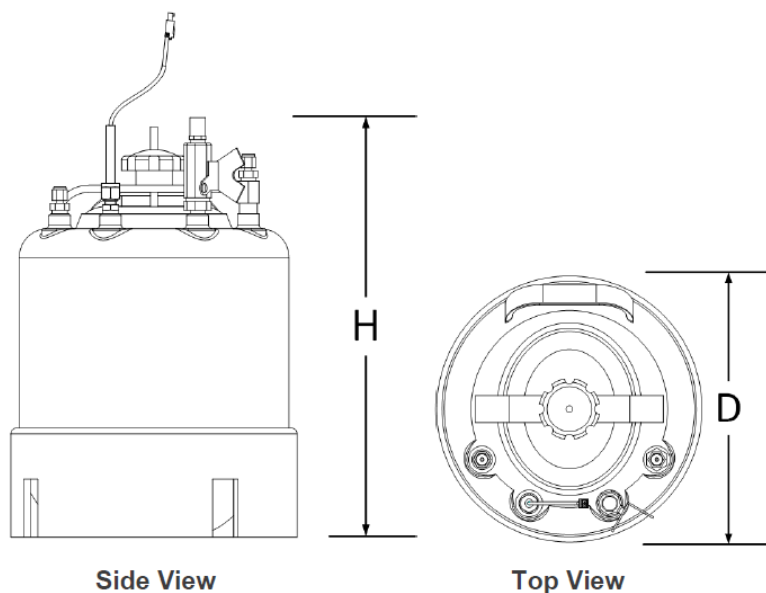
RELIABILITY

- Industry leading uptime
- 1-year full warranty on parts and labor
- Complimentary remote technical support for the life of the product
- Application process assistance for the life of the product

PRESSURE CAN CONFIGURATION



DIMENSIONS



Size	Height (H)	Diameter (D)
1 Gallon	11.5 in (29.2 cm)*	10 in (25.4 cm)
2 Gallon	14.5 in (36.8 cm)*	10 in (25.4 cm)
3 Gallon	18 in (45.7 cm)*	10 in (25.4 cm)
5 Gallon	25 in (63.5 cm)*	10 in (25.4 cm)
10 Gallon	28 in (71.1 cm)*	13 in (33.0 cm)

*Add at least 12 in (30.5 cm) to the height to access the lid and top components

© 2024 Cost Effective Equipment, LLC.

All statements, technical information, and recommendations contained herein are based on tests we believe to be accurate, but the accuracy or completeness thereof is not guaranteed and the following is made in lieu of warranty expressed or implied. Neither the seller nor the manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising from the use or inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith. No statement or recommendation contained herein shall have any force or effect unless in an agreement signed by officers of the seller and manufacturer.

Effective Date: 1/30/2024 Rev A